COMMITTENTE:

RFI RETE FERROVIARIA ITALIANA
GRUPPO FERROVIE DELLO STATO ITALIANE

ALTA SORVEGLIANZA:

ITALFERR
GRUPPO FERROVIE DELLO STATO ITALIANE

GENERAL CONTRACTOR:

Cepav due

INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

LINEA A.V. /A.C. TORINO – VENEZIA Tratta MILANO – VERONA
Lotto funzionale Brescia-Verona

PROGETTO ESECUTIVO

GA27 - GALLERIA ARTIFICIALE BRESCIA EST

DA PK 105+814 A PK 106+304

OPERE DI SOSTEGNO DEGLI SCAVI – TABULATI DI CALCOLO

GENERAL CONTRACTOR	DIRETTORE LAVORI
Consorzio Cepav due Data: _____	Data: _____

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC	OPERA/DISCIPLINA	PROGR	REV
I N 0 R	1 2	E	E 2	C L	G A 2 7 0 1	0 0 2	A

PROGETTAZIONE								IL PROGETTISTA
Rev.	Descrizione	Redatto	Data	Verificato	Data	Progettista Integratore	Data	
A	Emissione	Mariani	19/07/19	C.Beltrami	19/07/19	Liani	19/07/19	Dott. Ing. Carlo M.A. BELTRAMI Ordine Ingegneri Milano n. A21004
B								
C								Data:_19/07/19___

CIG. 751447334A File: IN0R12EE2CLGA2701002A_10.docx

Progetto cofinanziato dalla Unione Europea

CUP: F81H91000000008

INDICE

1. SEZIONE 1 – PARATIA DI PALI

1.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:lunedì 29 luglio 2019 17:58:37
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
 WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0

 * 6.3: Strips
 STRIP LeftWall_32 2 6 0 40 0 15.2 45
 STRIP LeftWall_32 2 6 0 40 0 10 30

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
```

```
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage4_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage5_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
SURCHARGE 10 0 0 -9
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage6_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -12.6
SURCHARGE 0 0 0 0
WATER -26 0 -18 0 0
ENDSTEP
```

1.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ********************************************************
                  *                                                      *
                  *  PARATIE PLUS Non-Linear Spring Engine               *
                  *                                                      *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                  *                                                      *
                  *          Written by Ce.A.S. s.r.l. (ITALY)           *
                  *          with the scientific supervision of          *
                  *          Roberto Nova - full professor SOIL MECHANICS*
                  *          at Politecnico di Milano (ITALY)            *
                  *                                                      *
```

```
                ********************************************************
                *                                                      *
                *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                *                                                      *
                *                                                      *
                *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE    *
                *              VIALE   GIUSTINIANO 10                  *
                *              20129   M I L A N O  (ITALIA)           *
                *  TEL.        +39 02 2020221   (+39 035 23 67 19)     *
                *  FAX         +39 02 29512533  (+39 035 42285 49)     *
                *  email       bruno.becci@ceas.it                     *
                *  Web Page    www.ceas.it                             *
                ********************************************************



 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                         >
ACCEPTED   <PARAM ITEMAX 100                                           >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                              >



                ********************************************************
                *                                                      *
                *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                *    BY THE PROGRAM.                                   *
                ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]

+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                   Exe Time :29 July 2019      17:58:38                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    6
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................  102
NO. OF LONG NAMES (LASTNAME) ..................   24
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :29 July 2019      17:58:38                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S    102

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0
   30 : STRIP LeftWall_32 2 6 0 40 0 15.2 45
   31 : STRIP LeftWall_32 2 6 0 40 0 10 30
   32 : STEP Stage1_31
   33 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   37 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   38 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   44 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   47 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   48 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   49 : SETWALL LeftWall_32
   50 : GEOM 0 0
   51 : WATER -26 0 -18 0 0
   52 : ADD WallElement_33
   53 : ENDSTEP
   54 : STEP Stage2_158
   55 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   58 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   59 : SETWALL LeftWall_32
   60 : GEOM 0 -3.5
   61 : WATER -26 0 -18 0 0
   62 : ENDSTEP
   63 : STEP Stage3_617
   64 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   67 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   68 : SETWALL LeftWall_32
   69 : GEOM 0 -3.5
   70 : WATER -26 0 -18 0 0
   71 : ADD Tirante1_429
   72 : ENDSTEP
```

```
  73 : STEP Stage4_714
  74 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  75 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  76 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  77 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  78 : SETWALL LeftWall_32
  79 : GEOM 0 -8.7
  80 : WATER -26 0 -18 0 0
  81 : ENDSTEP
  82 : STEP Stage5_1682
  83 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  86 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  87 : SETWALL LeftWall_32
  88 : GEOM 0 -8.7
  89 : SURCHARGE 10 0 0 -9
  90 : WATER -26 0 -18 0 0
  91 : ADD Tirante2_1507
  92 : ENDSTEP
  93 : STEP Stage6_1779
  94 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  95 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  96 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  97 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  98 : SETWALL LeftWall_32
  99 : GEOM 0 -12.6
 100 : SURCHARGE 0 0 0 0
 101 : WATER -26 0 -18 0 0
 102 : ENDSTEP
```

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/ 2	0.0000	-0.20000	/ 3	0.0000	-0.40000	/ 4	0.0000	-0.60000	/
5	0.0000	-0.80000	/ 6	0.0000	-1.0000	/ 7	0.0000	-1.2000	/ 8	0.0000	-1.4000	/
9	0.0000	-1.6000	/ 10	0.0000	-1.8000	/ 11	0.0000	-2.0000	/ 12	0.0000	-2.2000	/
13	0.0000	-2.4000	/ 14	0.0000	-2.6000	/ 15	0.0000	-2.8000	/ 16	0.0000	-3.0000	/
17	0.0000	-3.2000	/ 18	0.0000	-3.4000	/ 19	0.0000	-3.6000	/ 20	0.0000	-3.8000	/
21	0.0000	-4.0000	/ 22	0.0000	-4.2000	/ 23	0.0000	-4.4000	/ 24	0.0000	-4.6000	/
25	0.0000	-4.8000	/ 26	0.0000	-5.0000	/ 27	0.0000	-5.2000	/ 28	0.0000	-5.4000	/
29	0.0000	-5.6000	/ 30	0.0000	-5.8000	/ 31	0.0000	-6.0000	/ 32	0.0000	-6.2000	/
33	0.0000	-6.4000	/ 34	0.0000	-6.6000	/ 35	0.0000	-6.8000	/ 36	0.0000	-7.0000	/
37	0.0000	-7.2000	/ 38	0.0000	-7.4000	/ 39	0.0000	-7.6000	/ 40	0.0000	-7.8000	/
41	0.0000	-8.0000	/ 42	0.0000	-8.2000	/ 43	0.0000	-8.4000	/ 44	0.0000	-8.6000	/
45	0.0000	-8.8000	/ 46	0.0000	-9.0000	/ 47	0.0000	-9.2000	/ 48	0.0000	-9.4000	/
49	0.0000	-9.6000	/ 50	0.0000	-9.8000	/ 51	0.0000	-10.000	/ 52	0.0000	-10.200	/
53	0.0000	-10.400	/ 54	0.0000	-10.600	/ 55	0.0000	-10.800	/ 56	0.0000	-11.000	/
57	0.0000	-11.200	/ 58	0.0000	-11.400	/ 59	0.0000	-11.600	/ 60	0.0000	-11.800	/
61	0.0000	-12.000	/ 62	0.0000	-12.200	/ 63	0.0000	-12.400	/ 64	0.0000	-12.600	/
65	0.0000	-12.800	/ 66	0.0000	-13.000	/ 67	0.0000	-13.200	/ 68	0.0000	-13.400	/
69	0.0000	-13.600	/ 70	0.0000	-13.800	/ 71	0.0000	-14.000	/ 72	0.0000	-14.200	/
73	0.0000	-14.400	/ 74	0.0000	-14.600	/ 75	0.0000	-14.800	/ 76	0.0000	-15.000	/
77	0.0000	-15.200	/ 78	0.0000	-15.400	/ 79	0.0000	-15.600	/ 80	0.0000	-15.800	/
81	0.0000	-16.000	/ 82	0.0000	-16.200	/ 83	0.0000	-16.400	/ 84	0.0000	-16.600	/
85	0.0000	-16.800	/ 86	0.0000	-17.000	/ 87	0.0000	-17.200	/ 88	0.0000	-17.400	/
89	0.0000	-17.600	/ 90	0.0000	-17.800	/ 91	0.0000	-18.000	/			

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                          :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................
```

element group behaviour throughout stage analysis

stage	status
1	active
2	active
3	active
4	active
5	active
6	active

material set no. 1

prop(1) angle 0.00000
prop(2) layer as foreseen 1.00000

material set no. 2

prop(1) angle 0.00000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000

58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------
```

1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000

9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.280300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
   34   34   35    1     0.000     0.000    0.6848     0.000     0.000
   35   35   36    1     0.000     0.000    0.6848     0.000     0.000
   36   36   37    1     0.000     0.000    0.6848     0.000     0.000
```

37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      17:58:38                                            |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3   active
    4   active
    5   active
    6   active

 material set no.    1
```

```
 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step    -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   16    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step    -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   42    1   0.2106E-04 166.7     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   12
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION
```

```
    0.00000    0.0000E+00
    4.80000    0.0000E+00
    5.00000    0.1000E+01
    5.20000    0.0000E+00
    7.00000    0.0000E+00


 LOAD FUNCTION NUMBER   =    6
 NUMBER OF TIME POINTS  =    5

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    5.80000    0.0000E+00
    6.00000    0.1000E+01
    6.20000    0.0000E+00
    7.00000    0.0000E+00


 LOAD FUNCTION NUMBER   =    7
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    0.80000    0.0000E+00
    1.00000    0.1000E+01
    7.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =    8
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    1.80000    0.0000E+00
    2.00000    0.1000E+01
    7.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =    9
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    2.80000    0.0000E+00
    3.00000    0.1000E+01
    7.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   10
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    3.80000    0.0000E+00
    4.00000    0.1000E+01
    7.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   11
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    4.80000    0.0000E+00
    5.00000    0.1000E+01
    7.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   12
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION
```

```
       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       7.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED


+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
```

```
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
```

```
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
```

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ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    12 VALUES
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00         -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -3.500         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00         -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000

Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	10.00	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-9.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-12.60	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

LEFT-HAND WALL

LOWER LEVEL -18.00000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -18.00000
UPPER LEVEL 0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          15.2000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4412

 NO. OF D.P.W  FOR THIS AREA      10847
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
```

```
          RATIOT= 0.000     RATIOR= 0.000
          MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
          MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0

 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
 |                                  Exe Time :29 July 2019      17:58:38                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS

 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
 |                                  Exe Time :29 July 2019      17:58:38                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4147E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4147E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4147E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4147E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4147E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4147E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4147E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.4147E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.4147E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.4147E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.4147E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.4147E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.4147E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.4147E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.4147E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.4147E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.4147E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.4147E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C  1.4147E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
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20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000	
88.62	0.000	0.000	Strato1_2_8_L_0										
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000	
90.63	0.000	0.000	Strato1_2_8_L_0										
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000	
92.64	0.000	0.000	Strato1_2_8_L_0										
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000	
94.66	0.000	0.000	Strato1_2_8_L_0										
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000	
96.67	0.000	0.000	Strato1_2_8_L_0										
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000	
98.69	0.000	0.000	Strato1_2_8_L_0										
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000	
100.7	0.000	0.000	Strato1_2_8_L_0										
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000	
102.7	0.000	0.000	Strato1_2_8_L_0										
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000	
104.7	0.000	0.000	Strato1_2_8_L_0										
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000	
106.7	0.000	0.000	Strato1_2_8_L_0										
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000	
108.8	0.000	0.000	Strato1_2_8_L_0										
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato1_2_8_L_0										
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000	
112.8	0.000	0.000	Strato1_2_8_L_0										
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000	
114.8	0.000	0.000	Strato1_2_8_L_0										
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000	
116.8	0.000	0.000	Strato1_2_8_L_0										
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato1_2_8_L_0										
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000	
120.8	0.000	0.000	Strato1_2_8_L_0										
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000	

122.9	0.000	0.000	Strato1_2_8_L_0										
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000	
124.9	0.000	0.000	Strato1_2_8_L_0										
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	4.0020E+04	-12.60	0.000	1.000	1.000	
119.7	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	4.0020E+04	-12.80	0.000	1.000	1.000	
121.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	4.0020E+04	-13.00	0.000	1.000	1.000	
123.7	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	4.0020E+04	-13.20	0.000	1.000	1.000	
125.7	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	4.0020E+04	-13.40	0.000	1.000	1.000	
127.7	0.000	0.000	Strato2_3095_82743_L_0										
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	4.0020E+04	-13.60	0.000	1.000	1.000	
129.7	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	4.0020E+04	-13.80	0.000	1.000	1.000	
131.7	0.000	0.000	Strato2_3095_82743_L_0										
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	4.0020E+04	-14.00	0.000	1.000	1.000	
133.7	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	4.0020E+04	-14.20	0.000	1.000	1.000	
135.7	0.000	0.000	Strato2_3095_82743_L_0										
73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	4.0020E+04	-14.40	0.000	1.000	1.000	
137.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	4.0020E+04	-14.60	0.000	1.000	1.000	
139.7	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	4.0020E+04	-14.80	0.000	1.000	1.000	
141.7	0.000	0.000	Strato2_3095_82743_L_0										
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	4.0020E+04	-15.00	0.000	1.000	1.000	
143.7	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	4.0020E+04	-15.20	0.000	1.000	1.000	
145.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	4.0020E+04	-15.40	0.000	1.000	1.000	
147.7	0.000	0.000	Strato2_3095_82743_L_0										
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	4.0020E+04	-15.60	0.000	1.000	1.000	
149.7	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	4.0020E+04	-15.80	0.000	1.000	1.000	
151.7	0.000	0.000	Strato2_3095_82743_L_0										
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	4.0020E+04	-16.00	0.000	1.000	1.000	
153.7	0.000	0.000	Strato2_3095_82743_L_0										
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	4.0020E+04	-16.20	0.000	1.000	1.000	
155.7	0.000	0.000	Strato2_3095_82743_L_0										
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	4.0020E+04	-16.40	0.000	1.000	1.000	
157.7	0.000	0.000	Strato2_3095_82743_L_0										
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	4.0020E+04	-16.60	0.000	1.000	1.000	
159.7	0.000	0.000	Strato2_3095_82743_L_0										
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	4.0020E+04	-16.80	0.000	1.000	1.000	
161.7	0.000	0.000	Strato2_3095_82743_L_0										
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	4.0020E+04	-17.00	0.000	1.000	1.000	
163.7	0.000	0.000	Strato2_3095_82743_L_0										
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	4.0020E+04	-17.20	0.000	1.000	1.000	
165.7	0.000	0.000	Strato2_3095_82743_L_0										
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	4.0020E+04	-17.40	0.000	1.000	1.000	
167.7	0.000	0.000	Strato2_3095_82743_L_0										
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	4.0020E+04	-17.60	0.000	1.000	1.000	
169.7	0.000	0.000	Strato2_3095_82743_L_0										
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	4.0020E+04	-17.80	0.000	1.000	1.000	
171.7	0.000	0.000	Strato2_3095_82743_L_0										
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	4.0020E+04	-18.00	0.000	1.000	1.000	
173.7	0.000	0.000	Strato2_3095_82743_L_0										

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.Nominal_63                                           |
 |                                Exe Time :29 July 2019      17:58:38                                                     |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq          Su_a        Su_p     LAYER
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---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000          V-C   9817.       0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014          V-C   9817.      -0.2000      0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028          V-C   9817.      -0.4000      0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042          V-C   9817.      -0.6000      0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056          V-C   9817.      -0.8000      0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07          V-C   9817.       -1.000      0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08          V-C   9817.       -1.200      0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10          V-C   9817.       -1.400      0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11          V-C   9817.       -1.600      0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13          V-C   9817.       -1.800      0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14          V-C   9817.       -2.000      0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15          V-C   9817.       -2.200      0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17          V-C   9817.       -2.400      0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18          V-C   9817.       -2.600      0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20          V-C   9817.       -2.800      0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21          V-C   9817.       -3.000      0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22          V-C   9817.       -3.200      0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24          V-C   9817.       -3.400      0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25          V-C   9817.       -3.600      0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27          V-C   9817.       -3.800      0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28          V-C   9817.       -4.000      0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29          V-C   9817.       -4.200      0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31          V-C   9817.       -4.400      0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32          V-C   9817.       -4.600      0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34          V-C   9817.       -4.800      0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35          V-C   9817.       -5.000      0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36          V-C   9817.       -5.200      0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38          V-C   9817.       -5.400      0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39          V-C   9817.       -5.600      0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41          V-C   9817.       -5.800      0.000       1.000       1.000
58.41       0.000       0.000     Strato1_2_8_L_0
  31 D   12.08       0.000       114.0       60.42       114.0       60.42          V-C   9817.       -6.000      0.000       1.000       1.000
60.42       0.000       0.000     Strato1_2_8_L_0
  32 D   12.49       0.000       117.8       62.43       117.8       62.43          V-C   9817.       -6.200      0.000       1.000       1.000
62.43       0.000       0.000     Strato1_2_8_L_0
  33 D   12.89       0.000       121.6       64.45       121.6       64.45          V-C   9817.       -6.400      0.000       1.000       1.000
64.45       0.000       0.000     Strato1_2_8_L_0
  34 D   13.29       0.000       125.4       66.46       125.4       66.46          V-C   9817.       -6.600      0.000       1.000       1.000
66.46       0.000       0.000     Strato1_2_8_L_0
  35 D   13.70       0.000       129.2       68.48       129.2       68.48          V-C   9817.       -6.800      0.000       1.000       1.000
68.48       0.000       0.000     Strato1_2_8_L_0
  36 D   14.10       0.000       133.0       70.49       133.0       70.49          V-C   9817.       -7.000      0.000       1.000       1.000
70.49       0.000       0.000     Strato1_2_8_L_0
  37 D   14.50       0.000       136.8       72.50       136.8       72.50          V-C   9817.       -7.200      0.000       1.000       1.000
72.50       0.000       0.000     Strato1_2_8_L_0
  38 D   14.90       0.000       140.6       74.52       140.6       74.52          V-C   9817.       -7.400      0.000       1.000       1.000
74.52       0.000       0.000     Strato1_2_8_L_0
  39 D   15.31       0.000       144.4       76.53       144.4       76.53          V-C   9817.       -7.600      0.000       1.000       1.000
76.53       0.000       0.000     Strato1_2_8_L_0
  40 D   15.71       0.000       148.2       78.55       148.2       78.55          V-C   9817.       -7.800      0.000       1.000       1.000
78.55       0.000       0.000     Strato1_2_8_L_0
  41 D   16.11       0.000       152.0       80.56       152.0       80.56          V-C   9817.       -8.000      0.000       1.000       1.000
80.56       0.000       0.000     Strato1_2_8_L_0
  42 D   16.51       0.000       155.8       82.57       155.8       82.57          V-C   9817.       -8.200      0.000       1.000       1.000
82.57       0.000       0.000     Strato1_2_8_L_0
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43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000	84.59	0.000	0.000	Strato1_2_8_L_0
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000	86.60	0.000	0.000	Strato1_2_8_L_0
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000	88.62	0.000	0.000	Strato1_2_8_L_0
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000	90.63	0.000	0.000	Strato1_2_8_L_0
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000	92.64	0.000	0.000	Strato1_2_8_L_0
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000	94.66	0.000	0.000	Strato1_2_8_L_0
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000	96.67	0.000	0.000	Strato1_2_8_L_0
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000	98.69	0.000	0.000	Strato1_2_8_L_0
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000	100.7	0.000	0.000	Strato1_2_8_L_0
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000	102.7	0.000	0.000	Strato1_2_8_L_0
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000	104.7	0.000	0.000	Strato1_2_8_L_0
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000	106.7	0.000	0.000	Strato1_2_8_L_0
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000	108.8	0.000	0.000	Strato1_2_8_L_0
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000	110.8	0.000	0.000	Strato1_2_8_L_0
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000	112.8	0.000	0.000	Strato1_2_8_L_0
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000	114.8	0.000	0.000	Strato1_2_8_L_0
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000	116.8	0.000	0.000	Strato1_2_8_L_0
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000	118.8	0.000	0.000	Strato1_2_8_L_0
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000	120.8	0.000	0.000	Strato1_2_8_L_0
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000	122.9	0.000	0.000	Strato1_2_8_L_0
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	9817.	-12.40	0.000	1.000	1.000	124.9	0.000	0.000	Strato1_2_8_L_0
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	2.1690E+04	-12.60	0.000	1.000	1.000	119.7	0.000	0.000	Strato2_3095_82743_L_0
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	2.1690E+04	-12.80	0.000	1.000	1.000	121.7	0.000	0.000	Strato2_3095_82743_L_0
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	2.1690E+04	-13.00	0.000	1.000	1.000	123.7	0.000	0.000	Strato2_3095_82743_L_0
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	2.1690E+04	-13.20	0.000	1.000	1.000	125.7	0.000	0.000	Strato2_3095_82743_L_0
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	2.1690E+04	-13.40	0.000	1.000	1.000	127.7	0.000	0.000	Strato2_3095_82743_L_0
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	2.1690E+04	-13.60	0.000	1.000	1.000	129.7	0.000	0.000	Strato2_3095_82743_L_0
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	2.1690E+04	-13.80	0.000	1.000	1.000	131.7	0.000	0.000	Strato2_3095_82743_L_0
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	2.1690E+04	-14.00	0.000	1.000	1.000	133.7	0.000	0.000	Strato2_3095_82743_L_0
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	2.1690E+04	-14.20	0.000	1.000	1.000	135.7	0.000	0.000	Strato2_3095_82743_L_0
73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	2.1690E+04	-14.40	0.000	1.000	1.000	137.7	0.000	0.000	Strato2_3095_82743_L_0
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	2.1690E+04	-14.60	0.000	1.000	1.000	139.7	0.000	0.000	Strato2_3095_82743_L_0
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	2.1690E+04	-14.80	0.000	1.000	1.000	141.7	0.000	0.000	Strato2_3095_82743_L_0
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	2.1690E+04	-15.00	0.000	1.000	1.000	143.7	0.000	0.000	Strato2_3095_82743_L_0
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	2.1690E+04	-15.20	0.000	1.000	1.000	145.7	0.000	0.000	Strato2_3095_82743_L_0
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	2.1690E+04	-15.40	0.000	1.000	1.000	147.7	0.000	0.000	Strato2_3095_82743_L_0
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	2.1690E+04	-15.60	0.000	1.000	1.000	149.7	0.000	0.000	Strato2_3095_82743_L_0
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	2.1690E+04	-15.80	0.000	1.000	1.000	151.7	0.000	0.000	Strato2_3095_82743_L_0
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	2.1690E+04	-16.00	0.000	1.000	1.000	153.7	0.000	0.000	Strato2_3095_82743_L_0
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	2.1690E+04	-16.20	0.000	1.000	1.000	155.7	0.000	0.000	Strato2_3095_82743_L_0
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	2.1690E+04	-16.40	0.000	1.000	1.000	157.7	0.000	0.000	Strato2_3095_82743_L_0
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	2.1690E+04	-16.60	0.000	1.000	1.000	159.7	0.000	0.000	Strato2_3095_82743_L_0
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	2.1690E+04	-16.80	0.000	1.000	1.000				

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161.7       0.000       0.000     Strato2_3095_82743_L_0
  86 D   32.74       0.000       327.4       163.7       327.4       163.7            V-C  2.1690E+04  -17.00       0.000       1.000       1.000
163.7       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.14       0.000       331.4       165.7       331.4       165.7            V-C  2.1690E+04  -17.20       0.000       1.000       1.000
165.7       0.000       0.000     Strato2_3095_82743_L_0
  88 D   33.54       0.000       335.4       167.7       335.4       167.7            V-C  2.1690E+04  -17.40       0.000       1.000       1.000
167.7       0.000       0.000     Strato2_3095_82743_L_0
  89 D   33.94       0.000       339.4       169.7       339.4       169.7            V-C  2.1690E+04  -17.60       0.000       1.000       1.000
169.7       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.34       0.000       343.4       171.7       343.4       171.7            V-C  2.1690E+04  -17.80       0.000       1.000       1.000
171.7       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.37       0.000       347.4       173.7       347.4       173.7            V-C  2.1690E+04  -18.00       0.000       1.000       1.000
173.7       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                                              |
 |                                  Exe Time :29 July 2019      17:58:38                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
     9  0.0000      0.0000      0.0000      0.0000
    10  0.0000      0.0000      0.0000      0.0000
    11  0.0000      0.0000      0.0000      0.0000
    12  0.0000      0.0000      0.0000      0.0000
    13  0.0000      0.0000      0.0000      0.0000
    14  0.0000      0.0000      0.0000      0.0000
    15  0.0000      0.0000      0.0000      0.0000
    16  0.0000      0.0000      0.0000      0.0000
    17  0.0000      0.0000      0.0000      0.0000
    18  0.0000      0.0000      0.0000      0.0000
    19  0.0000      0.0000      0.0000      0.0000
    20  0.0000      0.0000      0.0000      0.0000
    21  0.0000      0.0000      0.0000      0.0000
    22  0.0000      0.0000      0.0000      0.0000
    23  0.0000      0.0000      0.0000      0.0000
    24  0.0000      0.0000      0.0000      0.0000
    25  0.0000      0.0000      0.0000      0.0000
    26  0.0000      0.0000      0.0000      0.0000
    27  0.0000      0.0000      0.0000      0.0000
    28  0.0000      0.0000      0.0000      0.0000
    29  0.0000      0.0000      0.0000      0.0000
    30  0.0000      0.0000      0.0000      0.0000
    31  0.0000      0.0000      0.0000      0.0000
    32  0.0000      0.0000      0.0000      0.0000
    33  0.0000      0.0000      0.0000      0.0000
    34  0.0000      0.0000      0.0000      0.0000
    35  0.0000      0.0000      0.0000      0.0000
    36  0.0000      0.0000      0.0000      0.0000
    37  0.0000      0.0000      0.0000      0.0000
    38  0.0000      0.0000      0.0000      0.0000
    39  0.0000      0.0000      0.0000      0.0000
    40  0.0000      0.0000      0.0000      0.0000
    41  0.0000      0.0000      0.0000      0.0000
    42  0.0000      0.0000      0.0000      0.0000
    43  0.0000      0.0000      0.0000      0.0000
    44  0.0000      0.0000      0.0000      0.0000
    45  0.0000      0.0000      0.0000      0.0000
    46  0.0000      0.0000      0.0000      0.0000
    47  0.0000      0.0000      0.0000      0.0000
    48  0.0000      0.0000      0.0000      0.0000
    49  0.0000      0.0000      0.0000      0.0000
```

50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000
90	0.0000	0.0000	0.0000	0.0000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :29 July 2019      17:58:38                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :29 July 2019      17:58:38                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
```

```
         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 1557.     REMNOR= 0.000     RATIO =0.1454     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1454     RATIOR= 0.000
           MAX UN= 8.691     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 103.3     REMNOR=0.2133E-19 RATIO =0.3745E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.3745E-01 RATIOR= 0.000
           MAX UN= 4.055     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2147E-09 IEQ=   165 NODE     83 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 114.5     REMNOR=0.1578E-18 RATIO =0.3942E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.3942E-01 RATIOR= 0.000
           MAX UN= 6.019     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.3039E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 10.34     REMNOR=0.6492E-19 RATIO =0.1185E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1185E-01 RATIOR= 0.000
           MAX UN= 2.465     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2143E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM=0.5334E-02 REMNOR=0.5492E-19 RATIO =0.2691E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.2691E-03 RATIOR= 0.000
           MAX UN=0.7279E-01 IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.7813E-09 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM=0.1577E-16 REMNOR=0.5331E-19 RATIO =0.1463E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1463E-10 RATIOR= 0.000
           MAX UN=0.1705E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.1694E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.6712020E-03  -1.1433850E-03
    2   7.4425262E-03  -1.1433668E-03
    3   7.2138595E-03  -1.1432844E-03
    4   6.9852206E-03  -1.1430789E-03
    5   6.7566410E-03  -1.1426778E-03
    6   6.5281682E-03  -1.1419953E-03
    7   6.2998681E-03  -1.1409337E-03
    8   6.0718273E-03  -1.1393835E-03
    9   5.8441554E-03  -1.1372237E-03
   10   5.6169872E-03  -1.1343230E-03
   11   5.3904850E-03  -1.1305398E-03
   12   5.1648404E-03  -1.1257208E-03
   13   4.9402767E-03  -1.1197017E-03
   14   4.7170514E-03  -1.1123068E-03
   15   4.4954581E-03  -1.1033491E-03
   16   4.2758291E-03  -1.0926306E-03
   17   4.0585372E-03  -1.0799426E-03
   18   3.8439980E-03  -1.0650657E-03
   19   3.6326722E-03  -1.0477696E-03
   20   3.4250652E-03  -1.0278490E-03
   21   3.2217147E-03  -1.0051969E-03
   22   3.0231666E-03  -9.7984122E-04
   23   2.8299476E-03  -9.5194436E-04
   24   2.6425427E-03  -9.2175384E-04
   25   2.4613823E-03  -8.8953410E-04
   26   2.2868468E-03  -8.5554955E-04
   27   2.1192626E-03  -8.2006400E-04
   28   1.9589036E-03  -7.8334109E-04
   29   1.8059918E-03  -7.4564485E-04
   30   1.6606938E-03  -7.0723929E-04
   31   1.5231257E-03  -6.6838990E-04
   32   1.3933496E-03  -6.2936355E-04
   33   1.2713742E-03  -5.9042838E-04
   34   1.1571553E-03  -5.5183737E-04
   35   1.0506019E-03  -5.1381341E-04
   36   9.5157974E-04  -4.7655052E-04
   37   8.5991977E-04  -4.4021694E-04
   38   7.7542144E-04  -4.0495623E-04
   39   6.9785769E-04  -3.7088940E-04
   40   6.2697972E-04  -3.3811717E-04
   41   5.6251943E-04  -3.0672113E-04
   42   5.0419410E-04  -2.7676537E-04
   43   4.5171275E-04  -2.4829982E-04
   44   4.0477279E-04  -2.2135848E-04
   45   3.6306656E-04  -1.9596279E-04
   46   3.2628394E-04  -1.7212318E-04
   47   2.9411359E-04  -1.4983894E-04
   48   2.6624545E-04  -1.2909837E-04
   49   2.4237289E-04  -1.0987989E-04
   50   2.2219417E-04  -9.2153092E-05
   51   2.0541470E-04  -7.5880593E-05
   52   1.9174776E-04  -6.1018706E-05
   53   1.8091625E-04  -4.7519236E-05
   54   1.7265275E-04  -3.5329578E-05
   55   1.6670078E-04  -2.4394525E-05
   56   1.6281511E-04  -1.4656916E-05
   57   1.6076209E-04  -6.0581132E-06
   58   1.6031991E-04   1.4613498E-06
   59   1.6127865E-04   7.9611786E-06
   60   1.6344037E-04   1.3500820E-05
   61   1.6661889E-04   1.8139015E-05
   62   1.7063970E-04   2.1933195E-05
   63   1.7533962E-04   2.4939168E-05
   64   1.8056644E-04   2.7211118E-05
   65   1.8617991E-04   2.8820719E-05
   66   1.9205640E-04   2.9855399E-05
   67   1.9808921E-04   3.0397206E-05
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68	2.0418721E-04	3.0522639E-05
69	2.1027492E-04	3.0302548E-05
70	2.1628953E-04	2.9801890E-05
71	2.2218092E-04	2.9079812E-05
72	2.2791027E-04	2.8189939E-05
73	2.3344892E-04	2.7180500E-05
74	2.3877736E-04	2.6094502E-05
75	2.4388415E-04	2.4969906E-05
76	2.4876496E-04	2.3839836E-05
77	2.5342161E-04	2.2732597E-05
78	2.5786110E-04	2.1671889E-05
79	2.6209476E-04	2.0677193E-05
80	2.6613741E-04	1.9763966E-05
81	2.7000656E-04	1.8943822E-05
82	2.7372167E-04	1.8224705E-05
83	2.7730347E-04	1.7611033E-05
84	2.8077319E-04	1.7103835E-05
85	2.8415211E-04	1.6700684E-05
86	2.8746019E-04	1.6395868E-05
87	2.9071642E-04	1.6180505E-05
88	2.9393756E-04	1.6042699E-05
89	2.9713767E-04	1.5967544E-05
90	3.0032756E-04	1.5937166E-05
91	3.0351413E-04	1.5930725E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 17:58:38

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.7661	-7.6712E-03	25.20	7.661	25.20	13.36	ACTIVE	0.000	0.000	0.000	1.000	1.000	7.661	0.000	0.000	Strato1_2_8_L_0
2 D	1.173	-7.4425E-03	19.29	5.865	19.29	10.22	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	5.865	0.000	0.000	Strato1_2_8_L_0
3 D	1.310	-7.2139E-03	21.54	6.548	21.54	11.42	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	6.548	0.000	0.000	Strato1_2_8_L_0
4 D	1.737	-6.9852E-03	28.56	8.683	28.56	15.14	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	8.683	0.000	0.000	Strato1_2_8_L_0
5 D	1.886	-6.7566E-03	31.02	9.431	31.02	16.44	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.431	0.000	0.000	Strato1_2_8_L_0
6 D	2.224	-6.5282E-03	36.58	11.12	36.58	19.39	ACTIVE	0.000	-1.000	0.000	1.000	1.000	11.12	0.000	0.000	Strato1_2_8_L_0
7 D	2.393	-6.2999E-03	39.36	11.96	39.36	20.86	ACTIVE	0.000	-1.200	0.000	1.000	1.000	11.96	0.000	0.000	Strato1_2_8_L_0
8 D	2.697	-6.0718E-03	44.36	13.49	44.36	23.51	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.49	0.000	0.000	Strato1_2_8_L_0
9 D	2.838	-5.8442E-03	46.68	14.19	46.68	24.74	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.19	0.000	0.000	Strato1_2_8_L_0
10 D	3.129	-5.6170E-03	51.47	15.65	51.47	27.28	ACTIVE	0.000	-1.800	0.000	1.000	1.000	15.65	0.000	0.000	Strato1_2_8_L_0
11 D	3.323	-5.3905E-03	54.65	16.61	54.65	28.97	ACTIVE	0.000	-2.000	0.000	1.000	1.000	16.61	0.000	0.000	Strato1_2_8_L_0
12 D	3.602	-5.1648E-03	59.24	18.01	59.24	31.40	ACTIVE	0.000	-2.200	0.000	1.000	1.000	18.01	0.000	0.000	Strato1_2_8_L_0
13 D	3.800	-4.9403E-03	62.51	19.00	62.51	33.13	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_2_8_L_0
14 D	4.071	-4.7171E-03	66.96	20.36	66.96	35.49	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.36	0.000	0.000	Strato1_2_8_L_0
15 D	4.274	-4.4955E-03	70.29	21.37	70.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.37	0.000	0.000	Strato1_2_8_L_0
16 D	4.516	-4.2758E-03	74.27	22.58	74.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000	22.58	0.000	0.000	Strato1_2_8_L_0
17 D	4.723	-4.0585E-03	77.68	23.61	77.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0

18 D	4.985	-3.8440E-03	81.99	24.92	81.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000	
24.92	0.000	0.000	Strato1_2_8_L_0										
19 D	5.194	-3.6327E-03	85.43	25.97	85.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000	
25.97	0.000	0.000	Strato1_2_8_L_0										
20 D	5.452	-3.4251E-03	89.67	27.26	89.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000	
27.26	0.000	0.000	Strato1_2_8_L_0										
21 D	5.663	-3.2217E-03	93.15	28.32	93.15	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	
28.32	0.000	0.000	Strato1_2_8_L_0										
22 D	5.919	-3.0232E-03	97.35	29.59	97.35	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000	
29.59	0.000	0.000	Strato1_2_8_L_0										
23 D	6.131	-2.8299E-03	100.8	30.66	100.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000	
30.66	0.000	0.000	Strato1_2_8_L_0										
24 D	6.369	-2.6425E-03	104.8	31.85	104.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000	
31.85	0.000	0.000	Strato1_2_8_L_0										
25 D	6.584	-2.4614E-03	108.3	32.92	108.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000	
32.92	0.000	0.000	Strato1_2_8_L_0										
26 D	6.836	-2.2868E-03	112.4	34.18	112.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000	
34.18	0.000	0.000	Strato1_2_8_L_0										
27 D	7.051	-2.1193E-03	116.0	35.26	116.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000	
35.26	0.000	0.000	Strato1_2_8_L_0										
28 D	7.301	-1.9589E-03	120.1	36.51	120.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000	
36.51	0.000	0.000	Strato1_2_8_L_0										
29 D	7.518	-1.8060E-03	123.7	37.59	123.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000	
37.59	0.000	0.000	Strato1_2_8_L_0										
30 D	7.767	-1.6607E-03	127.7	38.83	127.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000	
38.83	0.000	0.000	Strato1_2_8_L_0										
31 D	7.972	-1.5231E-03	131.1	39.86	131.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
39.86	0.000	0.000	Strato1_2_8_L_0										
32 D	8.249	-1.3933E-03	135.2	41.24	135.2	71.66	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000	
41.24	0.000	0.000	Strato1_2_8_L_0										
33 D	9.162	-1.2714E-03	138.8	45.81	138.8	73.56	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000	
45.81	0.000	0.000	Strato1_2_8_L_0										
34 D	10.09	-1.1572E-03	142.9	50.45	142.9	75.71	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000	
50.45	0.000	0.000	Strato1_2_8_L_0										
35 D	10.94	-1.0506E-03	146.5	54.69	146.5	77.62	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000	
54.69	0.000	0.000	Strato1_2_8_L_0										
36 D	11.80	-9.5158E-04	150.5	58.99	150.5	79.76	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000	
58.99	0.000	0.000	Strato1_2_8_L_0										
37 D	12.58	-8.5992E-04	154.1	62.91	154.1	81.68	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000	
62.91	0.000	0.000	Strato1_2_8_L_0										
38 D	13.38	-7.7542E-04	158.1	66.89	158.1	83.81	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000	
66.89	0.000	0.000	Strato1_2_8_L_0										
39 D	14.08	-6.9786E-04	161.6	70.42	161.6	85.65	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000	
70.42	0.000	0.000	Strato1_2_8_L_0										
40 D	14.82	-6.2698E-04	165.6	74.10	165.6	87.78	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000	
74.10	0.000	0.000	Strato1_2_8_L_0										
41 D	15.49	-5.6252E-04	169.3	77.43	169.3	89.71	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000	
77.43	0.000	0.000	Strato1_2_8_L_0										
42 D	16.17	-5.0419E-04	173.3	80.83	173.3	91.83	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000	
80.83	0.000	0.000	Strato1_2_8_L_0										
43 D	16.78	-4.5171E-04	176.9	83.90	176.9	93.76	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000	
83.90	0.000	0.000	Strato1_2_8_L_0										
44 D	17.41	-4.0477E-04	180.9	87.04	180.9	95.88	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000	
87.04	0.000	0.000	Strato1_2_8_L_0										
45 D	17.98	-3.6307E-04	184.5	89.89	184.5	97.81	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000	
89.89	0.000	0.000	Strato1_2_8_L_0										
46 D	18.55	-3.2628E-04	188.4	92.73	188.4	99.86	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000	
92.73	0.000	0.000	Strato1_2_8_L_0										
47 D	19.07	-2.9411E-04	192.1	95.37	192.1	101.8	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000	
95.37	0.000	0.000	Strato1_2_8_L_0										
48 D	19.62	-2.6625E-04	196.0	98.09	196.0	103.9	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000	
98.09	0.000	0.000	Strato1_2_8_L_0										
49 D	20.11	-2.4237E-04	199.7	100.6	199.7	105.8	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000	
100.6	0.000	0.000	Strato1_2_8_L_0										
50 D	20.62	-2.2219E-04	203.7	103.1	203.7	107.9	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000	
103.1	0.000	0.000	Strato1_2_8_L_0										
51 D	21.08	-2.0541E-04	207.3	105.4	207.3	109.9	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000	
105.4	0.000	0.000	Strato1_2_8_L_0										
52 D	21.56	-1.9175E-04	211.3	107.8	211.3	112.0	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000	
107.8	0.000	0.000	Strato1_2_8_L_0										
53 D	22.00	-1.8092E-04	215.0	110.0	215.0	113.9	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000	
110.0	0.000	0.000	Strato1_2_8_L_0										
54 D	22.44	-1.7265E-04	218.8	112.2	218.8	116.0	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000	
112.2	0.000	0.000	Strato1_2_8_L_0										
55 D	22.86	-1.6670E-04	222.5	114.3	222.5	117.9	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000	
114.3	0.000	0.000	Strato1_2_8_L_0										
56 D	23.29	-1.6282E-04	226.5	116.5	226.5	120.0	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000	
116.5	0.000	0.000	Strato1_2_8_L_0										
57 D	23.69	-1.6076E-04	230.1	118.5	230.1	122.0	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000	
118.5	0.000	0.000	Strato1_2_8_L_0										
58 D	24.11	-1.6032E-04	234.1	120.6	234.1	124.1	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000	
120.6	0.000	0.000	Strato1_2_8_L_0										
59 D	24.50	-1.6128E-04	237.8	122.5	237.8	126.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000	
122.5	0.000	0.000	Strato1_2_8_L_0										
60 D	24.91	-1.6344E-04	241.7	124.5	241.7	128.1	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000	

124.5	0.000	0.000	Strato1_2_8_L_0									
61 D	25.27	-1.6662E-04	245.3	126.4	245.3	130.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
126.4	0.000	0.000	Strato1_2_8_L_0									
62 D	25.67	-1.7064E-04	249.2	128.4	249.2	132.1	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
128.4	0.000	0.000	Strato1_2_8_L_0									
63 D	26.04	-1.7534E-04	252.9	130.2	252.9	134.1	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
130.2	0.000	0.000	Strato1_2_8_L_0									
64 D	23.46	-1.8057E-04	256.9	117.3	256.9	128.4	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000
117.3	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.78	-1.8618E-04	260.8	118.9	260.8	130.4	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000
118.9	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.12	-1.9206E-04	264.9	120.6	264.9	132.4	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
67 D	24.43	-1.9809E-04	268.8	122.2	268.8	134.4	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
122.2	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.77	-2.0419E-04	272.9	123.8	272.9	136.5	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
123.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.08	-2.1027E-04	276.7	125.4	276.7	138.4	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
125.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.41	-2.1629E-04	280.8	127.1	280.8	140.4	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
127.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.73	-2.2218E-04	284.7	128.7	284.7	142.4	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
128.7	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.07	-2.2791E-04	288.9	130.4	288.9	144.4	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
130.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.39	-2.3345E-04	292.8	132.0	292.8	146.4	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
132.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.74	-2.3878E-04	296.9	133.7	296.9	148.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.07	-2.4388E-04	300.8	135.3	300.8	150.4	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
135.3	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.41	-2.4876E-04	304.8	137.1	304.8	152.4	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
137.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.74	-2.5342E-04	308.7	138.7	308.7	154.4	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
138.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.10	-2.5786E-04	312.9	140.5	312.9	156.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.5	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.44	-2.6209E-04	316.8	142.2	316.8	158.4	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.80	-2.6614E-04	320.9	144.0	320.9	160.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.0	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.14	-2.7001E-04	324.8	145.7	324.8	162.4	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
145.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.51	-2.7372E-04	328.9	147.5	328.9	164.4	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
147.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.86	-2.7730E-04	332.8	149.3	332.8	166.4	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.22	-2.8077E-04	336.8	151.1	336.8	168.4	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.57	-2.8415E-04	340.8	152.8	340.8	170.4	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
152.8	0.000	0.000	Strato2_3095_82743_L_0									
86 D	30.94	-2.8746E-04	344.9	154.7	344.9	172.4	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
154.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.29	-2.9072E-04	348.8	156.4	348.8	174.4	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.4	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.66	-2.9394E-04	352.9	158.3	352.9	176.4	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.01	-2.9714E-04	356.8	160.1	356.8	178.4	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.1	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.38	-3.0033E-04	360.9	161.9	360.9	180.4	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
161.9	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.36	-3.0351E-04	364.8	163.6	364.8	182.4	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
163.6	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                  Exe Time :29 July 2019      17:58:38                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                           :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	1.536	3.6327E-03	1.900	7.678	68.40	36.25	PASSIVE	0.000	-3.600	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
20 D	4.607	3.4251E-03	5.700	23.03	72.20	38.27	PASSIVE	0.000	-3.800	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
21 D	7.678	3.2217E-03	9.500	38.39	76.00	40.28	PASSIVE	0.000	-4.000	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
22 D	10.75	3.0232E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
23 D	11.72	2.8299E-03	17.10	58.60	83.60	58.60	V-C	5049.	-4.400	0.000	1.000	1.000	58.60	0.000	0.000	Strato1_2_8_L_0
24 D	11.93	2.6425E-03	20.90	59.66	87.40	59.66	V-C	5049.	-4.600	0.000	1.000	1.000	59.66	0.000	0.000	Strato1_2_8_L_0
25 D	12.15	2.4614E-03	24.70	60.76	91.20	60.76	V-C	5049.	-4.800	0.000	1.000	1.000	60.76	0.000	0.000	Strato1_2_8_L_0
26 D	12.38	2.2868E-03	28.50	61.90	95.00	61.90	V-C	5049.	-5.000	0.000	1.000	1.000	61.90	0.000	0.000	Strato1_2_8_L_0
27 D	12.61	2.1193E-03	32.30	63.06	98.80	63.06	V-C	5049.	-5.200	0.000	1.000	1.000	63.06	0.000	0.000	Strato1_2_8_L_0
28 D	12.85	1.9589E-03	36.10	64.27	102.6	64.27	V-C	5049.	-5.400	0.000	1.000	1.000	64.27	0.000	0.000	Strato1_2_8_L_0
29 D	13.10	1.8060E-03	39.90	65.51	106.4	65.51	V-C	5049.	-5.600	0.000	1.000	1.000	65.51	0.000	0.000	Strato1_2_8_L_0
30 D	13.36	1.6607E-03	43.70	66.79	110.2	66.79	V-C	5049.	-5.800	0.000	1.000	1.000	66.79	0.000	0.000	Strato1_2_8_L_0
31 D	13.62	1.5231E-03	47.50	68.11	114.0	68.11	V-C	5049.	-6.000	0.000	1.000	1.000	68.11	0.000	0.000	Strato1_2_8_L_0
32 D	13.89	1.3933E-03	51.30	69.47	117.8	69.47	V-C	5049.	-6.200	0.000	1.000	1.000	69.47	0.000	0.000	Strato1_2_8_L_0
33 D	14.17	1.2714E-03	55.10	70.87	121.6	70.87	V-C	5049.	-6.400	0.000	1.000	1.000	70.87	0.000	0.000	Strato1_2_8_L_0
34 D	14.46	1.1572E-03	58.90	72.30	125.4	72.30	V-C	5049.	-6.600	0.000	1.000	1.000	72.30	0.000	0.000	Strato1_2_8_L_0
35 D	14.76	1.0506E-03	62.70	73.78	129.2	73.78	V-C	5049.	-6.800	0.000	1.000	1.000	73.78	0.000	0.000	Strato1_2_8_L_0
36 D	15.06	9.5158E-04	66.50	75.29	133.0	75.29	V-C	5049.	-7.000	0.000	1.000	1.000	75.29	0.000	0.000	Strato1_2_8_L_0
37 D	15.37	8.5992E-04	70.30	76.85	136.8	76.85	V-C	5049.	-7.200	0.000	1.000	1.000	76.85	0.000	0.000	Strato1_2_8_L_0
38 D	15.69	7.7542E-04	74.10	78.43	140.6	78.43	V-C	5049.	-7.400	0.000	1.000	1.000	78.43	0.000	0.000	Strato1_2_8_L_0
39 D	16.01	6.9786E-04	77.90	80.06	144.4	80.06	V-C	5049.	-7.600	0.000	1.000	1.000	80.06	0.000	0.000	Strato1_2_8_L_0
40 D	16.34	6.2698E-04	81.70	81.71	148.2	81.71	V-C	5049.	-7.800	0.000	1.000	1.000	81.71	0.000	0.000	Strato1_2_8_L_0

41 D	16.68	5.6252E-04	85.50	83.40	152.0	83.40	V-C	5049.	-8.000	0.000	1.000	1.000	83.40	0.000	0.000	Strato1_2_8_L_0
42 D	17.02	5.0419E-04	89.30	85.12	155.8	85.12	V-C	5049.	-8.200	0.000	1.000	1.000	85.12	0.000	0.000	Strato1_2_8_L_0
43 D	17.37	4.5171E-04	93.10	86.87	159.6	86.87	V-C	5049.	-8.400	0.000	1.000	1.000	86.87	0.000	0.000	Strato1_2_8_L_0
44 D	17.73	4.0477E-04	96.90	88.65	163.4	88.65	V-C	5049.	-8.600	0.000	1.000	1.000	88.65	0.000	0.000	Strato1_2_8_L_0
45 D	18.09	3.6307E-04	100.7	90.45	167.2	90.45	V-C	5049.	-8.800	0.000	1.000	1.000	90.45	0.000	0.000	Strato1_2_8_L_0
46 D	18.40	3.2628E-04	104.5	92.02	171.0	92.41	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000	92.02	0.000	0.000	Strato1_2_8_L_0
47 D	18.72	2.9411E-04	108.3	93.62	174.8	94.38	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000	93.62	0.000	0.000	Strato1_2_8_L_0
48 D	19.06	2.6625E-04	112.1	95.28	178.6	96.36	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000	95.28	0.000	0.000	Strato1_2_8_L_0
49 D	19.40	2.4237E-04	115.9	97.00	182.4	98.35	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000	97.00	0.000	0.000	Strato1_2_8_L_0
50 D	19.75	2.2219E-04	119.7	98.76	186.2	100.3	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000	98.76	0.000	0.000	Strato1_2_8_L_0
51 D	20.11	2.0541E-04	123.5	100.6	190.0	102.3	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	100.6	0.000	0.000	Strato1_2_8_L_0
52 D	20.49	1.9175E-04	127.3	102.4	193.8	104.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	102.4	0.000	0.000	Strato1_2_8_L_0
53 D	20.86	1.8092E-04	131.1	104.3	197.6	106.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000	104.3	0.000	0.000	Strato1_2_8_L_0
54 D	21.25	1.7265E-04	134.9	106.2	201.4	108.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000	106.2	0.000	0.000	Strato1_2_8_L_0
55 D	21.64	1.6670E-04	138.7	108.2	205.2	110.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000	108.2	0.000	0.000	Strato1_2_8_L_0
56 D	22.04	1.6282E-04	142.5	110.2	209.0	112.3	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000	110.2	0.000	0.000	Strato1_2_8_L_0
57 D	22.44	1.6076E-04	146.3	112.2	212.8	114.3	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000	112.2	0.000	0.000	Strato1_2_8_L_0
58 D	22.85	1.6032E-04	150.1	114.2	216.6	116.3	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000	114.2	0.000	0.000	Strato1_2_8_L_0
59 D	23.26	1.6128E-04	153.9	116.3	220.4	118.3	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000	116.3	0.000	0.000	Strato1_2_8_L_0
60 D	23.67	1.6344E-04	157.7	118.4	224.2	120.3	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000	118.4	0.000	0.000	Strato1_2_8_L_0
61 D	24.09	1.6662E-04	161.5	120.4	228.0	122.3	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000	120.4	0.000	0.000	Strato1_2_8_L_0
62 D	24.51	1.7064E-04	165.3	122.5	231.8	124.3	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000	122.5	0.000	0.000	Strato1_2_8_L_0
63 D	24.93	1.7534E-04	169.1	124.6	235.6	126.3	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000	124.6	0.000	0.000	Strato1_2_8_L_0
64 D	21.55	1.8057E-04	172.9	107.8	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000	107.8	0.000	0.000	Strato2_3095_82743_L_0
65 D	22.00	1.8618E-04	176.9	110.0	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000	110.0	0.000	0.000	Strato2_3095_82743_L_0
66 D	22.44	1.9206E-04	180.9	112.2	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000	112.2	0.000	0.000	Strato2_3095_82743_L_0
67 D	22.89	1.9809E-04	184.9	114.4	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000	114.4	0.000	0.000	Strato2_3095_82743_L_0
68 D	23.33	2.0419E-04	188.9	116.7	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000	116.7	0.000	0.000	Strato2_3095_82743_L_0
69 D	23.78	2.1027E-04	192.9	118.9	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000	118.9	0.000	0.000	Strato2_3095_82743_L_0
70 D	24.22	2.1629E-04	196.9	121.1	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000	121.1	0.000	0.000	Strato2_3095_82743_L_0
71 D	24.66	2.2218E-04	200.9	123.3	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000	123.3	0.000	0.000	Strato2_3095_82743_L_0
72 D	25.11	2.2791E-04	204.9	125.5	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000	125.5	0.000	0.000	Strato2_3095_82743_L_0
73 D	25.55	2.3345E-04	208.9	127.7	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000	127.7	0.000	0.000	Strato2_3095_82743_L_0
74 D	25.99	2.3878E-04	212.9	129.9	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000	129.9	0.000	0.000	Strato2_3095_82743_L_0
75 D	26.43	2.4388E-04	216.9	132.1	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000	132.1	0.000	0.000	Strato2_3095_82743_L_0
76 D	26.86	2.4876E-04	220.9	134.3	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000	134.3	0.000	0.000	Strato2_3095_82743_L_0
77 D	27.30	2.5342E-04	224.9	136.5	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000	136.5	0.000	0.000	Strato2_3095_82743_L_0
78 D	27.73	2.5786E-04	228.9	138.6	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000	138.6	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.16	2.6209E-04	232.9	140.8	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000	140.8	0.000	0.000	Strato2_3095_82743_L_0
80 D	28.59	2.6614E-04	236.9	143.0	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000	143.0	0.000	0.000	Strato2_3095_82743_L_0
81 D	29.02	2.7001E-04	240.9	145.1	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000	145.1	0.000	0.000	Strato2_3095_82743_L_0
82 D	29.45	2.7372E-04	244.9	147.2	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000	147.2	0.000	0.000	Strato2_3095_82743_L_0
83 D	29.87	2.7730E-04	248.9	149.4	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000				

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149.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   30.30      2.8077E-04   252.9       151.5       319.4       159.7          UL-RL  3.3465E+04  -16.60       0.000       1.000       1.000
151.5       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.73      2.8415E-04   256.9       153.6       323.4       161.7          UL-RL  3.3465E+04  -16.80       0.000       1.000       1.000
153.6       0.000       0.000     Strato2_3095_82743_L_0
  86 D   31.15      2.8746E-04   260.9       155.8       327.4       163.7          UL-RL  3.3465E+04  -17.00       0.000       1.000       1.000
155.8       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.57      2.9072E-04   264.9       157.9       331.4       165.7          UL-RL  3.3465E+04  -17.20       0.000       1.000       1.000
157.9       0.000       0.000     Strato2_3095_82743_L_0
  88 D   32.00      2.9394E-04   268.9       160.0       335.4       167.7          UL-RL  3.3465E+04  -17.40       0.000       1.000       1.000
160.0       0.000       0.000     Strato2_3095_82743_L_0
  89 D   32.42      2.9714E-04   272.9       162.1       339.4       169.7          UL-RL  3.3465E+04  -17.60       0.000       1.000       1.000
162.1       0.000       0.000     Strato2_3095_82743_L_0
  90 D   32.85      3.0033E-04   276.9       164.2       343.4       171.7          UL-RL  3.3465E+04  -17.80       0.000       1.000       1.000
164.2       0.000       0.000     Strato2_3095_82743_L_0
  91 D   16.63      3.0351E-04   280.9       166.3       347.4       173.7          UL-RL  3.3465E+04  -18.00       0.000       1.000       1.000
166.3       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
 |                                  Exe Time :29 July 2019      17:58:38                                                         |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                    :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.76608    -0.76608     7.10700E-11 0.15322
     2  1.9391     -1.9391    -0.15322     0.54103
     3  3.2487     -3.2487    -0.54103      1.1908
     4  4.9853     -4.9853     -1.1908      2.1878
     5  6.8716     -6.8716     -2.1878      3.5621
     6  9.0954     -9.0954     -3.5621      5.3812
     7  11.488     -11.488     -5.3812      7.6789
     8  14.185     -14.185     -7.6789      10.516
     9  17.023     -17.023     -10.516      13.921
    10  20.153     -20.153     -13.921      17.951
    11  23.475     -23.475     -17.951      22.646
    12  27.077     -27.077     -22.646      28.062
    13  30.878     -30.878     -28.062      34.237
    14  34.949     -34.949     -34.237      41.227
    15  39.222     -39.222     -41.227      49.071
    16  43.738     -43.738     -49.071      57.819
    17  48.461     -48.461     -57.819      67.511
    18  53.446     -53.446     -67.511      78.200
    19  57.104     -57.104     -78.200      89.621
    20  57.950     -57.950     -89.621      101.21
    21  55.935     -55.935     -101.21      112.40
    22  51.105     -51.105     -112.40      122.62
    23  45.517     -45.517     -122.62      131.72
    24  39.953     -39.953     -131.72      139.71
    25  34.385     -34.385     -139.71      146.59
    26  28.841     -28.841     -146.59      152.36
    27  23.280     -23.280     -152.36      157.01
    28  17.727     -17.727     -157.01      160.56
    29  12.143     -12.143     -160.56      162.99
    30  6.5518     -6.5518     -162.99      164.30
    31 0.90221    -0.90221     -164.30      164.48
    32 -4.7428     4.7428      -164.48      163.53
    33 -9.7540     9.7540      -163.53      161.58
    34 -14.124     14.124      -161.58      158.76
    35 -17.942     17.942      -158.76      155.17
    36 -21.202     21.202      -155.17      150.93
    37 -23.990     23.990      -150.93      146.13
    38 -26.299     26.299      -146.13      140.87
    39 -28.226     28.226      -140.87      135.22
    40 -29.749     29.749      -135.22      129.27
    41 -30.943     30.943      -129.27      123.08
    42 -31.802     31.802      -123.08      116.72
    43 -32.396     32.396      -116.72      110.24
    44 -32.717     32.717      -110.24      103.70
    45 -32.829     32.829      -103.70      97.136
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46	-32.687	32.687	-97.136	90.598
47	-32.336	32.336	-90.598	84.131
48	-31.774	31.774	-84.131	77.776
49	-31.063	31.063	-77.776	71.563
50	-30.196	30.196	-71.563	65.524
51	-29.229	29.229	-65.524	59.679
52	-28.153	28.153	-59.679	54.048
53	-27.020	27.020	-54.048	48.644
54	-25.828	25.828	-48.644	43.478
55	-24.612	24.612	-43.478	38.556
56	-23.358	23.358	-38.556	33.885
57	-22.107	22.107	-33.885	29.463
58	-20.843	20.843	-29.463	25.295
59	-19.603	19.603	-25.295	21.374
60	-18.368	18.368	-21.374	17.700
61	-17.184	17.184	-17.700	14.264
62	-16.018	16.018	-14.264	11.060
63	-14.901	14.901	-11.060	8.0799
64	-12.999	12.999	-8.0799	5.4802
65	-11.219	11.219	-5.4802	3.2365
66	-9.5425	9.5425	-3.2365	1.3280
67	-7.9964	7.9964	-1.3280	-0.27122
68	-6.5586	6.5586	0.27122	-1.5829
69	-5.2596	5.2596	1.5829	-2.6349
70	-4.0672	4.0672	2.6349	-3.4483
71	-3.0008	3.0008	3.4483	-4.0485
72	-2.0356	2.0356	4.0485	-4.4556
73	-1.1892	1.1892	4.4556	-4.6934
74	-0.43659	0.43659	4.6934	-4.7807
75	0.20601	-0.20601	4.7807	-4.7395
76	0.75566	-0.75566	4.7395	-4.5884
77	1.2044	-1.2044	4.5884	-4.3475
78	1.5762	-1.5762	4.3475	-4.0323
79	1.8555	-1.8555	4.0323	-3.6612
80	2.0654	-2.0654	3.6612	-3.2481
81	2.1901	-2.1901	3.2481	-2.8101
82	2.2515	-2.2515	2.8101	-2.3598
83	2.2335	-2.2335	2.3598	-1.9131
84	2.1499	-2.1499	1.9131	-1.4831
85	1.9912	-1.9912	1.4831	-1.0848
86	1.7768	-1.7768	1.0848	-0.72948
87	1.4900	-1.4900	0.72948	-0.43147
88	1.1490	-1.1490	0.43147	-0.20166
89	0.73702	-0.73702	0.20166	-5.42608E-02
90	0.27130	-0.27130	5.42608E-02	6.27082E-13

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                 Exe Time :29 July 2019      17:58:38                                              |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :29 July 2019      17:58:38                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM= 8234.     REMNOR=0.5331E-19 RATIO =0.2115     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.2115     RATIOR= 0.000
           MAX UN=0.1705E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM= 6.820     REMNOR=0.3431E-19 RATIO =0.6086E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.6086E-02 RATIOR= 0.000
           MAX UN=0.7367E-09 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-1.272     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM=0.1219     REMNOR=0.2700E-19 RATIO =0.8137E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.8137E-03 RATIOR= 0.000
           MAX UN=0.1607E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.3234     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM=0.1391E-16 REMNOR=0.3358E-19 RATIO =0.8692E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.8692E-11 RATIOR= 0.000
           MAX UN=0.1552E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1386E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.7289610E-03  -1.0766435E-03
    2   6.5136352E-03  -1.0766000E-03
    3   6.2983317E-03  -1.0763959E-03
    4   6.0830977E-03  -1.0758792E-03
    5   5.8680123E-03  -1.0748789E-03
    6   5.6531911E-03  -1.0732047E-03
    7   5.4387891E-03  -1.0706496E-03
    8   5.2250048E-03  -1.0669898E-03
    9   5.0120828E-03  -1.0619855E-03
   10   4.8003173E-03  -1.0553821E-03
   11   4.5900545E-03  -1.0469109E-03
   12   4.3816964E-03  -1.0362870E-03
   13   4.1757033E-03  -1.0232096E-03
   14   3.9725972E-03  -1.0073627E-03
   15   3.7729650E-03  -9.8841441E-04
   16   3.5774613E-03  -9.6601830E-04
   17   3.3866676E-03  -9.4197258E-04
   18   3.2006627E-03  -9.1807008E-04
   19   3.0194545E-03  -8.9394402E-04
   20   2.8431246E-03  -8.6922529E-04
   21   2.6718243E-03  -8.4360753E-04
   22   2.5057529E-03  -8.1691979E-04
   23   2.3451294E-03  -7.8913721E-04
   24   2.1901670E-03  -7.6033133E-04
   25   2.0410592E-03  -7.3060207E-04
   26   1.8979804E-03  -7.0006064E-04
   27   1.7610810E-03  -6.6882879E-04
   28   1.6304860E-03  -6.3703901E-04
   29   1.5062936E-03  -6.0483476E-04
   30   1.3885701E-03  -5.7236984E-04
   31   1.2773520E-03  -5.3980934E-04
   32   1.1726410E-03  -5.0732920E-04
   33   1.0744026E-03  -4.7511566E-04
   34   9.8256503E-04  -4.4334838E-04
   35   8.9702340E-04  -4.1218501E-04
   36   8.1764210E-04  -3.8176200E-04
   37   7.4426139E-04  -3.5219707E-04
   38   6.7669941E-04  -3.2359000E-04
   39   6.1475598E-04  -2.9602414E-04
   40   5.5821604E-04  -2.6956827E-04
   41   5.0685129E-04  -2.4427737E-04
   42   4.6042369E-04  -2.2019377E-04
   43   4.1869020E-04  -1.9734972E-04
   44   3.8139998E-04  -1.7576582E-04
   45   3.4829928E-04  -1.5545368E-04
   46   3.1913347E-04  -1.3641698E-04
   47   2.9364776E-04  -1.1865119E-04
   48   2.7158914E-04  -1.0214325E-04
   49   2.5270808E-04  -8.6872444E-05
   50   2.3675963E-04  -7.2811131E-05
   51   2.2350519E-04  -5.9926288E-05
   52   2.1271310E-04  -4.8179991E-05
   53   2.0415994E-04  -3.7530838E-05
   54   1.9763061E-04  -2.7934020E-05
   55   1.9291929E-04  -1.9342793E-05
   56   1.8982967E-04  -1.1708984E-05
   57   1.8817516E-04  -4.9833018E-06
   58   1.8777913E-04   8.8416579E-07
   59   1.8847495E-04   5.9434911E-06
   60   1.9010598E-04   1.0244526E-05
   61   1.9252549E-04   1.3836556E-05
   62   1.9559655E-04   1.6767782E-05
   63   1.9919168E-04   1.9085085E-05
   64   2.0319269E-04   2.0834079E-05
   65   2.0749124E-04   2.2072021E-05
   66   2.1199194E-04   2.2866479E-05
   67   2.1661249E-04   2.3280853E-05
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68	2.2128265E-04	2.3374255E-05
69	2.2594421E-04	2.3201431E-05
70	2.3054881E-04	2.2812529E-05
71	2.3505786E-04	2.2253168E-05
72	2.3944147E-04	2.1564703E-05
73	2.4367761E-04	2.0784331E-05
74	2.4775129E-04	1.9945221E-05
75	2.5165374E-04	1.9076655E-05
76	2.5538169E-04	1.8204185E-05
77	2.5893660E-04	1.7349614E-05
78	2.6232394E-04	1.6531157E-05
79	2.6555247E-04	1.5763786E-05
80	2.6863366E-04	1.5059375E-05
81	2.7158102E-04	1.4426849E-05
82	2.7440959E-04	1.3872310E-05
83	2.7713537E-04	1.3399153E-05
84	2.7977473E-04	1.3008174E-05
85	2.8234411E-04	1.2697476E-05
86	2.8485891E-04	1.2462605E-05
87	2.8733375E-04	1.2296680E-05
88	2.8978156E-04	1.2190509E-05
89	2.9221317E-04	1.2132595E-05
90	2.9463690E-04	1.2109166E-05
91	2.9705807E-04	1.2104185E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 17:58:38

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.831	-6.7290E-03	25.20	18.31	25.20	18.31	V-C	7276.	0.000	0.000	1.000	1.000	18.31	0.000	0.000	Strato1_2_8_L_0
2 D	3.106	-6.5136E-03	19.29	15.53	19.29	15.53	V-C	7276.	-0.2000	0.000	1.000	1.000	15.53	0.000	0.000	Strato1_2_8_L_0
3 D	3.291	-6.2983E-03	21.54	16.45	21.54	16.45	V-C	7276.	-0.4000	0.000	1.000	1.000	16.45	0.000	0.000	Strato1_2_8_L_0
4 D	3.910	-6.0831E-03	28.56	19.55	28.56	19.55	V-C	7276.	-0.6000	0.000	1.000	1.000	19.55	0.000	0.000	Strato1_2_8_L_0
5 D	4.114	-5.8680E-03	31.02	20.57	31.02	20.57	V-C	7276.	-0.8000	0.000	1.000	1.000	20.57	0.000	0.000	Strato1_2_8_L_0
6 D	4.599	-5.6532E-03	36.58	23.00	36.58	23.00	V-C	7276.	-1.000	0.000	1.000	1.000	23.00	0.000	0.000	Strato1_2_8_L_0
7 D	4.832	-5.4388E-03	39.36	24.16	39.36	24.16	V-C	7276.	-1.200	0.000	1.000	1.000	24.16	0.000	0.000	Strato1_2_8_L_0
8 D	5.266	-5.2250E-03	44.36	26.33	44.36	26.33	V-C	7276.	-1.400	0.000	1.000	1.000	26.33	0.000	0.000	Strato1_2_8_L_0
9 D	5.455	-5.0121E-03	46.68	27.28	46.68	27.28	V-C	7276.	-1.600	0.000	1.000	1.000	27.28	0.000	0.000	Strato1_2_8_L_0
10 D	5.868	-4.8003E-03	51.47	29.34	51.47	29.34	V-C	7276.	-1.800	0.000	1.000	1.000	29.34	0.000	0.000	Strato1_2_8_L_0
11 D	6.135	-4.5901E-03	54.65	30.67	54.65	30.67	V-C	7276.	-2.000	0.000	1.000	1.000	30.67	0.000	0.000	Strato1_2_8_L_0
12 D	6.526	-4.3817E-03	59.24	32.63	59.24	32.63	V-C	7276.	-2.200	0.000	1.000	1.000	32.63	0.000	0.000	Strato1_2_8_L_0
13 D	6.797	-4.1757E-03	62.51	33.98	62.51	33.98	V-C	7276.	-2.400	0.000	1.000	1.000	33.98	0.000	0.000	Strato1_2_8_L_0
14 D	7.172	-3.9726E-03	66.96	35.86	66.96	35.86	V-C	7276.	-2.600	0.000	1.000	1.000	35.86	0.000	0.000	Strato1_2_8_L_0
15 D	7.428	-3.7730E-03	70.29	37.14	70.29	37.25	UL-RL	2.1827E+04	-2.800	0.000	1.000	1.000	37.14	0.000	0.000	Strato1_2_8_L_0
16 D	7.565	-3.5775E-03	74.27	37.82	74.27	39.37	UL-RL	2.1827E+04	-3.000	0.000	1.000	1.000	37.82	0.000	0.000	Strato1_2_8_L_0
17 D	7.656	-3.3867E-03	77.68	38.28	77.68	41.17	UL-RL	2.1827E+04	-3.200	0.000	1.000	1.000	38.28	0.000	0.000	Strato1_2_8_L_0

18 D	7.793	-3.2007E-03	81.99	38.97	81.99	43.45	UL-RL	2.1827E+04	-3.400	0.000	1.000	1.000
38.97	0.000	0.000	Strato1_2_8_L_0									
19 D	7.871	-3.0195E-03	85.43	39.35	85.43	45.28	UL-RL	2.1827E+04	-3.600	0.000	1.000	1.000
39.35	0.000	0.000	Strato1_2_8_L_0									
20 D	7.993	-2.8431E-03	89.67	39.96	89.67	47.53	UL-RL	2.1827E+04	-3.800	0.000	1.000	1.000
39.96	0.000	0.000	Strato1_2_8_L_0									
21 D	8.064	-2.6718E-03	93.15	40.32	93.15	49.37	UL-RL	2.1827E+04	-4.000	0.000	1.000	1.000
40.32	0.000	0.000	Strato1_2_8_L_0									
22 D	8.177	-2.5058E-03	97.35	40.89	97.35	51.59	UL-RL	2.1827E+04	-4.200	0.000	1.000	1.000
40.89	0.000	0.000	Strato1_2_8_L_0									
23 D	8.248	-2.3451E-03	100.8	41.24	100.8	53.45	UL-RL	2.1827E+04	-4.400	0.000	1.000	1.000
41.24	0.000	0.000	Strato1_2_8_L_0									
24 D	8.344	-2.1902E-03	104.8	41.72	104.8	55.52	UL-RL	2.1827E+04	-4.600	0.000	1.000	1.000
41.72	0.000	0.000	Strato1_2_8_L_0									
25 D	8.419	-2.0411E-03	108.3	42.09	108.3	57.39	UL-RL	2.1827E+04	-4.800	0.000	1.000	1.000
42.09	0.000	0.000	Strato1_2_8_L_0									
26 D	8.533	-1.8980E-03	112.4	42.67	112.4	59.59	UL-RL	2.1827E+04	-5.000	0.000	1.000	1.000
42.67	0.000	0.000	Strato1_2_8_L_0									
27 D	8.615	-1.7611E-03	116.0	43.07	116.0	61.47	UL-RL	2.1827E+04	-5.200	0.000	1.000	1.000
43.07	0.000	0.000	Strato1_2_8_L_0									
28 D	8.735	-1.6305E-03	120.1	43.68	120.1	63.65	UL-RL	2.1827E+04	-5.400	0.000	1.000	1.000
43.68	0.000	0.000	Strato1_2_8_L_0									
29 D	8.826	-1.5063E-03	123.7	44.13	123.7	65.53	UL-RL	2.1827E+04	-5.600	0.000	1.000	1.000
44.13	0.000	0.000	Strato1_2_8_L_0									
30 D	8.955	-1.3886E-03	127.7	44.77	127.7	67.70	UL-RL	2.1827E+04	-5.800	0.000	1.000	1.000
44.77	0.000	0.000	Strato1_2_8_L_0									
31 D	9.045	-1.2774E-03	131.1	45.23	131.1	69.50	UL-RL	2.1827E+04	-6.000	0.000	1.000	1.000
45.23	0.000	0.000	Strato1_2_8_L_0									
32 D	9.212	-1.1726E-03	135.2	46.06	135.2	71.66	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000
46.06	0.000	0.000	Strato1_2_8_L_0									
33 D	10.02	-1.0744E-03	138.8	50.11	138.8	73.56	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
50.11	0.000	0.000	Strato1_2_8_L_0									
34 D	10.85	-9.8257E-04	142.9	54.26	142.9	75.71	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
54.26	0.000	0.000	Strato1_2_8_L_0									
35 D	11.61	-8.9702E-04	146.5	58.04	146.5	77.62	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
58.04	0.000	0.000	Strato1_2_8_L_0									
36 D	12.38	-8.1764E-04	150.5	61.92	150.5	79.76	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
61.92	0.000	0.000	Strato1_2_8_L_0									
37 D	13.09	-7.4426E-04	154.1	65.43	154.1	81.68	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
65.43	0.000	0.000	Strato1_2_8_L_0									
38 D	13.81	-6.7670E-04	158.1	69.04	158.1	83.81	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
69.04	0.000	0.000	Strato1_2_8_L_0									
39 D	14.45	-6.1476E-04	161.6	72.23	161.6	85.65	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
72.23	0.000	0.000	Strato1_2_8_L_0									
40 D	15.12	-5.5822E-04	165.6	75.60	165.6	87.78	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
75.60	0.000	0.000	Strato1_2_8_L_0									
41 D	15.73	-5.0685E-04	169.3	78.64	169.3	89.71	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
78.64	0.000	0.000	Strato1_2_8_L_0									
42 D	16.36	-4.6042E-04	173.3	81.78	173.3	91.83	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
81.78	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	-4.1869E-04	176.9	84.62	176.9	93.76	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
84.62	0.000	0.000	Strato1_2_8_L_0									
44 D	17.51	-3.8140E-04	180.9	87.55	180.9	95.88	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
87.55	0.000	0.000	Strato1_2_8_L_0									
45 D	18.04	-3.4830E-04	184.5	90.21	184.5	97.81	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
90.21	0.000	0.000	Strato1_2_8_L_0									
46 D	18.58	-3.1913E-04	188.4	92.89	188.4	99.86	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
92.89	0.000	0.000	Strato1_2_8_L_0									
47 D	19.08	-2.9365E-04	192.1	95.38	192.1	101.8	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
95.38	0.000	0.000	Strato1_2_8_L_0									
48 D	19.59	-2.7159E-04	196.0	97.97	196.0	103.9	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.97	0.000	0.000	Strato1_2_8_L_0									
49 D	20.07	-2.5271E-04	199.7	100.3	199.7	105.8	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.56	-2.3676E-04	203.7	102.8	203.7	107.9	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
102.8	0.000	0.000	Strato1_2_8_L_0									
51 D	21.00	-2.2351E-04	207.3	105.0	207.3	109.9	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
105.0	0.000	0.000	Strato1_2_8_L_0									
52 D	21.47	-2.1271E-04	211.3	107.3	211.3	112.0	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
107.3	0.000	0.000	Strato1_2_8_L_0									
53 D	21.90	-2.0416E-04	215.0	109.5	215.0	113.9	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
109.5	0.000	0.000	Strato1_2_8_L_0									
54 D	22.33	-1.9763E-04	218.8	111.7	218.8	116.0	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
111.7	0.000	0.000	Strato1_2_8_L_0									
55 D	22.74	-1.9292E-04	222.5	113.7	222.5	117.9	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
113.7	0.000	0.000	Strato1_2_8_L_0									
56 D	23.18	-1.8983E-04	226.5	115.9	226.5	120.0	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
115.9	0.000	0.000	Strato1_2_8_L_0									
57 D	23.57	-1.8818E-04	230.1	117.9	230.1	122.0	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
117.9	0.000	0.000	Strato1_2_8_L_0									
58 D	23.99	-1.8778E-04	234.1	120.0	234.1	124.1	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
120.0	0.000	0.000	Strato1_2_8_L_0									
59 D	24.38	-1.8847E-04	237.8	121.9	237.8	126.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
121.9	0.000	0.000	Strato1_2_8_L_0									
60 D	24.79	-1.9011E-04	241.7	124.0	241.7	128.1	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000

124.0	0.000	0.000	Strato1_2_8_L_0									
61 D	25.16	-1.9253E-04	245.3	125.8	245.3	130.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
125.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.57	-1.9560E-04	249.2	127.8	249.2	132.1	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
127.8	0.000	0.000	Strato1_2_8_L_0									
63 D	25.94	-1.9919E-04	252.9	129.7	252.9	134.1	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
129.7	0.000	0.000	Strato1_2_8_L_0									
64 D	23.18	-2.0319E-04	256.9	115.9	256.9	128.4	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000
115.9	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.51	-2.0749E-04	260.8	117.6	260.8	130.4	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000
117.6	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.87	-2.1199E-04	264.9	119.4	264.9	132.4	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000
119.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	24.20	-2.1661E-04	268.8	121.0	268.8	134.4	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
121.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.56	-2.2128E-04	272.9	122.8	272.9	136.5	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
122.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.88	-2.2594E-04	276.7	124.4	276.7	138.4	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.24	-2.3055E-04	280.8	126.2	280.8	140.4	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
126.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.57	-2.3506E-04	284.7	127.9	284.7	142.4	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
127.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.93	-2.3944E-04	288.9	129.6	288.9	144.4	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
129.6	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.27	-2.4368E-04	292.8	131.3	292.8	146.4	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
131.3	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.63	-2.4775E-04	296.9	133.1	296.9	148.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.1	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.97	-2.5165E-04	300.8	134.9	300.8	150.4	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
134.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.33	-2.5538E-04	304.8	136.6	304.8	152.4	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
136.6	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.68	-2.5894E-04	308.7	138.4	308.7	154.4	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
138.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.05	-2.6232E-04	312.9	140.2	312.9	156.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.2	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.40	-2.6555E-04	316.8	142.0	316.8	158.4	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.77	-2.6863E-04	320.9	143.8	320.9	160.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
143.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.13	-2.7158E-04	324.8	145.6	324.8	162.4	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
145.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.50	-2.7441E-04	328.9	147.5	328.9	164.4	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
147.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.86	-2.7714E-04	332.8	149.3	332.8	166.4	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.23	-2.7977E-04	336.8	151.1	336.8	168.4	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.59	-2.8234E-04	340.8	152.9	340.8	170.4	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
152.9	0.000	0.000	Strato2_3095_82743_L_0									
86 D	30.97	-2.8486E-04	344.9	154.8	344.9	172.4	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
154.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.33	-2.8733E-04	348.8	156.6	348.8	174.4	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.6	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.71	-2.8978E-04	352.9	158.5	352.9	176.4	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.5	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.07	-2.9221E-04	356.8	160.4	356.8	178.4	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.4	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.45	-2.9464E-04	360.9	162.3	360.9	180.4	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.3	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.40	-2.9706E-04	364.8	164.0	364.8	182.4	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
164.0	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      17:58:38                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	0.1155	3.0195E-03	1.900	0.5776	68.40	36.25	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
20 D	2.844	2.8431E-03	5.700	14.22	72.20	38.27	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000	14.22	0.000	0.000	Strato1_2_8_L_0
21 D	6.012	2.6718E-03	9.500	30.06	76.00	40.28	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000	30.06	0.000	0.000	Strato1_2_8_L_0
22 D	9.182	2.5058E-03	13.30	45.91	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000	45.91	0.000	0.000	Strato1_2_8_L_0
23 D	10.25	2.3451E-03	17.10	51.25	83.60	58.60	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000	51.25	0.000	0.000	Strato1_2_8_L_0
24 D	10.56	2.1902E-03	20.90	52.81	87.40	59.66	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000	52.81	0.000	0.000	Strato1_2_8_L_0
25 D	10.88	2.0411E-03	24.70	54.40	91.20	60.76	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000	54.40	0.000	0.000	Strato1_2_8_L_0
26 D	11.20	1.8980E-03	28.50	56.01	95.00	61.90	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000	56.01	0.000	0.000	Strato1_2_8_L_0
27 D	11.53	1.7611E-03	32.30	57.64	98.80	63.06	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000	57.64	0.000	0.000	Strato1_2_8_L_0
28 D	11.86	1.6305E-03	36.10	59.29	102.6	64.27	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000	59.29	0.000	0.000	Strato1_2_8_L_0
29 D	12.19	1.5063E-03	39.90	60.97	106.4	65.51	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000	60.97	0.000	0.000	Strato1_2_8_L_0
30 D	12.53	1.3886E-03	43.70	62.67	110.2	66.79	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000				

62.67	0.000	0.000	Strato1_2_8_L_0										
31 D	12.88	1.2774E-03	47.50	64.39	114.0	68.11	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000	
64.39	0.000	0.000	Strato1_2_8_L_0										
32 D	13.23	1.1726E-03	51.30	66.13	117.8	69.47	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000	
66.13	0.000	0.000	Strato1_2_8_L_0										
33 D	13.58	1.0744E-03	55.10	67.88	121.6	70.87	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000	
67.88	0.000	0.000	Strato1_2_8_L_0										
34 D	13.93	9.8257E-04	58.90	69.66	125.4	72.30	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000	
69.66	0.000	0.000	Strato1_2_8_L_0										
35 D	14.29	8.9702E-04	62.70	71.45	129.2	73.78	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000	
71.45	0.000	0.000	Strato1_2_8_L_0										
36 D	14.65	8.1764E-04	66.50	73.27	133.0	75.29	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000	
73.27	0.000	0.000	Strato1_2_8_L_0										
37 D	15.02	7.4426E-04	70.30	75.09	136.8	76.85	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000	
75.09	0.000	0.000	Strato1_2_8_L_0										
38 D	15.39	6.7670E-04	74.10	76.94	140.6	78.43	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000	
76.94	0.000	0.000	Strato1_2_8_L_0										
39 D	15.76	6.1476E-04	77.90	78.80	144.4	80.06	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000	
78.80	0.000	0.000	Strato1_2_8_L_0										
40 D	16.13	5.5822E-04	81.70	80.67	148.2	81.71	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000	
80.67	0.000	0.000	Strato1_2_8_L_0										
41 D	16.51	5.0685E-04	85.50	82.56	152.0	83.40	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000	
82.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.89	4.6042E-04	89.30	84.46	155.8	85.12	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000	
84.46	0.000	0.000	Strato1_2_8_L_0										
43 D	17.27	4.1869E-04	93.10	86.37	159.6	86.87	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000	
86.37	0.000	0.000	Strato1_2_8_L_0										
44 D	17.66	3.8140E-04	96.90	88.29	163.4	88.65	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000	
88.29	0.000	0.000	Strato1_2_8_L_0										
45 D	18.05	3.4830E-04	100.7	90.23	167.2	90.45	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000	
90.23	0.000	0.000	Strato1_2_8_L_0										
46 D	18.38	3.1913E-04	104.5	91.91	171.0	92.41	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000	
91.91	0.000	0.000	Strato1_2_8_L_0										
47 D	18.72	2.9365E-04	108.3	93.61	174.8	94.38	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000	
93.61	0.000	0.000	Strato1_2_8_L_0										
48 D	19.07	2.7159E-04	112.1	95.36	178.6	96.36	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000	
95.36	0.000	0.000	Strato1_2_8_L_0										
49 D	19.43	2.5271E-04	115.9	97.15	182.4	98.35	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000	
97.15	0.000	0.000	Strato1_2_8_L_0										
50 D	19.80	2.3676E-04	119.7	98.98	186.2	100.3	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000	
98.98	0.000	0.000	Strato1_2_8_L_0										
51 D	20.17	2.2351E-04	123.5	100.8	190.0	102.3	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	
100.8	0.000	0.000	Strato1_2_8_L_0										
52 D	20.55	2.1271E-04	127.3	102.7	193.8	104.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	
102.7	0.000	0.000	Strato1_2_8_L_0										
53 D	20.93	2.0416E-04	131.1	104.7	197.6	106.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000	
104.7	0.000	0.000	Strato1_2_8_L_0										
54 D	21.33	1.9763E-04	134.9	106.6	201.4	108.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000	
106.6	0.000	0.000	Strato1_2_8_L_0										
55 D	21.72	1.9292E-04	138.7	108.6	205.2	110.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000	
108.6	0.000	0.000	Strato1_2_8_L_0										
56 D	22.12	1.8983E-04	142.5	110.6	209.0	112.3	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000	
110.6	0.000	0.000	Strato1_2_8_L_0										
57 D	22.52	1.8818E-04	146.3	112.6	212.8	114.3	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000	
112.6	0.000	0.000	Strato1_2_8_L_0										
58 D	22.93	1.8778E-04	150.1	114.7	216.6	116.3	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000	
114.7	0.000	0.000	Strato1_2_8_L_0										
59 D	23.34	1.8847E-04	153.9	116.7	220.4	118.3	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000	
116.7	0.000	0.000	Strato1_2_8_L_0										
60 D	23.75	1.9011E-04	157.7	118.8	224.2	120.3	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato1_2_8_L_0										
61 D	24.17	1.9253E-04	161.5	120.8	228.0	122.3	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000	
120.8	0.000	0.000	Strato1_2_8_L_0										
62 D	24.58	1.9560E-04	165.3	122.9	231.8	124.3	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000	
122.9	0.000	0.000	Strato1_2_8_L_0										
63 D	25.00	1.9919E-04	169.1	125.0	235.6	126.3	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000	
125.0	0.000	0.000	Strato1_2_8_L_0										
64 D	21.71	2.0319E-04	172.9	108.5	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000	
108.5	0.000	0.000	Strato2_3095_82743_L_0										
65 D	22.14	2.0749E-04	176.9	110.7	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000	
110.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	22.57	2.1199E-04	180.9	112.9	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000	
112.9	0.000	0.000	Strato2_3095_82743_L_0										
67 D	23.01	2.1661E-04	184.9	115.0	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000	
115.0	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.45	2.2128E-04	188.9	117.2	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000	
117.2	0.000	0.000	Strato2_3095_82743_L_0										
69 D	23.88	2.2594E-04	192.9	119.4	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000	
119.4	0.000	0.000	Strato2_3095_82743_L_0										
70 D	24.32	2.3055E-04	196.9	121.6	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000	
121.6	0.000	0.000	Strato2_3095_82743_L_0										
71 D	24.75	2.3506E-04	200.9	123.8	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000	
123.8	0.000	0.000	Strato2_3095_82743_L_0										
72 D	25.18	2.3944E-04	204.9	125.9	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000	
125.9	0.000	0.000	Strato2_3095_82743_L_0										

73 D	25.62	2.4368E-04	208.9	128.1	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
128.1	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.05	2.4775E-04	212.9	130.2	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
130.2	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.48	2.5165E-04	216.9	132.4	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
132.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.91	2.5538E-04	220.9	134.5	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
134.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.33	2.5894E-04	224.9	136.7	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
136.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.76	2.6232E-04	228.9	138.8	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
138.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.18	2.6555E-04	232.9	140.9	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
140.9	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.61	2.6863E-04	236.9	143.0	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
143.0	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.03	2.7158E-04	240.9	145.2	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
145.2	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.45	2.7441E-04	244.9	147.3	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
147.3	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.87	2.7714E-04	248.9	149.4	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.29	2.7977E-04	252.9	151.5	319.4	159.7	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.5	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.71	2.8234E-04	256.9	153.6	323.4	161.7	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.6	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.13	2.8486E-04	260.9	155.7	327.4	163.7	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.55	2.8733E-04	264.9	157.8	331.4	165.7	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
157.8	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.97	2.8978E-04	268.9	159.9	335.4	167.7	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
159.9	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.39	2.9221E-04	272.9	161.9	339.4	169.7	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
161.9	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.81	2.9464E-04	276.9	164.0	343.4	171.7	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.0	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.61	2.9706E-04	280.9	166.1	347.4	173.7	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.1	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
|                                  Exe Time :29 July 2019      17:58:38                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.8313     -1.8313    -3.92009E-11 0.36626
    2  4.9373     -4.9373    -0.36626      1.3537
    3  8.2282     -8.2282     -1.3537      2.9994
    4  12.138     -12.138     -2.9994      5.4270
    5  16.252     -16.252     -5.4270      8.6775
    6  20.852     -20.852     -8.6775      12.848
    7  25.684     -25.684     -12.848      17.985
    8  30.950     -30.950     -17.985      24.174
    9  36.405     -36.405     -24.174      31.455
   10  42.273     -42.273     -31.455      39.910
   11  48.408     -48.408     -39.910      49.592
   12  54.934     -54.934     -49.592      60.578
   13  61.731     -61.731     -60.578      72.925
   14  68.903     -68.903     -72.925      86.705
   15  76.330     -76.330     -86.705      101.97
   16 -6.8443      6.8443     -101.97      100.60
   17 0.81165    -0.81165     -100.60      100.76
   18  8.6049     -8.6049     -100.76      102.49
   19  16.360     -16.360     -102.49      105.76
   20  21.509     -21.509     -105.76      110.06
   21  23.561     -23.561     -110.06      114.77
   22  22.557     -22.557     -114.77      119.28
   23  20.554     -20.554     -119.28      123.39
   24  18.336     -18.336     -123.39      127.06
   25  15.875     -15.875     -127.06      130.24
   26  13.207     -13.207     -130.24      132.88
   27  10.294     -10.294     -132.88      134.94
   28  7.1707     -7.1707     -134.94      136.37
   29  3.8028     -3.8028     -136.37      137.13
   30 0.22350    -0.22350     -137.13      137.18
   31 -3.6086     3.6086      -137.18      136.45
   32 -7.6215     7.6215      -136.45      134.93
   33 -11.176     11.176      -134.93      132.69
   34 -14.255     14.255      -132.69      129.84
   35 -16.938     16.938      -129.84      126.46
   36 -19.207     19.207      -126.46      122.61
   37 -21.140     21.140      -122.61      118.39
   38 -22.719     22.719      -118.39      113.84
   39 -24.031     24.031      -113.84      109.04
   40 -25.046     25.046      -109.04      104.03
   41 -25.828     25.828      -104.03      98.861
   42 -26.364     26.364      -98.861      93.589
   43 -26.713     26.713      -93.589      88.246
   44 -26.861     26.861      -88.246      82.874
   45 -26.864     26.864      -82.874      77.501
   46 -26.669     26.669      -77.501      72.167
   47 -26.315     26.315      -72.167      66.904
   48 -25.793     25.793      -66.904      61.746
   49 -25.158     25.158      -61.746      56.714
   50 -24.398     24.398      -56.714      51.834
   51 -23.565     23.565      -51.834      47.121
   52 -22.644     22.644      -47.121      42.593
   53 -21.683     21.683      -42.593      38.256
   54 -20.675     20.675      -38.256      34.121
   55 -19.654     19.654      -34.121      30.190
   56 -18.599     18.599      -30.190      26.470
   57 -17.551     17.551      -26.470      22.960
   58 -16.490     16.490      -22.960      19.662
   59 -15.451     15.451      -19.662      16.572
   60 -14.414     14.414      -16.572      13.689
   61 -13.421     13.421      -13.689      11.005
   62 -12.439     12.439      -11.005      8.5171
   63 -11.499     11.499      -8.5171      6.2173
```

64	-10.027	10.027	-6.2173	4.2118
65	-8.6533	8.6533	-4.2118	2.4811
66	-7.3568	7.3568	-2.4811	1.0098
67	-6.1635	6.1635	-1.0098	-0.22286
68	-5.0512	5.0512	0.22286	-1.2331
69	-4.0505	4.0505	1.2331	-2.0432
70	-3.1297	3.1297	2.0432	-2.6691
71	-2.3085	2.3085	2.6691	-3.1308
72	-1.5629	1.5629	3.1308	-3.4434
73	-0.91129	0.91129	3.4434	-3.6257
74	-0.32952	0.32952	3.6257	-3.6916
75	0.16513	-0.16513	3.6916	-3.6586
76	0.58878	-0.58878	3.6586	-3.5408
77	0.93249	-0.93249	3.5408	-3.3543
78	1.2193	-1.2193	3.3543	-3.1104
79	1.4328	-1.4328	3.1104	-2.8239
80	1.5951	-1.5951	2.8239	-2.5048
81	1.6899	-1.6899	2.5048	-2.1669
82	1.7382	-1.7382	2.1669	-1.8192
83	1.7234	-1.7234	1.8192	-1.4746
84	1.6588	-1.6588	1.4746	-1.1428
85	1.5345	-1.5345	1.1428	-0.83588
86	1.3697	-1.3697	0.83588	-0.56195
87	1.1473	-1.1473	0.56195	-0.33249
88	0.88544	-0.88544	0.33249	-0.15540
89	0.56719	-0.56719	0.15540	-4.19670E-02
90	0.20984	-0.20984	4.19670E-02	5.16356E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                   Exe Time :29 July 2019      17:58:38                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -6.74572E-04 -6.74572E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 6283.     REMNOR=0.3358E-19 RATIO =0.2053     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.2053     RATIOR= 0.000
           MAX UN= 17.66     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.1386E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 560.7     REMNOR=0.5341E-18 RATIO =0.6133E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.6133E-01 RATIOR= 0.000
           MAX UN= 6.514     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.9669E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 320.0     REMNOR=0.1165E-17 RATIO =0.4633E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.4633E-01 RATIOR= 0.000
           MAX UN= 6.925     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.6976E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 39.14     REMNOR=0.3555E-17 RATIO =0.1620E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.1620E-01 RATIOR= 0.000
           MAX UN= 4.244     IEQ=   105 NODE     53 DOF   1  Y-DISPL.F
           MIN UN=-.1002E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM=0.7543     REMNOR=0.1230E-17 RATIO =0.2249E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.2249E-02 RATIOR= 0.000
           MAX UN=0.8323     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN=-.8664E-01 IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1491E+06 RIMNOR=0.9513E+06
            RENORM=0.2987E-15 REMNOR=0.9245E-18 RATIO =0.4476E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 90.74      RMMAX = 137.2
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT    =0.1491E+06 RDR    =0.9513E+06
            RATIOT=0.4476E-10 RATIOR= 0.000
            MAX UN=0.5435E-08 IEQ=     67 NODE      34 DOF    1  Y-DISPL.F
            MIN UN=-.6455E-08 IEQ=     69 NODE      35 DOF    1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0



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|                    PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
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New Project
SOLUTION REACHED USING      6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F         X-ROT. F
            (02)              (04)            (
     1   3.1751438E-02  -2.1199777E-03
     2   3.1327444E-02  -2.1199595E-03
     3   3.0903459E-02  -2.1198771E-03
     4   3.0479501E-02  -2.1196715E-03
     5   3.0055603E-02  -2.1192705E-03
     6   2.9631812E-02  -2.1185880E-03
     7   2.9208193E-02  -2.1175264E-03
     8   2.8784834E-02  -2.1159761E-03
     9   2.8361843E-02  -2.1138164E-03
    10   2.7939357E-02  -2.1109157E-03
    11   2.7517536E-02  -2.1071325E-03
    12   2.7096573E-02  -2.1023135E-03
    13   2.6676690E-02  -2.0962944E-03
    14   2.6258147E-02  -2.0888995E-03
    15   2.5841235E-02  -2.0799418E-03
    16   2.5426287E-02  -2.0692233E-03
    17   2.5013448E-02  -2.0599638E-03
    18   2.4601991E-02  -2.0553727E-03
    19   2.4191003E-02  -2.0552193E-03
    20   2.3779623E-02  -2.0592622E-03
    21   2.3367036E-02  -2.0672485E-03
    22   2.2952478E-02  -2.0789143E-03
    23   2.2535243E-02  -2.0939848E-03
    24   2.2114679E-02  -2.1121736E-03
    25   2.1690187E-02  -2.1331843E-03
    26   2.1261237E-02  -2.1567093E-03
    27   2.0827357E-02  -2.1824299E-03
    28   2.0388141E-02  -2.2100164E-03
    29   1.9943251E-02  -2.2391281E-03
    30   1.9492414E-02  -2.2694133E-03
    31   1.9035432E-02  -2.3005091E-03
    32   1.8572181E-02  -2.3320418E-03
    33   1.8102612E-02  -2.3636269E-03
    34   1.7626753E-02  -2.3948691E-03
    35   1.7144716E-02  -2.4253616E-03
    36   1.6656689E-02  -2.4546871E-03
    37   1.6162948E-02  -2.4824169E-03
    38   1.5663858E-02  -2.5081112E-03
    39   1.5159869E-02  -2.5313195E-03
    40   1.4651529E-02  -2.5515800E-03
    41   1.4139468E-02  -2.5684207E-03
    42   1.3624410E-02  -2.5813583E-03
    43   1.3107207E-02  -2.5898978E-03
    44   1.2588781E-02  -2.5935341E-03
    45   1.2070158E-02  -2.5917508E-03
    46   1.1552475E-02  -2.5840569E-03
    47   1.1036955E-02  -2.5700598E-03
    48   1.0524888E-02  -2.5495020E-03
    49   1.0017602E-02  -2.5222608E-03
    50   9.5164310E-03  -2.4883482E-03
    51   9.0226981E-03  -2.4479111E-03
    52   8.5376779E-03  -2.4012306E-03
    53   8.0625894E-03  -2.3487242E-03
    54   7.5985427E-03  -2.2909008E-03
    55   7.1465478E-03  -2.2282953E-03
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    56   6.7075078E-03  -2.1614416E-03
    57   6.2822189E-03  -2.0908730E-03
    58   5.8713707E-03  -2.0171227E-03
    59   5.4755464E-03  -1.9407238E-03
    60   5.0952232E-03  -1.8621946E-03
    61   4.7307783E-03  -1.7820189E-03
    62   4.3824957E-03  -1.7006428E-03
    63   4.0505739E-03  -1.6184762E-03
    64   3.7351328E-03  -1.5358947E-03
    65   3.4362066E-03  -1.4534537E-03
    66   3.1536925E-03  -1.3718966E-03
    67   2.8873418E-03  -1.2919317E-03
    68   2.6367834E-03  -1.2141979E-03
    69   2.4014907E-03  -1.1392338E-03
    70   2.1808741E-03  -1.0675067E-03
    71   1.9742465E-03  -9.9940219E-04
    72   1.7808509E-03  -9.3523281E-04
    73   1.5998747E-03  -8.7524309E-04
    74   1.4304629E-03  -8.1961379E-04
    75   1.2717304E-03  -7.6846623E-04
    76   1.1227733E-03  -7.2186605E-04
    77   9.8267990E-04  -6.7982698E-04
    78   8.5054074E-04  -6.4231407E-04
    79   7.2545792E-04  -6.0924636E-04
    80   6.0655415E-04  -5.8049945E-04
    81   4.9298113E-04  -5.5590780E-04
    82   3.8392766E-04  -5.3526664E-04
    83   2.7862726E-04  -5.1833368E-04
    84   1.7636554E-04  -5.0483047E-04
    85   7.6482365E-05  -4.9444324E-04
    86  -2.1601415E-05  -4.8682576E-04
    87  -1.1840717E-04  -4.8159673E-04
    88  -2.1437176E-04  -4.7834246E-04
    89  -3.0984605E-04  -4.7661665E-04
    90  -4.0508840E-04  -4.7594056E-04
    91  -5.0025818E-04  -4.7580311E-04


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
 |                                                                                                           |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                          |
 |                                   Exe Time :29 July 2019      17:58:38                                    |
 +-----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

 0_L                                 :
 ELEMENT TYPE      5 NO.OF ELEMENTS. IN THIS GROUP    91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

   EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL       PORE        E FACTOR     UFACTOR
Peq            Su_a         Su_p      LAYER
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----------------------------------------------------------------------

    1 D  0.7661     -3.1751E-02   25.20        7.661       25.20       18.31          ACTIVE   0.000        0.000       0.000         1.000        1.000
7.661       0.000        0.000     Strato1_2_8_L_0
    2 D  1.173      -3.1327E-02   19.29        5.865       19.29       15.53          ACTIVE   0.000      -0.2000       0.000         1.000        1.000
5.865       0.000        0.000     Strato1_2_8_L_0
    3 D  1.310      -3.0903E-02   21.54        6.548       21.54       16.45          ACTIVE   0.000      -0.4000       0.000         1.000        1.000
6.548       0.000        0.000     Strato1_2_8_L_0
    4 D  1.737      -3.0480E-02   28.56        8.683       28.56       19.55          ACTIVE   0.000      -0.6000       0.000         1.000        1.000
8.683       0.000        0.000     Strato1_2_8_L_0
    5 D  1.886      -3.0056E-02   31.02        9.431       31.02       20.57          ACTIVE   0.000      -0.8000       0.000         1.000        1.000
9.431       0.000        0.000     Strato1_2_8_L_0
    6 D  2.224      -2.9632E-02   36.58       11.12        36.58       23.00          ACTIVE   0.000       -1.000        0.000         1.000        1.000
11.12       0.000        0.000     Strato1_2_8_L_0
    7 D  2.393      -2.9208E-02   39.36       11.96        39.36       24.16          ACTIVE   0.000       -1.200        0.000         1.000        1.000
11.96       0.000        0.000     Strato1_2_8_L_0
    8 D  2.697      -2.8785E-02   44.36       13.49        44.36       26.33          ACTIVE   0.000       -1.400        0.000         1.000        1.000
13.49       0.000        0.000     Strato1_2_8_L_0
    9 D  2.838      -2.8362E-02   46.68       14.19        46.68       27.28          ACTIVE   0.000       -1.600        0.000         1.000        1.000
14.19       0.000        0.000     Strato1_2_8_L_0
   10 D  3.129      -2.7939E-02   51.47       15.65        51.47       29.34          ACTIVE   0.000       -1.800        0.000         1.000        1.000
15.65       0.000        0.000     Strato1_2_8_L_0
   11 D  3.323      -2.7518E-02   54.65       16.61        54.65       30.67          ACTIVE   0.000       -2.000        0.000         1.000        1.000
16.61       0.000        0.000     Strato1_2_8_L_0
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12 D	3.602	-2.7097E-02	59.24	18.01	59.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000	
18.01	0.000	0.000	Strato1_2_8_L_0										
13 D	3.800	-2.6677E-02	62.51	19.00	62.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000	
19.00	0.000	0.000	Strato1_2_8_L_0										
14 D	4.071	-2.6258E-02	66.96	20.36	66.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000	
20.36	0.000	0.000	Strato1_2_8_L_0										
15 D	4.274	-2.5841E-02	70.29	21.37	70.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000	
21.37	0.000	0.000	Strato1_2_8_L_0										
16 D	4.516	-2.5426E-02	74.27	22.58	74.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000	
22.58	0.000	0.000	Strato1_2_8_L_0										
17 D	4.723	-2.5013E-02	77.68	23.61	77.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000	
23.61	0.000	0.000	Strato1_2_8_L_0										
18 D	4.985	-2.4602E-02	81.99	24.92	81.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000	
24.92	0.000	0.000	Strato1_2_8_L_0										
19 D	5.194	-2.4191E-02	85.43	25.97	85.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000	
25.97	0.000	0.000	Strato1_2_8_L_0										
20 D	5.452	-2.3780E-02	89.67	27.26	89.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000	
27.26	0.000	0.000	Strato1_2_8_L_0										
21 D	5.663	-2.3367E-02	93.15	28.32	93.15	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	
28.32	0.000	0.000	Strato1_2_8_L_0										
22 D	5.919	-2.2952E-02	97.35	29.59	97.35	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000	
29.59	0.000	0.000	Strato1_2_8_L_0										
23 D	6.131	-2.2535E-02	100.8	30.66	100.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000	
30.66	0.000	0.000	Strato1_2_8_L_0										
24 D	6.369	-2.2115E-02	104.8	31.85	104.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000	
31.85	0.000	0.000	Strato1_2_8_L_0										
25 D	6.584	-2.1690E-02	108.3	32.92	108.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000	
32.92	0.000	0.000	Strato1_2_8_L_0										
26 D	6.836	-2.1261E-02	112.4	34.18	112.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000	
34.18	0.000	0.000	Strato1_2_8_L_0										
27 D	7.051	-2.0827E-02	116.0	35.26	116.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000	
35.26	0.000	0.000	Strato1_2_8_L_0										
28 D	7.301	-2.0388E-02	120.1	36.51	120.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000	
36.51	0.000	0.000	Strato1_2_8_L_0										
29 D	7.518	-1.9943E-02	123.7	37.59	123.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000	
37.59	0.000	0.000	Strato1_2_8_L_0										
30 D	7.767	-1.9492E-02	127.7	38.83	127.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000	
38.83	0.000	0.000	Strato1_2_8_L_0										
31 D	7.972	-1.9035E-02	131.1	39.86	131.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
39.86	0.000	0.000	Strato1_2_8_L_0										
32 D	8.220	-1.8572E-02	135.2	41.10	135.2	71.66	ACTIVE	0.000	-6.200	0.000	1.000	1.000	
41.10	0.000	0.000	Strato1_2_8_L_0										
33 D	8.439	-1.8103E-02	138.8	42.19	138.8	73.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000	
42.19	0.000	0.000	Strato1_2_8_L_0										
34 D	8.685	-1.7627E-02	142.9	43.43	142.9	75.71	ACTIVE	0.000	-6.600	0.000	1.000	1.000	
43.43	0.000	0.000	Strato1_2_8_L_0										
35 D	8.905	-1.7145E-02	146.5	44.52	146.5	77.62	ACTIVE	0.000	-6.800	0.000	1.000	1.000	
44.52	0.000	0.000	Strato1_2_8_L_0										
36 D	9.150	-1.6657E-02	150.5	45.75	150.5	79.76	ACTIVE	0.000	-7.000	0.000	1.000	1.000	
45.75	0.000	0.000	Strato1_2_8_L_0										
37 D	9.370	-1.6163E-02	154.1	46.85	154.1	81.68	ACTIVE	0.000	-7.200	0.000	1.000	1.000	
46.85	0.000	0.000	Strato1_2_8_L_0										
38 D	9.615	-1.5664E-02	158.1	48.07	158.1	83.81	ACTIVE	0.000	-7.400	0.000	1.000	1.000	
48.07	0.000	0.000	Strato1_2_8_L_0										
39 D	9.826	-1.5160E-02	161.6	49.13	161.6	85.65	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
49.13	0.000	0.000	Strato1_2_8_L_0										
40 D	10.07	-1.4652E-02	165.6	50.35	165.6	87.78	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
41 D	10.29	-1.4139E-02	169.3	51.45	169.3	89.71	ACTIVE	0.000	-8.000	0.000	1.000	1.000	
51.45	0.000	0.000	Strato1_2_8_L_0										
42 D	10.53	-1.3624E-02	173.3	52.67	173.3	91.83	ACTIVE	0.000	-8.200	0.000	1.000	1.000	
52.67	0.000	0.000	Strato1_2_8_L_0										
43 D	10.76	-1.3107E-02	176.9	53.78	176.9	93.76	ACTIVE	0.000	-8.400	0.000	1.000	1.000	
53.78	0.000	0.000	Strato1_2_8_L_0										
44 D	11.00	-1.2589E-02	180.9	54.99	180.9	95.88	ACTIVE	0.000	-8.600	0.000	1.000	1.000	
54.99	0.000	0.000	Strato1_2_8_L_0										
45 D	11.22	-1.2070E-02	184.5	56.10	184.5	97.81	ACTIVE	0.000	-8.800	0.000	1.000	1.000	
56.10	0.000	0.000	Strato1_2_8_L_0										
46 D	11.46	-1.1552E-02	188.4	57.28	188.4	99.86	ACTIVE	0.000	-9.000	0.000	1.000	1.000	
57.28	0.000	0.000	Strato1_2_8_L_0										
47 D	11.68	-1.1037E-02	192.1	58.39	192.1	101.8	ACTIVE	0.000	-9.200	0.000	1.000	1.000	
58.39	0.000	0.000	Strato1_2_8_L_0										
48 D	11.92	-1.0525E-02	196.0	59.60	196.0	103.9	ACTIVE	0.000	-9.400	0.000	1.000	1.000	
59.60	0.000	0.000	Strato1_2_8_L_0										
49 D	12.14	-1.0018E-02	199.7	60.71	199.7	105.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000	
60.71	0.000	0.000	Strato1_2_8_L_0										
50 D	12.38	-9.5164E-03	203.7	61.92	203.7	107.9	ACTIVE	0.000	-9.800	0.000	1.000	1.000	
61.92	0.000	0.000	Strato1_2_8_L_0										
51 D	12.61	-9.0227E-03	207.3	63.03	207.3	109.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000	
63.03	0.000	0.000	Strato1_2_8_L_0										
52 D	12.85	-8.5377E-03	211.3	64.24	211.3	112.0	ACTIVE	0.000	-10.20	0.000	1.000	1.000	
64.24	0.000	0.000	Strato1_2_8_L_0										
53 D	13.07	-8.0626E-03	215.0	65.35	215.0	113.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000	
65.35	0.000	0.000	Strato1_2_8_L_0										
54 D	13.30	-7.5985E-03	218.8	66.52	218.8	116.0	ACTIVE	0.000	-10.60	0.000	1.000	1.000	

66.52	0.000	0.000	Strato1_2_8_L_0									
55 D	13.53	-7.1465E-03	222.5	67.64	222.5	117.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000
67.64	0.000	0.000	Strato1_2_8_L_0									
56 D	13.77	-6.7075E-03	226.5	68.84	226.5	120.0	ACTIVE	0.000	-11.00	0.000	1.000	1.000
68.84	0.000	0.000	Strato1_2_8_L_0									
57 D	13.99	-6.2822E-03	230.1	69.96	230.1	122.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000
69.96	0.000	0.000	Strato1_2_8_L_0									
58 D	14.23	-5.8714E-03	234.1	71.16	234.1	124.1	ACTIVE	0.000	-11.40	0.000	1.000	1.000
71.16	0.000	0.000	Strato1_2_8_L_0									
59 D	15.10	-5.4755E-03	237.8	75.48	237.8	126.0	UL-RL	8781.	-11.60	0.000	1.000	1.000
75.48	0.000	0.000	Strato1_2_8_L_0									
60 D	16.18	-5.0952E-03	241.7	80.88	241.7	128.1	UL-RL	8781.	-11.80	0.000	1.000	1.000
80.88	0.000	0.000	Strato1_2_8_L_0									
61 D	17.19	-4.7308E-03	245.3	85.95	245.3	130.0	UL-RL	8781.	-12.00	0.000	1.000	1.000
85.95	0.000	0.000	Strato1_2_8_L_0									
62 D	18.21	-4.3825E-03	249.2	91.06	249.2	132.1	UL-RL	8781.	-12.20	0.000	1.000	1.000
91.06	0.000	0.000	Strato1_2_8_L_0									
63 D	19.18	-4.0506E-03	252.9	95.88	252.9	134.1	UL-RL	8781.	-12.40	0.000	1.000	1.000
95.88	0.000	0.000	Strato1_2_8_L_0									
64 D	8.194	-3.7351E-03	256.9	40.97	256.9	128.4	ACTIVE	0.000	-12.60	0.000	1.000	1.000
40.97	0.000	0.000	Strato2_3095_82743_L_0									
65 D	8.377	-3.4362E-03	260.8	41.89	260.8	130.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000
41.89	0.000	0.000	Strato2_3095_82743_L_0									
66 D	9.256	-3.1537E-03	264.9	46.28	264.9	132.4	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000
46.28	0.000	0.000	Strato2_3095_82743_L_0									
67 D	10.93	-2.8873E-03	268.8	54.67	268.8	134.4	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000
54.67	0.000	0.000	Strato2_3095_82743_L_0									
68 D	12.56	-2.6368E-03	272.9	62.79	272.9	136.5	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000
62.79	0.000	0.000	Strato2_3095_82743_L_0									
69 D	14.07	-2.4015E-03	276.7	70.37	276.7	138.4	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000
70.37	0.000	0.000	Strato2_3095_82743_L_0									
70 D	15.55	-2.1809E-03	280.8	77.74	280.8	140.4	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000
77.74	0.000	0.000	Strato2_3095_82743_L_0									
71 D	16.93	-1.9742E-03	284.7	84.66	284.7	142.4	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000
84.66	0.000	0.000	Strato2_3095_82743_L_0									
72 D	18.27	-1.7809E-03	288.9	91.36	288.9	144.4	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000
91.36	0.000	0.000	Strato2_3095_82743_L_0									
73 D	19.53	-1.5999E-03	292.8	97.65	292.8	146.4	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000
97.65	0.000	0.000	Strato2_3095_82743_L_0									
74 D	20.75	-1.4305E-03	296.9	103.8	296.9	148.4	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000
103.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	21.90	-1.2717E-03	300.8	109.5	300.8	150.4	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.02	-1.1228E-03	304.8	115.1	304.8	152.4	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000
115.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.08	-9.8268E-04	308.7	120.4	308.7	154.4	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000
120.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	25.12	-8.5054E-04	312.9	125.6	312.9	156.4	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000
125.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.11	-7.2546E-04	316.8	130.6	316.8	158.4	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000
130.6	0.000	0.000	Strato2_3095_82743_L_0									
80 D	27.09	-6.0655E-04	320.9	135.5	320.9	160.4	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000
135.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.03	-4.9298E-04	324.8	140.1	324.8	162.4	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000
140.1	0.000	0.000	Strato2_3095_82743_L_0									
82 D	28.96	-3.8393E-04	328.9	144.8	328.9	164.4	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000
144.8	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.85	-2.7863E-04	332.8	149.3	332.8	166.4	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.74	-1.7637E-04	336.8	153.7	336.8	168.4	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.61	-7.6482E-05	340.8	158.1	340.8	170.4	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000
158.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.49	2.1601E-05	344.9	162.5	344.9	172.4	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000
162.5	0.000	0.000	Strato2_3095_82743_L_0									
87 D	33.35	1.1841E-04	348.8	166.7	348.8	174.4	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000
166.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.21	2.1437E-04	352.9	171.1	352.9	176.4	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000
171.1	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.06	3.0985E-04	356.8	175.3	356.8	178.4	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000
175.3	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.93	4.0509E-04	360.9	179.6	360.9	180.4	UL-RL	2.4840E+04	-17.80	0.000	1.000	1.000
179.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.29	5.0026E-04	364.8	182.9	364.8	182.9	V-C	8280.	-18.00	0.000	1.000	1.000
182.9	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                   Exe Time :29 July 2019      17:58:38                                                 |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000	0.000	0.000	not available										
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
45 D	1.536	1.2070E-02	1.900	7.678	167.2	90.45	PASSIVE	0.000	-8.800	0.000	1.000	1.000	
7.678	0.000	0.000	Strato1_2_8_L_0										
46 D	4.607	1.1552E-02	5.700	23.03	171.0	92.41	PASSIVE	0.000	-9.000	0.000	1.000	1.000	
23.03	0.000	0.000	Strato1_2_8_L_0										
47 D	7.678	1.1037E-02	9.500	38.39	174.8	94.38	PASSIVE	0.000	-9.200	0.000	1.000	1.000	
38.39	0.000	0.000	Strato1_2_8_L_0										
48 D	10.75	1.0525E-02	13.30	53.75	178.6	96.36	PASSIVE	0.000	-9.400	0.000	1.000	1.000	
53.75	0.000	0.000	Strato1_2_8_L_0										
49 D	13.82	1.0018E-02	17.10	69.10	182.4	98.35	PASSIVE	0.000	-9.600	0.000	1.000	1.000	
69.10	0.000	0.000	Strato1_2_8_L_0										
50 D	16.89	9.5164E-03	20.90	84.46	186.2	100.3	PASSIVE	0.000	-9.800	0.000	1.000	1.000	
84.46	0.000	0.000	Strato1_2_8_L_0										
51 D	19.96	9.0227E-03	24.70	99.81	190.0	102.3	PASSIVE	0.000	-10.00	0.000	1.000	1.000	
99.81	0.000	0.000	Strato1_2_8_L_0										
52 D	23.03	8.5377E-03	28.50	115.2	193.8	115.2	PASSIVE	0.000	-10.20	0.000	1.000	1.000	
115.2	0.000	0.000	Strato1_2_8_L_0										
53 D	24.34	8.0626E-03	32.30	121.7	197.6	121.7	V-C	2031.	-10.40	0.000	1.000	1.000	
121.7	0.000	0.000	Strato1_2_8_L_0										
54 D	24.55	7.5985E-03	36.10	122.8	201.4	122.8	V-C	2031.	-10.60	0.000	1.000	1.000	
122.8	0.000	0.000	Strato1_2_8_L_0										
55 D	24.77	7.1465E-03	39.90	123.9	205.2	123.9	V-C	2031.	-10.80	0.000	1.000	1.000	
123.9	0.000	0.000	Strato1_2_8_L_0										
56 D	24.99	6.7075E-03	43.70	125.0	209.0	125.0	V-C	2031.	-11.00	0.000	1.000	1.000	
125.0	0.000	0.000	Strato1_2_8_L_0										
57 D	25.22	6.2822E-03	47.50	126.1	212.8	126.1	V-C	2031.	-11.20	0.000	1.000	1.000	
126.1	0.000	0.000	Strato1_2_8_L_0										
58 D	25.46	5.8714E-03	51.30	127.3	216.6	127.3	V-C	2031.	-11.40	0.000	1.000	1.000	
127.3	0.000	0.000	Strato1_2_8_L_0										
59 D	25.70	5.4755E-03	55.10	128.5	220.4	128.5	V-C	2031.	-11.60	0.000	1.000	1.000	
128.5	0.000	0.000	Strato1_2_8_L_0										
60 D	25.95	5.0952E-03	58.90	129.7	224.2	129.7	V-C	2031.	-11.80	0.000	1.000	1.000	
129.7	0.000	0.000	Strato1_2_8_L_0										
61 D	26.21	4.7308E-03	62.70	131.0	228.0	131.0	V-C	2031.	-12.00	0.000	1.000	1.000	
131.0	0.000	0.000	Strato1_2_8_L_0										
62 D	26.47	4.3825E-03	66.50	132.3	231.8	132.3	V-C	2031.	-12.20	0.000	1.000	1.000	
132.3	0.000	0.000	Strato1_2_8_L_0										
63 D	26.74	4.0506E-03	70.30	133.7	235.6	133.7	V-C	2031.	-12.40	0.000	1.000	1.000	
133.7	0.000	0.000	Strato1_2_8_L_0										
64 D	24.02	3.7351E-03	74.10	120.1	239.4	120.1	V-C	4488.	-12.60	0.000	1.000	1.000	
120.1	0.000	0.000	Strato2_3095_82743_L_0										
65 D	23.87	3.4362E-03	78.10	119.3	243.4	121.7	UL-RL	1.3463E+04	-12.80	0.000	1.000	1.000	
119.3	0.000	0.000	Strato2_3095_82743_L_0										
66 D	23.59	3.1537E-03	82.10	118.0	247.4	123.7	UL-RL	1.3463E+04	-13.00	0.000	1.000	1.000	
118.0	0.000	0.000	Strato2_3095_82743_L_0										
67 D	23.35	2.8873E-03	86.10	116.8	251.4	125.7	UL-RL	1.3463E+04	-13.20	0.000	1.000	1.000	
116.8	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.15	2.6368E-03	90.10	115.8	255.4	127.7	UL-RL	1.3463E+04	-13.40	0.000	1.000	1.000	
115.8	0.000	0.000	Strato2_3095_82743_L_0										
69 D	22.99	2.4015E-03	94.10	115.0	259.4	129.7	UL-RL	1.3463E+04	-13.60	0.000	1.000	1.000	
115.0	0.000	0.000	Strato2_3095_82743_L_0										
70 D	22.87	2.1809E-03	98.10	114.3	263.4	131.7	UL-RL	1.3463E+04	-13.80	0.000	1.000	1.000	
114.3	0.000	0.000	Strato2_3095_82743_L_0										
71 D	22.78	1.9742E-03	102.1	113.9	267.4	133.7	UL-RL	1.3463E+04	-14.00	0.000	1.000	1.000	
113.9	0.000	0.000	Strato2_3095_82743_L_0										
72 D	22.72	1.7809E-03	106.1	113.6	271.4	135.7	UL-RL	1.3463E+04	-14.20	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										

73 D	22.70	1.5999E-03	110.1	113.5	275.4	137.7	UL-RL	1.3463E+04	-14.40	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	22.70	1.4305E-03	114.1	113.5	279.4	139.7	UL-RL	1.3463E+04	-14.60	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.73	1.2717E-03	118.1	113.6	283.4	141.7	UL-RL	1.3463E+04	-14.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	22.78	1.1228E-03	122.1	113.9	287.4	143.7	UL-RL	1.3463E+04	-15.00	0.000	1.000	1.000
113.9	0.000	0.000	Strato2_3095_82743_L_0									
77 D	22.85	9.8268E-04	126.1	114.3	291.4	145.7	UL-RL	1.3463E+04	-15.20	0.000	1.000	1.000
114.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	22.94	8.5054E-04	130.1	114.7	295.4	147.7	UL-RL	1.3463E+04	-15.40	0.000	1.000	1.000
114.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.05	7.2546E-04	134.1	115.3	299.4	149.7	UL-RL	1.3463E+04	-15.60	0.000	1.000	1.000
115.3	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.18	6.0655E-04	138.1	115.9	303.4	151.7	UL-RL	1.3463E+04	-15.80	0.000	1.000	1.000
115.9	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.31	4.9298E-04	142.1	116.6	307.4	153.7	UL-RL	1.3463E+04	-16.00	0.000	1.000	1.000
116.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.46	3.8393E-04	146.1	117.3	311.4	155.7	UL-RL	1.3463E+04	-16.20	0.000	1.000	1.000
117.3	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.62	2.7863E-04	150.1	118.1	315.4	157.7	UL-RL	1.3463E+04	-16.40	0.000	1.000	1.000
118.1	0.000	0.000	Strato2_3095_82743_L_0									
84 D	23.78	1.7637E-04	154.1	118.9	319.4	159.7	UL-RL	1.3463E+04	-16.60	0.000	1.000	1.000
118.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	23.95	7.6482E-05	158.1	119.7	323.4	161.7	UL-RL	1.3463E+04	-16.80	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	24.12	-2.1601E-05	162.1	120.6	327.4	163.7	UL-RL	1.3463E+04	-17.00	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	24.29	-1.1841E-04	166.1	121.5	331.4	165.7	UL-RL	1.3463E+04	-17.20	0.000	1.000	1.000
121.5	0.000	0.000	Strato2_3095_82743_L_0									
88 D	24.47	-2.1437E-04	170.1	122.3	335.4	167.7	UL-RL	1.3463E+04	-17.40	0.000	1.000	1.000
122.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	24.64	-3.0985E-04	174.1	123.2	339.4	169.7	UL-RL	1.3463E+04	-17.60	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
90 D	24.82	-4.0509E-04	178.1	124.1	343.4	171.7	UL-RL	1.3463E+04	-17.80	0.000	1.000	1.000
124.1	0.000	0.000	Strato2_3095_82743_L_0									
91 D	12.50	-5.0026E-04	182.1	125.0	347.4	173.7	UL-RL	1.3463E+04	-18.00	0.000	1.000	1.000
125.0	0.000	0.000	Strato2_3095_82743_L_0									

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 0.76608    -0.76608    -1.79601E-10 0.15322
    2  1.9391     -1.9391    -0.15322     0.54103
    3  3.2487     -3.2487    -0.54103      1.1908
    4  4.9853     -4.9853     -1.1908      2.1878
    5  6.8716     -6.8716     -2.1878      3.5621
    6  9.0954     -9.0954     -3.5621      5.3812
    7  11.488     -11.488     -5.3812      7.6789
    8  14.185     -14.185     -7.6789      10.516
    9  17.023     -17.023     -10.516      13.921
   10  20.153     -20.153     -13.921      17.951
   11  23.475     -23.475     -17.951      22.646
   12  27.077     -27.077     -22.646      28.062
   13  30.878     -30.878     -28.062      34.237
   14  34.949     -34.949     -34.237      41.227
   15  39.222     -39.222     -41.227      49.071
   16 -100.68      100.68     -49.071      28.935
   17 -95.959      95.959     -28.935      9.7433
   18 -90.974      90.974     -9.7433     -8.4515
   19 -85.780      85.780      8.4515     -25.608
   20 -80.328      80.328      25.608     -41.673
   21 -74.664      74.664      41.673     -56.606
   22 -68.746      68.746      56.606     -70.355
   23 -62.615      62.615      70.355     -82.878
   24 -56.245      56.245      82.878     -94.127
   25 -49.661      49.661      94.127     -104.06
   26 -42.825      42.825      104.06     -112.62
   27 -35.774      35.774      112.62     -119.78
   28 -28.473      28.473      119.78     -125.47
   29 -20.955      20.955      125.47     -129.66
   30 -13.188      13.188      129.66     -132.30
   31 -5.2156      5.2156      132.30     -133.35
   32  3.0046     -3.0046      133.35     -132.74
   33  11.443     -11.443      132.74     -130.46
   34  20.129     -20.129      130.46     -126.43
   35  29.033     -29.033      126.43     -120.62
   36  38.183     -38.183      120.62     -112.99
   37  47.553     -47.553      112.99     -103.48
   38  57.168     -57.168      103.48     -92.042
   39  66.994     -66.994      92.042     -78.644
   40  77.064     -77.064      78.644     -63.231
   41  87.355     -87.355      63.231     -45.760
   42  97.889     -97.889      45.760     -26.182
   43  108.65     -108.65      26.182     -4.4528
   44  119.64     -119.64      4.4528      19.476
   45  129.33     -129.33     -19.476      45.342
   46  136.18     -136.18     -45.342      72.577
   47  140.18     -140.18     -72.577      100.61
   48  141.35     -141.35     -100.61      128.88
   49  139.67     -139.67     -128.88      156.82
   50  135.16     -135.16     -156.82      183.85
   51  127.80     -127.80     -183.85      209.41
   52  117.62     -117.62     -209.41      232.93
   53  106.34     -106.34     -232.93      254.20
   54  95.094     -95.094     -254.20      273.22
   55  83.851     -83.851     -273.22      289.99
   56  72.626     -72.626     -289.99      304.52
   57  61.396     -61.396     -304.52      316.79
   58  50.170     -50.170     -316.79      326.83
   59  39.564     -39.564     -326.83      334.74
   60  29.791     -29.791     -334.74      340.70
   61  20.776     -20.776     -340.70      344.85
   62  12.519     -12.519     -344.85      347.36
   63  4.9566     -4.9566     -347.36      348.35
```

```
   64 -10.872      10.872     -348.35      346.18
   65 -26.365      26.365     -346.18      340.90
   66 -40.700      40.700     -340.90      332.76
   67 -53.118      53.118     -332.76      322.14
   68 -63.715      63.715     -322.14      309.40
   69 -72.635      72.635     -309.40      294.87
   70 -79.956      79.956     -294.87      278.88
   71 -85.804      85.804     -278.88      261.72
   72 -90.254      90.254     -261.72      243.67
   73 -93.419      93.419     -243.67      224.98
   74 -95.363      95.363     -224.98      205.91
   75 -96.184      96.184     -205.91      186.67
   76 -95.942      95.942     -186.67      167.49
   77 -94.711      94.711     -167.49      148.54
   78 -92.531      92.531     -148.54      130.04
   79 -89.472      89.472     -130.04      112.14
   80 -85.558      85.558     -112.14      95.031
   81 -80.847      80.847     -95.031      78.861
   82 -75.352      75.352     -78.861      63.791
   83 -69.118      69.118     -63.791      49.967
   84 -62.154      62.154     -49.967      37.536
   85 -54.490      54.490     -37.536      26.638
   86 -46.118      46.118     -26.638      17.414
   87 -37.065      37.065     -17.414      10.001
   88 -27.318      27.318     -10.001      4.5377
   89 -16.899      16.899     -4.5377      1.1580
   90 -5.7899      5.7899     -1.1580    -7.12883E-12


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      17:58:38                                             |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   149.51     -6.74572E-04  2.04298E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      17:58:38                                             |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1002E+07 RIMNOR=0.5249E+07
           RENORM=0.2568E+05 REMNOR=0.9245E-18 RATIO =0.1601     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 348.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1002E+07 RDR   =0.5249E+07
           RATIOT=0.1601     RATIOR= 0.000
           MAX UN= 1.060     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-160.0     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
```

```
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM= 3.981     REMNOR=0.1080E-17 RATIO =0.1994E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1994E-02 RATIOR= 0.000
            MAX UN= 1.023     IEQ=      3 NODE      2 DOF   1  Y-DISPL.F
            MIN UN=-.1182     IEQ=     89 NODE     45 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.6051     REMNOR=0.1038E-17 RATIO =0.7773E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.7773E-03 RATIOR= 0.000
            MAX UN=0.5748     IEQ=     21 NODE     11 DOF   1  Y-DISPL.F
            MIN UN=-.6542E-08 IEQ=     35 NODE     18 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.1118E-01 REMNOR=0.1352E-17 RATIO =0.1056E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1056E-03 RATIOR= 0.000
            MAX UN=0.1057     IEQ=     29 NODE     15 DOF   1  Y-DISPL.F
            MIN UN=-.3216E-02 IEQ=     89 NODE     45 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.3748E-15 REMNOR=0.1674E-17 RATIO =0.1935E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1935E-10 RATIOR= 0.000
            MAX UN=0.8070E-08 IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
            MIN UN=-.7462E-08 IEQ=      9 NODE      5 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3324042E-02  -2.5697399E-03
    2   3.2810095E-02  -2.5697145E-03
    3   3.2296162E-02  -2.5695960E-03
    4   3.1782269E-02  -2.5692966E-03
    5   3.1268462E-02  -2.5687151E-03
    6   3.0754810E-02  -2.5677367E-03
    7   3.0241403E-02  -2.5662349E-03
    8   2.9728360E-02  -2.5640712E-03
    9   2.9215828E-02  -2.5610959E-03
   10   2.8703986E-02  -2.5571488E-03
   11   2.8193045E-02  -2.5520593E-03
   12   2.7683251E-02  -2.5456453E-03
   13   2.7174888E-02  -2.5377137E-03
   14   2.6668280E-02  -2.5280598E-03
   15   2.6163793E-02  -2.5164679E-03
   16   2.5661837E-02  -2.5027111E-03
   17   2.5162639E-02  -2.4899930E-03
   18   2.4665558E-02  -2.4815026E-03
   19   2.4169775E-02  -2.4769677E-03
   20   2.3674527E-02  -2.4760983E-03
   21   2.3179112E-02  -2.4785860E-03
   22   2.2682890E-02  -2.4841043E-03
   23   2.2185291E-02  -2.4923089E-03
   24   2.1685814E-02  -2.5028374E-03
   25   2.1184029E-02  -2.5153105E-03
   26   2.0679587E-02  -2.5293313E-03
   27   2.0172221E-02  -2.5444855E-03
   28   1.9661746E-02  -2.5603414E-03
   29   1.9148070E-02  -2.5764505E-03
   30   1.8631182E-02  -2.5923471E-03
   31   1.8111177E-02  -2.6075491E-03
   32   1.7588242E-02  -2.6215579E-03
   33   1.7062668E-02  -2.6338594E-03
   34   1.6534848E-02  -2.6439232E-03
   35   1.6005287E-02  -2.6512036E-03
   36   1.5474592E-02  -2.6551398E-03
   37   1.4943492E-02  -2.6551559E-03
   38   1.4412830E-02  -2.6506619E-03
   39   1.3883568E-02  -2.6410536E-03
   40   1.3356793E-02  -2.6257140E-03
   41   1.2833709E-02  -2.6040131E-03
   42   1.2315645E-02  -2.5753081E-03
   43   1.1803831E-02  -2.5427691E-03
   44   1.1298585E-02  -2.5095537E-03
   45   1.0800103E-02  -2.4749868E-03
   46   1.0308726E-02  -2.4383867E-03
   47   9.8249246E-03  -2.3991361E-03
   48   9.3492800E-03  -2.3567538E-03
   49   8.8824570E-03  -2.3108984E-03
   50   8.4251680E-03  -2.2613678E-03
   51   7.9781589E-03  -2.2081016E-03
   52   7.5421667E-03  -2.1511798E-03
   53   7.1179114E-03  -2.0908255E-03
   54   6.7060439E-03  -2.0273602E-03
   55   6.3071511E-03  -1.9611387E-03
   56   5.9217481E-03  -1.8925222E-03
   57   5.5502773E-03  -1.8218790E-03
   58   5.1931066E-03  -1.7495848E-03
   59   4.8505279E-03  -1.6760227E-03
   60   4.5227570E-03  -1.6015686E-03
   61   4.2099367E-03  -1.5265715E-03
   62   3.9121433E-03  -1.4513498E-03
   63   3.6293924E-03  -1.3761932E-03
   64   3.3616442E-03  -1.3013640E-03
   65   3.1087978E-03  -1.2272709E-03
   66   2.8706489E-03  -1.1544826E-03
   67   2.6468811E-03  -1.0835486E-03
```

68	2.4370831E-03	-1.0149649E-03
69	2.2407216E-03	-9.4914332E-04
70	2.0572181E-03	-8.8643773E-04
71	1.8859197E-03	-8.2713447E-04
72	1.7261224E-03	-7.7146014E-04
73	1.5770823E-03	-7.1958569E-04
74	1.4380268E-03	-6.7163035E-04
75	1.3081642E-03	-6.2766516E-04
76	1.1866930E-03	-5.8771628E-04
77	1.0728109E-03	-5.5176824E-04
78	9.6572260E-04	-5.1976660E-04
79	8.6464726E-04	-4.9162025E-04
80	7.6882586E-04	-4.6720360E-04
81	6.7752773E-04	-4.4635843E-04
82	5.9005700E-04	-4.2889559E-04
83	5.0575858E-04	-4.1459634E-04
84	4.2402403E-04	-4.0321354E-04
85	3.4429309E-04	-3.9447238E-04
86	2.6607498E-04	-3.8807272E-04
87	1.8892974E-04	-3.8368688E-04
88	1.1248950E-04	-3.8096193E-04
89	3.6459476E-05	-3.7951941E-04
90	-3.9376844E-05	-3.7895554E-04
91	-1.1515271E-04	-3.7884124E-04

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	1.070	-3.3324E-02	35.20	10.70	35.20	18.31	ACTIVE	0.000	0.000	0.000	1.000	1.000
10.70	0.000	0.000	Strato1_2_8_L_0									
2 D	1.781	-3.2810E-02	29.29	8.905	29.29	15.53	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
8.905	0.000	0.000	Strato1_2_8_L_0									
3 D	1.918	-3.2296E-02	31.54	9.588	31.54	16.45	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
9.588	0.000	0.000	Strato1_2_8_L_0									
4 D	2.345	-3.1782E-02	38.56	11.72	38.56	19.55	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
11.72	0.000	0.000	Strato1_2_8_L_0									
5 D	2.494	-3.1268E-02	41.02	12.47	41.02	20.57	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
12.47	0.000	0.000	Strato1_2_8_L_0									
6 D	2.832	-3.0755E-02	46.58	14.16	46.58	23.00	ACTIVE	0.000	-1.000	0.000	1.000	1.000
14.16	0.000	0.000	Strato1_2_8_L_0									
7 D	3.001	-3.0241E-02	49.36	15.00	49.36	24.16	ACTIVE	0.000	-1.200	0.000	1.000	1.000
15.00	0.000	0.000	Strato1_2_8_L_0									
8 D	3.305	-2.9728E-02	54.36	16.53	54.36	26.33	ACTIVE	0.000	-1.400	0.000	1.000	1.000
16.53	0.000	0.000	Strato1_2_8_L_0									
9 D	3.446	-2.9216E-02	56.68	17.23	56.68	27.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000
17.23	0.000	0.000	Strato1_2_8_L_0									
10 D	3.737	-2.8704E-02	61.47	18.69	61.47	29.34	ACTIVE	0.000	-1.800	0.000	1.000	1.000
18.69	0.000	0.000	Strato1_2_8_L_0									
11 D	3.931	-2.8193E-02	64.65	19.65	64.65	30.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000
19.65	0.000	0.000	Strato1_2_8_L_0									
12 D	4.210	-2.7683E-02	69.24	21.05	69.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000
21.05	0.000	0.000	Strato1_2_8_L_0									
13 D	4.408	-2.7175E-02	72.51	22.04	72.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000
22.04	0.000	0.000	Strato1_2_8_L_0									
14 D	4.679	-2.6668E-02	76.96	23.40	76.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000
23.40	0.000	0.000	Strato1_2_8_L_0									
15 D	4.882	-2.6164E-02	80.29	24.41	80.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000
24.41	0.000	0.000	Strato1_2_8_L_0									
16 D	5.162	-2.5662E-02	84.27	25.81	84.27	39.37	UL-RL	8781.	-3.000	0.000	1.000	1.000
25.81	0.000	0.000	Strato1_2_8_L_0									
17 D	5.521	-2.5163E-02	87.68	27.60	87.68	41.17	UL-RL	8781.	-3.200	0.000	1.000	1.000
27.60	0.000	0.000	Strato1_2_8_L_0									

18 D	5.933	-2.4666E-02	91.99	29.67	91.99	43.45	UL-RL	8781.	-3.400	0.000	1.000	1.000
29.67	0.000	0.000	Strato1_2_8_L_0									
19 D	6.291	-2.4170E-02	95.43	31.46	95.43	45.28	UL-RL	8781.	-3.600	0.000	1.000	1.000
31.46	0.000	0.000	Strato1_2_8_L_0									
20 D	6.697	-2.3675E-02	99.67	33.48	99.67	47.53	UL-RL	8781.	-3.800	0.000	1.000	1.000
33.48	0.000	0.000	Strato1_2_8_L_0									
21 D	7.053	-2.3179E-02	103.1	35.27	103.1	49.37	UL-RL	8781.	-4.000	0.000	1.000	1.000
35.27	0.000	0.000	Strato1_2_8_L_0									
22 D	7.452	-2.2683E-02	107.3	37.26	107.3	51.59	UL-RL	8781.	-4.200	0.000	1.000	1.000
37.26	0.000	0.000	Strato1_2_8_L_0									
23 D	7.806	-2.2185E-02	110.8	39.03	110.8	53.45	UL-RL	8781.	-4.400	0.000	1.000	1.000
39.03	0.000	0.000	Strato1_2_8_L_0									
24 D	8.183	-2.1686E-02	114.8	40.91	114.8	55.52	UL-RL	8781.	-4.600	0.000	1.000	1.000
40.91	0.000	0.000	Strato1_2_8_L_0									
25 D	8.533	-2.1184E-02	118.3	42.66	118.3	57.39	UL-RL	8781.	-4.800	0.000	1.000	1.000
42.66	0.000	0.000	Strato1_2_8_L_0									
26 D	8.917	-2.0680E-02	122.4	44.59	122.4	59.59	UL-RL	8781.	-5.000	0.000	1.000	1.000
44.59	0.000	0.000	Strato1_2_8_L_0									
27 D	9.262	-2.0172E-02	126.0	46.31	126.0	61.47	UL-RL	8781.	-5.200	0.000	1.000	1.000
46.31	0.000	0.000	Strato1_2_8_L_0									
28 D	9.637	-1.9662E-02	130.1	48.19	130.1	63.65	UL-RL	8781.	-5.400	0.000	1.000	1.000
48.19	0.000	0.000	Strato1_2_8_L_0									
29 D	9.974	-1.9148E-02	133.7	49.87	133.7	65.53	UL-RL	8781.	-5.600	0.000	1.000	1.000
49.87	0.000	0.000	Strato1_2_8_L_0									
30 D	10.34	-1.8631E-02	137.7	51.70	137.7	67.70	UL-RL	8781.	-5.800	0.000	1.000	1.000
51.70	0.000	0.000	Strato1_2_8_L_0									
31 D	10.66	-1.8111E-02	141.1	53.28	141.1	69.50	UL-RL	8781.	-6.000	0.000	1.000	1.000
53.28	0.000	0.000	Strato1_2_8_L_0									
32 D	11.01	-1.7588E-02	145.2	55.04	145.2	71.66	UL-RL	8781.	-6.200	0.000	1.000	1.000
55.04	0.000	0.000	Strato1_2_8_L_0									
33 D	11.33	-1.7063E-02	148.8	56.63	148.8	73.56	UL-RL	8781.	-6.400	0.000	1.000	1.000
56.63	0.000	0.000	Strato1_2_8_L_0									
34 D	11.66	-1.6535E-02	152.9	58.31	152.9	75.71	UL-RL	8781.	-6.600	0.000	1.000	1.000
58.31	0.000	0.000	Strato1_2_8_L_0									
35 D	11.97	-1.6005E-02	156.5	59.83	156.5	77.62	UL-RL	8781.	-6.800	0.000	1.000	1.000
59.83	0.000	0.000	Strato1_2_8_L_0									
36 D	12.29	-1.5475E-02	160.5	61.43	160.5	79.76	UL-RL	8781.	-7.000	0.000	1.000	1.000
61.43	0.000	0.000	Strato1_2_8_L_0									
37 D	12.57	-1.4943E-02	164.1	62.86	164.1	81.68	UL-RL	8781.	-7.200	0.000	1.000	1.000
62.86	0.000	0.000	Strato1_2_8_L_0									
38 D	12.87	-1.4413E-02	168.1	64.36	168.1	83.81	UL-RL	8781.	-7.400	0.000	1.000	1.000
64.36	0.000	0.000	Strato1_2_8_L_0									
39 D	13.13	-1.3884E-02	171.6	65.64	171.6	85.65	UL-RL	8781.	-7.600	0.000	1.000	1.000
65.64	0.000	0.000	Strato1_2_8_L_0									
40 D	13.40	-1.3357E-02	175.6	67.02	175.6	87.78	UL-RL	8781.	-7.800	0.000	1.000	1.000
67.02	0.000	0.000	Strato1_2_8_L_0									
41 D	13.64	-1.2834E-02	179.3	68.22	179.3	89.71	UL-RL	8781.	-8.000	0.000	1.000	1.000
68.22	0.000	0.000	Strato1_2_8_L_0									
42 D	13.89	-1.2316E-02	183.3	69.46	183.3	91.83	UL-RL	8781.	-8.200	0.000	1.000	1.000
69.46	0.000	0.000	Strato1_2_8_L_0									
43 D	14.10	-1.1804E-02	186.9	70.52	186.9	93.76	UL-RL	8781.	-8.400	0.000	1.000	1.000
70.52	0.000	0.000	Strato1_2_8_L_0									
44 D	14.32	-1.1299E-02	190.9	71.62	190.9	95.88	UL-RL	8781.	-8.600	0.000	1.000	1.000
71.62	0.000	0.000	Strato1_2_8_L_0									
45 D	14.51	-1.0800E-02	194.5	72.55	194.5	97.81	UL-RL	8781.	-8.800	0.000	1.000	1.000
72.55	0.000	0.000	Strato1_2_8_L_0									
46 D	14.70	-1.0309E-02	198.4	73.50	198.4	99.86	UL-RL	8781.	-9.000	0.000	1.000	1.000
73.50	0.000	0.000	Strato1_2_8_L_0									
47 D	14.87	-9.8249E-03	202.1	74.33	202.1	101.8	UL-RL	8781.	-9.200	0.000	1.000	1.000
74.33	0.000	0.000	Strato1_2_8_L_0									
48 D	15.04	-9.3493E-03	206.0	75.22	206.0	103.9	UL-RL	8781.	-9.400	0.000	1.000	1.000
75.22	0.000	0.000	Strato1_2_8_L_0									
49 D	15.20	-8.8825E-03	209.7	75.98	209.7	105.8	UL-RL	8781.	-9.600	0.000	1.000	1.000
75.98	0.000	0.000	Strato1_2_8_L_0									
50 D	15.36	-8.4252E-03	213.7	76.80	213.7	107.9	UL-RL	8781.	-9.800	0.000	1.000	1.000
76.80	0.000	0.000	Strato1_2_8_L_0									
51 D	15.50	-7.9782E-03	217.3	77.50	217.3	109.9	UL-RL	8781.	-10.00	0.000	1.000	1.000
77.50	0.000	0.000	Strato1_2_8_L_0									
52 D	15.66	-7.5422E-03	221.3	78.28	221.3	112.0	UL-RL	8781.	-10.20	0.000	1.000	1.000
78.28	0.000	0.000	Strato1_2_8_L_0									
53 D	15.79	-7.1179E-03	225.0	78.95	225.0	113.9	UL-RL	8781.	-10.40	0.000	1.000	1.000
78.95	0.000	0.000	Strato1_2_8_L_0									
54 D	15.93	-6.7060E-03	228.8	79.66	228.8	116.0	UL-RL	8781.	-10.60	0.000	1.000	1.000
79.66	0.000	0.000	Strato1_2_8_L_0									
55 D	16.06	-6.3072E-03	232.5	80.31	232.5	117.9	UL-RL	8781.	-10.80	0.000	1.000	1.000
80.31	0.000	0.000	Strato1_2_8_L_0									
56 D	16.21	-5.9217E-03	236.5	81.04	236.5	120.0	UL-RL	8781.	-11.00	0.000	1.000	1.000
81.04	0.000	0.000	Strato1_2_8_L_0									
57 D	16.34	-5.5503E-03	240.1	81.69	240.1	122.0	UL-RL	8781.	-11.20	0.000	1.000	1.000
81.69	0.000	0.000	Strato1_2_8_L_0									
58 D	16.48	-5.1931E-03	244.1	82.42	244.1	124.1	UL-RL	8781.	-11.40	0.000	1.000	1.000
82.42	0.000	0.000	Strato1_2_8_L_0									
59 D	17.25	-4.8505E-03	247.8	86.26	247.8	126.0	UL-RL	8781.	-11.60	0.000	1.000	1.000
86.26	0.000	0.000	Strato1_2_8_L_0									
60 D	18.24	-4.5228E-03	251.7	91.21	251.7	128.1	UL-RL	8781.	-11.80	0.000	1.000	1.000

91.21	0.000	0.000	Strato1_2_8_L_0									
61 D	19.17	-4.2099E-03	255.3	95.83	255.3	130.0	UL-RL	8781.	-12.00	0.000	1.000	1.000
95.83	0.000	0.000	Strato1_2_8_L_0									
62 D	20.10	-3.9121E-03	259.2	100.5	259.2	132.1	UL-RL	8781.	-12.20	0.000	1.000	1.000
100.5	0.000	0.000	Strato1_2_8_L_0									
63 D	20.98	-3.6294E-03	262.9	104.9	262.9	134.1	UL-RL	8781.	-12.40	0.000	1.000	1.000
104.9	0.000	0.000	Strato1_2_8_L_0									
64 D	11.05	-3.3616E-03	266.9	55.25	266.9	128.4	UL-RL	2.4840E+04	-12.60	0.000	1.000	1.000
55.25	0.000	0.000	Strato2_3095_82743_L_0									
65 D	11.00	-3.1088E-03	270.8	55.02	270.8	130.4	UL-RL	2.4840E+04	-12.80	0.000	1.000	1.000
55.02	0.000	0.000	Strato2_3095_82743_L_0									
66 D	11.66	-2.8706E-03	274.9	58.31	274.9	132.4	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000
58.31	0.000	0.000	Strato2_3095_82743_L_0									
67 D	13.13	-2.6469E-03	278.8	65.65	278.8	134.4	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000
65.65	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.55	-2.4371E-03	282.9	72.75	282.9	136.5	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000
72.75	0.000	0.000	Strato2_3095_82743_L_0									
69 D	15.87	-2.2407E-03	286.7	79.36	286.7	138.4	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000
79.36	0.000	0.000	Strato2_3095_82743_L_0									
70 D	17.16	-2.0572E-03	290.8	85.81	290.8	140.4	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000
85.81	0.000	0.000	Strato2_3095_82743_L_0									
71 D	18.37	-1.8859E-03	294.7	91.85	294.7	142.4	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000
91.85	0.000	0.000	Strato2_3095_82743_L_0									
72 D	19.54	-1.7261E-03	298.9	97.72	298.9	144.4	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000
97.72	0.000	0.000	Strato2_3095_82743_L_0									
73 D	20.64	-1.5771E-03	302.8	103.2	302.8	146.4	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000
103.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	21.72	-1.4380E-03	306.9	108.6	306.9	148.4	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000
108.6	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.72	-1.3082E-03	310.8	113.6	310.8	150.4	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.70	-1.1867E-03	314.8	118.5	314.8	152.4	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000
118.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.63	-1.0728E-03	318.7	123.2	318.7	154.4	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
78 D	25.55	-9.6572E-04	322.9	127.8	322.9	156.4	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000
127.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.42	-8.6465E-04	326.8	132.1	326.8	158.4	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	27.28	-7.6883E-04	330.9	136.4	330.9	160.4	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.11	-6.7753E-04	334.8	140.5	334.8	162.4	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000
140.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	28.93	-5.9006E-04	338.9	144.7	338.9	164.4	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000
144.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.72	-5.0576E-04	342.8	148.6	342.8	166.4	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000
148.6	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.51	-4.2402E-04	346.8	152.6	346.8	168.4	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000
152.6	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.28	-3.4429E-04	350.8	156.4	350.8	170.4	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000
156.4	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.06	-2.6607E-04	354.9	160.3	354.9	172.4	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000
160.3	0.000	0.000	Strato2_3095_82743_L_0									
87 D	32.82	-1.8893E-04	358.8	164.1	358.8	174.4	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000
164.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	33.59	-1.1249E-04	362.9	167.9	362.9	176.4	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000
167.9	0.000	0.000	Strato2_3095_82743_L_0									
89 D	34.34	-3.6459E-05	366.8	171.7	366.8	180.3	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000
171.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.11	3.9377E-05	370.9	175.6	370.9	184.6	UL-RL	2.4840E+04	-17.80	0.000	1.000	1.000
175.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	17.83	1.1515E-04	374.8	178.3	374.8	187.9	UL-RL	2.4840E+04	-18.00	0.000	1.000	1.000
178.3	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                      NewProject.BaseDesignSection_28.Nominal_63                           |
|                                  Exe Time :29 July 2019      17:58:38                                      |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    2

0_R                             :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      5.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

```
0.000      0.000      0.000     not available
  31   0.000      --        --          --        --        --      REMOVED    --     -6.000     0.000     1.000     1.000
0.000      0.000      0.000     not available
  32   0.000      --        --          --        --        --      REMOVED    --     -6.200     0.000     1.000     1.000
0.000      0.000      0.000     not available
  33   0.000      --        --          --        --        --      REMOVED    --     -6.400     0.000     1.000     1.000
0.000      0.000      0.000     not available
  34   0.000      --        --          --        --        --      REMOVED    --     -6.600     0.000     1.000     1.000
0.000      0.000      0.000     not available
  35   0.000      --        --          --        --        --      REMOVED    --     -6.800     0.000     1.000     1.000
0.000      0.000      0.000     not available
  36   0.000      --        --          --        --        --      REMOVED    --     -7.000     0.000     1.000     1.000
0.000      0.000      0.000     not available
  37   0.000      --        --          --        --        --      REMOVED    --     -7.200     0.000     1.000     1.000
0.000      0.000      0.000     not available
  38   0.000      --        --          --        --        --      REMOVED    --     -7.400     0.000     1.000     1.000
0.000      0.000      0.000     not available
  39   0.000      --        --          --        --        --      REMOVED    --     -7.600     0.000     1.000     1.000
0.000      0.000      0.000     not available
  40   0.000      --        --          --        --        --      REMOVED    --     -7.800     0.000     1.000     1.000
0.000      0.000      0.000     not available
  41   0.000      --        --          --        --        --      REMOVED    --     -8.000     0.000     1.000     1.000
0.000      0.000      0.000     not available
  42   0.000      --        --          --        --        --      REMOVED    --     -8.200     0.000     1.000     1.000
0.000      0.000      0.000     not available
  43   0.000      --        --          --        --        --      REMOVED    --     -8.400     0.000     1.000     1.000
0.000      0.000      0.000     not available
  44   0.000      --        --          --        --        --      REMOVED    --     -8.600     0.000     1.000     1.000
0.000      0.000      0.000     not available
  45 D 0.1191   1.0800E-02  1.900      0.5955     167.2     90.45     UL-RL  6094.     -8.800     0.000     1.000     1.000
0.5955     0.000      0.000     Strato1_2_8_L_0
  46 D 3.091    1.0309E-02  5.700      15.45      171.0     92.41     UL-RL  6094.     -9.000     0.000     1.000     1.000
15.45      0.000      0.000     Strato1_2_8_L_0
  47 D 6.201    9.8249E-03  9.500      31.00      174.8     94.38     UL-RL  6094.     -9.200     0.000     1.000     1.000
31.00      0.000      0.000     Strato1_2_8_L_0
  48 D 9.316    9.3493E-03  13.30      46.58      178.6     96.36     UL-RL  6094.     -9.400     0.000     1.000     1.000
46.58      0.000      0.000     Strato1_2_8_L_0
  49 D 12.44    8.8825E-03  17.10      62.18      182.4     98.35     UL-RL  6094.     -9.600     0.000     1.000     1.000
62.18      0.000      0.000     Strato1_2_8_L_0
  50 D 15.56    8.4252E-03  20.90      77.81      186.2     100.3     UL-RL  6094.     -9.800     0.000     1.000     1.000
77.81      0.000      0.000     Strato1_2_8_L_0
  51 D 18.69    7.9782E-03  24.70      93.45      190.0     102.3     UL-RL  6094.     -10.00     0.000     1.000     1.000
93.45      0.000      0.000     Strato1_2_8_L_0
  52 D 21.82    7.5422E-03  28.50      109.1      193.8     115.2     UL-RL  6094.     -10.20     0.000     1.000     1.000
109.1      0.000      0.000     Strato1_2_8_L_0
  53 D 23.19    7.1179E-03  32.30      116.0      197.6     121.7     UL-RL  6094.     -10.40     0.000     1.000     1.000
116.0      0.000      0.000     Strato1_2_8_L_0
  54 D 23.47    6.7060E-03  36.10      117.3      201.4     122.8     UL-RL  6094.     -10.60     0.000     1.000     1.000
117.3      0.000      0.000     Strato1_2_8_L_0
  55 D 23.75    6.3072E-03  39.90      118.7      205.2     123.9     UL-RL  6094.     -10.80     0.000     1.000     1.000
118.7      0.000      0.000     Strato1_2_8_L_0
  56 D 24.04    5.9217E-03  43.70      120.2      209.0     125.0     UL-RL  6094.     -11.00     0.000     1.000     1.000
120.2      0.000      0.000     Strato1_2_8_L_0
  57 D 24.33    5.5503E-03  47.50      121.7      212.8     126.1     UL-RL  6094.     -11.20     0.000     1.000     1.000
121.7      0.000      0.000     Strato1_2_8_L_0
  58 D 24.63    5.1931E-03  51.30      123.2      216.6     127.3     UL-RL  6094.     -11.40     0.000     1.000     1.000
123.2      0.000      0.000     Strato1_2_8_L_0
  59 D 24.94    4.8505E-03  55.10      124.7      220.4     128.5     UL-RL  6094.     -11.60     0.000     1.000     1.000
124.7      0.000      0.000     Strato1_2_8_L_0
  60 D 25.25    4.5228E-03  58.90      126.3      224.2     129.7     UL-RL  6094.     -11.80     0.000     1.000     1.000
126.3      0.000      0.000     Strato1_2_8_L_0
  61 D 25.57    4.2099E-03  62.70      127.9      228.0     131.0     UL-RL  6094.     -12.00     0.000     1.000     1.000
127.9      0.000      0.000     Strato1_2_8_L_0
  62 D 25.90    3.9121E-03  66.50      129.5      231.8     132.3     UL-RL  6094.     -12.20     0.000     1.000     1.000
129.5      0.000      0.000     Strato1_2_8_L_0
  63 D 26.23    3.6294E-03  70.30      131.1      235.6     133.7     UL-RL  6094.     -12.40     0.000     1.000     1.000
131.1      0.000      0.000     Strato1_2_8_L_0
  64 D 23.02    3.3616E-03  74.10      115.1      239.4     120.1     UL-RL 1.3463E+04 -12.60     0.000     1.000     1.000
115.1      0.000      0.000     Strato2_3095_82743_L_0
  65 D 22.99    3.1088E-03  78.10      114.9      243.4     121.7     UL-RL 1.3463E+04 -12.80     0.000     1.000     1.000
114.9      0.000      0.000     Strato2_3095_82743_L_0
  66 D 22.83    2.8706E-03  82.10      114.1      247.4     123.7     UL-RL 1.3463E+04 -13.00     0.000     1.000     1.000
114.1      0.000      0.000     Strato2_3095_82743_L_0
  67 D 22.71    2.6469E-03  86.10      113.5      251.4     125.7     UL-RL 1.3463E+04 -13.20     0.000     1.000     1.000
113.5      0.000      0.000     Strato2_3095_82743_L_0
  68 D 22.62    2.4371E-03  90.10      113.1      255.4     127.7     UL-RL 1.3463E+04 -13.40     0.000     1.000     1.000
113.1      0.000      0.000     Strato2_3095_82743_L_0
  69 D 22.56    2.2407E-03  94.10      112.8      259.4     129.7     UL-RL 1.3463E+04 -13.60     0.000     1.000     1.000
112.8      0.000      0.000     Strato2_3095_82743_L_0
  70 D 22.54    2.0572E-03  98.10      112.7      263.4     131.7     UL-RL 1.3463E+04 -13.80     0.000     1.000     1.000
112.7      0.000      0.000     Strato2_3095_82743_L_0
  71 D 22.54    1.8859E-03  102.1      112.7      267.4     133.7     UL-RL 1.3463E+04 -14.00     0.000     1.000     1.000
112.7      0.000      0.000     Strato2_3095_82743_L_0
  72 D 22.57    1.7261E-03  106.1      112.9      271.4     135.7     UL-RL 1.3463E+04 -14.20     0.000     1.000     1.000
112.9      0.000      0.000     Strato2_3095_82743_L_0
```

73 D	22.63	1.5771E-03	110.1	113.2	275.4	137.7	UL-RL	1.3463E+04	-14.40	0.000	1.000	1.000	113.2
0.000	0.000	Strato2_3095_82743_L_0											
74 D	22.72	1.4380E-03	114.1	113.6	279.4	139.7	UL-RL	1.3463E+04	-14.60	0.000	1.000	1.000	113.6
0.000	0.000	Strato2_3095_82743_L_0											
75 D	22.82	1.3082E-03	118.1	114.1	283.4	141.7	UL-RL	1.3463E+04	-14.80	0.000	1.000	1.000	114.1
0.000	0.000	Strato2_3095_82743_L_0											
76 D	22.95	1.1867E-03	122.1	114.7	287.4	143.7	UL-RL	1.3463E+04	-15.00	0.000	1.000	1.000	114.7
0.000	0.000	Strato2_3095_82743_L_0											
77 D	23.09	1.0728E-03	126.1	115.5	291.4	145.7	UL-RL	1.3463E+04	-15.20	0.000	1.000	1.000	115.5
0.000	0.000	Strato2_3095_82743_L_0											
78 D	23.25	9.6572E-04	130.1	116.3	295.4	147.7	UL-RL	1.3463E+04	-15.40	0.000	1.000	1.000	116.3
0.000	0.000	Strato2_3095_82743_L_0											
79 D	23.43	8.6465E-04	134.1	117.1	299.4	149.7	UL-RL	1.3463E+04	-15.60	0.000	1.000	1.000	117.1
0.000	0.000	Strato2_3095_82743_L_0											
80 D	23.61	7.6883E-04	138.1	118.1	303.4	151.7	UL-RL	1.3463E+04	-15.80	0.000	1.000	1.000	118.1
0.000	0.000	Strato2_3095_82743_L_0											
81 D	23.81	6.7753E-04	142.1	119.1	307.4	153.7	UL-RL	1.3463E+04	-16.00	0.000	1.000	1.000	119.1
0.000	0.000	Strato2_3095_82743_L_0											
82 D	24.02	5.9006E-04	146.1	120.1	311.4	155.7	UL-RL	1.3463E+04	-16.20	0.000	1.000	1.000	120.1
0.000	0.000	Strato2_3095_82743_L_0											
83 D	24.23	5.0576E-04	150.1	121.1	315.4	157.7	UL-RL	1.3463E+04	-16.40	0.000	1.000	1.000	121.1
0.000	0.000	Strato2_3095_82743_L_0											
84 D	24.45	4.2402E-04	154.1	122.2	319.4	159.7	UL-RL	1.3463E+04	-16.60	0.000	1.000	1.000	122.2
0.000	0.000	Strato2_3095_82743_L_0											
85 D	24.67	3.4429E-04	158.1	123.3	323.4	161.7	UL-RL	1.3463E+04	-16.80	0.000	1.000	1.000	123.3
0.000	0.000	Strato2_3095_82743_L_0											
86 D	24.89	2.6607E-04	162.1	124.5	327.4	163.7	UL-RL	1.3463E+04	-17.00	0.000	1.000	1.000	124.5
0.000	0.000	Strato2_3095_82743_L_0											
87 D	25.12	1.8893E-04	166.1	125.6	331.4	165.7	UL-RL	1.3463E+04	-17.20	0.000	1.000	1.000	125.6
0.000	0.000	Strato2_3095_82743_L_0											
88 D	25.35	1.1249E-04	170.1	126.7	335.4	167.7	UL-RL	1.3463E+04	-17.40	0.000	1.000	1.000	126.7
0.000	0.000	Strato2_3095_82743_L_0											
89 D	25.58	3.6459E-05	174.1	127.9	339.4	169.7	UL-RL	1.3463E+04	-17.60	0.000	1.000	1.000	127.9
0.000	0.000	Strato2_3095_82743_L_0											
90 D	25.80	-3.9377E-05	178.1	129.0	343.4	171.7	UL-RL	1.3463E+04	-17.80	0.000	1.000	1.000	129.0
0.000	0.000	Strato2_3095_82743_L_0											
91 D	13.02	-1.1515E-04	182.1	130.2	347.4	173.7	UL-RL	1.3463E+04	-18.00	0.000	1.000	1.000	130.2
0.000	0.000	Strato2_3095_82743_L_0											

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      17:58:38                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-------------------------------------------------------
    1  1.0701      -1.0701    -1.23111E-10 0.21402
    2  2.8511      -2.8511     -0.21402     0.78423
    3  4.7687      -4.7687     -0.78423      1.7380
    4  7.1133      -7.1133      -1.7380      3.1606
    5  9.6076      -9.6076      -3.1606      5.0821
    6  12.439      -12.439      -5.0821      7.5700
    7  15.440      -15.440      -7.5700      10.658
    8  18.745      -18.745      -10.658      14.407
    9  22.191      -22.191      -14.407      18.845
   10  25.929      -25.929      -18.845      24.031
   11  29.859      -29.859      -24.031      30.003
   12  34.069      -34.069      -30.003      36.817
   13  38.478      -38.478      -36.817      44.512
   14  43.157      -43.157      -44.512      53.144
   15  48.038      -48.038      -53.144      62.751
   16 -91.798       91.798      -62.751      44.392
   17 -86.277       86.277      -44.392      27.136
   18 -80.344       80.344      -27.136      11.067
   19 -74.053       74.053      -11.067     -3.7431
   20 -67.356       67.356       3.7431     -17.214
   21 -60.303       60.303       17.214     -29.275
   22 -52.850       52.850       29.275     -39.845
   23 -45.045       45.045       39.845     -48.854
   24 -36.862       36.862       48.854     -56.226
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25	-28.329	28.329	56.226	-61.892
26	-19.412	19.412	61.892	-65.774
27	-10.150	10.150	65.774	-67.804
28	-0.51292	0.51292	67.804	-67.907
29	9.4616	-9.4616	67.907	-66.015
30	19.801	-19.801	66.015	-62.055
31	30.456	-30.456	62.055	-55.963
32	41.465	-41.465	55.963	-47.670
33	52.790	-52.790	47.670	-37.112
34	64.453	-64.453	37.112	-24.222
35	76.418	-76.418	24.222	-8.9383
36	88.704	-88.704	8.9383	8.8025
37	101.28	-101.28	-8.8025	29.058
38	114.15	-114.15	-29.058	51.887
39	127.27	-127.27	-51.887	77.342
40	140.68	-140.68	-77.342	105.48
41	154.32	-154.32	-105.48	136.34
42	7.1959	-7.1959	-136.34	137.78
43	21.301	-21.301	-137.78	142.04
44	35.625	-35.625	-142.04	149.17
45	50.017	-50.017	-149.17	159.17
46	61.626	-61.626	-159.17	171.50
47	70.291	-70.291	-171.50	185.55
48	76.018	-76.018	-185.55	200.76
49	78.777	-78.777	-200.76	216.51
50	78.576	-78.576	-216.51	232.23
51	75.387	-75.387	-232.23	247.31
52	69.222	-69.222	-247.31	261.15
53	61.818	-61.818	-261.15	273.51
54	54.283	-54.283	-273.51	284.37
55	46.598	-46.598	-284.37	293.69
56	38.770	-38.770	-293.69	301.44
57	30.777	-30.777	-301.44	307.60
58	22.629	-22.629	-307.60	312.13
59	14.943	-14.943	-312.13	315.11
60	7.9327	-7.9327	-315.11	316.70
61	1.5271	-1.5271	-316.70	317.01
62	-4.2707	4.2707	-317.01	316.15
63	-9.5201	9.5201	-316.15	314.25
64	-21.488	21.488	-314.25	309.95
65	-33.472	33.472	-309.95	303.26
66	-44.639	44.639	-303.26	294.33
67	-54.215	54.215	-294.33	283.49
68	-62.282	62.282	-283.49	271.03
69	-68.971	68.971	-271.03	257.23
70	-74.344	74.344	-257.23	242.37
71	-78.515	78.515	-242.37	226.66
72	-81.546	81.546	-226.66	210.35
73	-83.537	83.537	-210.35	193.65
74	-84.539	84.539	-193.65	176.74
75	-84.639	84.639	-176.74	159.81
76	-83.886	83.886	-159.81	143.03
77	-82.346	82.346	-143.03	126.56
78	-80.049	80.049	-126.56	110.55
79	-77.056	77.056	-110.55	95.144
80	-73.385	73.385	-95.144	80.467
81	-69.087	69.087	-80.467	66.649
82	-64.171	64.171	-66.649	53.815
83	-58.677	58.677	-53.815	42.080
84	-52.611	52.611	-42.080	31.557
85	-45.998	45.998	-31.557	22.357
86	-38.830	38.830	-22.357	14.591
87	-31.131	31.131	-14.591	8.3651
88	-22.889	22.889	-8.3651	3.7874
89	-14.122	14.122	-3.7874	0.96297
90	-4.8148	4.8148	-0.96297	1.48243E-13

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                  Exe Time :29 July 2019      17:58:38                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   150.11     -6.74572E-04  2.06573E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                  Exe Time :29 July 2019      17:58:38                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   166.70     -1.26417E-03 -1.26417E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 9438.     REMNOR=0.1674E-17 RATIO =0.1144     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1144     RATIOR= 0.000
           MAX UN= 26.23     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           MIN UN=-.7462E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 818.6     REMNOR=0.1485E-17 RATIO =0.3370E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.3370E-01 RATIOR= 0.000
           MAX UN= 15.00     IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.1117     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 148.7     REMNOR=0.3178E-17 RATIO =0.1436E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1436E-01 RATIOR= 0.000
           MAX UN= 5.091     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.3747     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
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           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 7.609     REMNOR=0.2714E-17 RATIO =0.3249E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.3249E-02 RATIOR= 0.000
           MAX UN= 1.459     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.9362     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM=0.1831E-03 REMNOR=0.2175E-17 RATIO =0.1594E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1594E-04 RATIOR= 0.000
           MAX UN=0.1353E-01 IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.7065E-08 IEQ=    99 NODE     50 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      17:58:38                                                 |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2765966E-02  -1.5202175E-03
    2   3.2461924E-02  -1.5201879E-03
    3   3.2157898E-02  -1.5200556E-03
    4   3.1853915E-02  -1.5197323E-03
    5   3.1550024E-02  -1.5191211E-03
    6   3.1246292E-02  -1.5181214E-03
    7   3.0942808E-02  -1.5166325E-03
    8   3.0639679E-02  -1.5145448E-03
    9   3.0337038E-02  -1.5117375E-03
   10   3.0035041E-02  -1.5080791E-03
   11   2.9733872E-02  -1.5034280E-03
   12   2.9433746E-02  -1.4976310E-03
   13   2.9134907E-02  -1.4905238E-03
   14   2.8837636E-02  -1.4819305E-03
   15   2.8542247E-02  -1.4716644E-03
   16   2.8249095E-02  -1.4595274E-03
   17   2.7958335E-02  -1.4489039E-03
   18   2.7669207E-02  -1.4431678E-03
   19   2.7380757E-02  -1.4420887E-03
   20   2.7092077E-02  -1.4454250E-03
   21   2.6802310E-02  -1.4529239E-03
   22   2.6510648E-02  -1.4643215E-03
   23   2.6216340E-02  -1.4793428E-03
   24   2.5918690E-02  -1.4977017E-03
   25   2.5617058E-02  -1.5191016E-03
   26   2.5310867E-02  -1.5432350E-03
   27   2.4999603E-02  -1.5697831E-03
   28   2.4682815E-02  -1.5984163E-03
   29   2.4360121E-02  -1.6287938E-03
   30   2.4031206E-02  -1.6605641E-03
   31   2.3695827E-02  -1.6933640E-03
   32   2.3353817E-02  -1.7268200E-03
   33   2.3005081E-02  -1.7605476E-03
   34   2.2649606E-02  -1.7941514E-03
   35   2.2287458E-02  -1.8272247E-03
   36   2.1918781E-02  -1.8593501E-03
   37   2.1543809E-02  -1.8900990E-03
   38   2.1162862E-02  -1.9190317E-03
   39   2.0776348E-02  -1.9456973E-03
   40   2.0384767E-02  -1.9696344E-03
   41   1.9988709E-02  -1.9903708E-03
   42   1.9588857E-02  -2.0074234E-03
   43   1.9185711E-02  -2.0247985E-03
   44   1.8778651E-02  -2.0464926E-03
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   45   1.8366862E-02  -2.0719894E-03
   46   1.7949637E-02  -2.1007613E-03
   47   1.7526375E-02  -2.1322700E-03
   48   1.7096583E-02  -2.1659664E-03
   49   1.6659882E-02  -2.2012900E-03
   50   1.6215999E-02  -2.2376701E-03
   51   1.5764783E-02  -2.2745241E-03
   52   1.5306193E-02  -2.3112592E-03
   53   1.4840323E-02  -2.3472704E-03
   54   1.4367374E-02  -2.3819427E-03
   55   1.3887677E-02  -2.4146501E-03
   56   1.3401687E-02  -2.4447555E-03
   57   1.2909991E-02  -2.4716109E-03
   58   1.2413304E-02  -2.4945572E-03
   59   1.1912473E-02  -2.5129244E-03
   60   1.1408484E-02  -2.5260315E-03
   61   1.0902458E-02  -2.5331863E-03
   62   1.0395654E-02  -2.5336860E-03
   63   9.8894745E-03  -2.5268166E-03
   64   9.3854665E-03  -2.5118535E-03
   65   8.8852793E-03  -2.4886974E-03
   66   8.3904912E-03  -2.4579876E-03
   67   7.9025310E-03  -2.4205780E-03
   68   7.4226665E-03  -2.3774288E-03
   69   6.9519031E-03  -2.3294852E-03
   70   6.4911293E-03  -2.2776892E-03
   71   6.0410223E-03  -2.2229701E-03
   72   5.6020749E-03  -2.1662461E-03
   73   5.1745971E-03  -2.1084239E-03
   74   4.7587188E-03  -2.0503989E-03
   75   4.3543921E-03  -1.9930550E-03
   76   3.9613932E-03  -1.9372651E-03
   77   3.5793258E-03  -1.8838797E-03
   78   3.2076295E-03  -1.8336718E-03
   79   2.8456025E-03  -1.7872819E-03
   80   2.4924291E-03  -1.7452069E-03
   81   2.1472083E-03  -1.7078039E-03
   82   1.8089815E-03  -1.6752924E-03
   83   1.4767596E-03  -1.6477573E-03
   84   1.1495500E-03  -1.6251506E-03
   85   8.2636659E-04  -1.6072931E-03
   86   5.0632035E-04  -1.5938786E-03
   87   1.8854806E-04  -1.5844703E-03
   88  -1.2769729E-04  -1.5785047E-03
   89  -4.4303732E-04  -1.5752915E-03
   90  -7.5794303E-04  -1.5740153E-03
   91  -1.0727109E-03  -1.5737517E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*        |
|                                                                                                                  |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                 |
|                                   Exe Time :29 July 2019      17:58:38                                           |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                               :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      6.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS  Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p       LAYER
------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D  1.244     -3.2766E-02  25.20       12.44       35.20       19.81          UL-RL   8488.      0.000        0.000       1.000       1.000
12.44       0.000       0.000     Strato1_2_8_L_0
   2 D  1.845     -3.2462E-02  19.29       9.226       29.29       16.85          UL-RL   8488.     -0.2000       0.000       1.000       1.000
9.226       0.000       0.000     Strato1_2_8_L_0
   3 D  1.863     -3.2158E-02  21.54       9.315       31.54       17.18          UL-RL   8488.     -0.4000       0.000       1.000       1.000
9.315       0.000       0.000     Strato1_2_8_L_0
   4 D  2.223     -3.1854E-02  28.56       11.12       38.56       19.55          UL-RL   8488.     -0.6000       0.000       1.000       1.000
11.12       0.000       0.000     Strato1_2_8_L_0
   5 D  2.016     -3.1550E-02  31.02       10.08       41.02       20.57          UL-RL   8488.     -0.8000       0.000       1.000       1.000
10.08       0.000       0.000     Strato1_2_8_L_0
   6 D  2.224     -3.1246E-02  36.58       11.12       46.58       23.00         ACTIVE   0.000      -1.000        0.000       1.000       1.000
11.12       0.000       0.000     Strato1_2_8_L_0
   7 D  2.393     -3.0943E-02  39.36       11.96       49.36       24.16         ACTIVE   0.000      -1.200        0.000       1.000       1.000
11.96       0.000       0.000     Strato1_2_8_L_0
```

8 D	2.697	-3.0640E-02	44.36	13.49	54.36	26.33	ACTIVE	0.000	-1.400	0.000	1.000	1.000	
13.49	0.000	0.000	Strato1_2_8_L_0										
9 D	2.838	-3.0337E-02	46.68	14.19	56.68	27.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000	
14.19	0.000	0.000	Strato1_2_8_L_0										
10 D	3.129	-3.0035E-02	51.47	15.65	61.47	29.34	ACTIVE	0.000	-1.800	0.000	1.000	1.000	
15.65	0.000	0.000	Strato1_2_8_L_0										
11 D	3.323	-2.9734E-02	54.65	16.61	64.65	30.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000	
16.61	0.000	0.000	Strato1_2_8_L_0										
12 D	3.602	-2.9434E-02	59.24	18.01	69.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000	
18.01	0.000	0.000	Strato1_2_8_L_0										
13 D	3.800	-2.9135E-02	62.51	19.00	72.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000	
19.00	0.000	0.000	Strato1_2_8_L_0										
14 D	4.071	-2.8838E-02	66.96	20.36	76.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000	
20.36	0.000	0.000	Strato1_2_8_L_0										
15 D	4.274	-2.8542E-02	70.29	21.37	80.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000	
21.37	0.000	0.000	Strato1_2_8_L_0										
16 D	4.516	-2.8249E-02	74.27	22.58	84.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000	
22.58	0.000	0.000	Strato1_2_8_L_0										
17 D	4.723	-2.7958E-02	77.68	23.61	87.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000	
23.61	0.000	0.000	Strato1_2_8_L_0										
18 D	4.985	-2.7669E-02	81.99	24.92	91.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000	
24.92	0.000	0.000	Strato1_2_8_L_0										
19 D	5.194	-2.7381E-02	85.43	25.97	95.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000	
25.97	0.000	0.000	Strato1_2_8_L_0										
20 D	5.452	-2.7092E-02	89.67	27.26	99.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000	
27.26	0.000	0.000	Strato1_2_8_L_0										
21 D	5.663	-2.6802E-02	93.15	28.32	103.1	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	
28.32	0.000	0.000	Strato1_2_8_L_0										
22 D	5.919	-2.6511E-02	97.35	29.59	107.3	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000	
29.59	0.000	0.000	Strato1_2_8_L_0										
23 D	6.131	-2.6216E-02	100.8	30.66	110.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000	
30.66	0.000	0.000	Strato1_2_8_L_0										
24 D	6.369	-2.5919E-02	104.8	31.85	114.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000	
31.85	0.000	0.000	Strato1_2_8_L_0										
25 D	6.584	-2.5617E-02	108.3	32.92	118.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000	
32.92	0.000	0.000	Strato1_2_8_L_0										
26 D	6.836	-2.5311E-02	112.4	34.18	122.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000	
34.18	0.000	0.000	Strato1_2_8_L_0										
27 D	7.051	-2.5000E-02	116.0	35.26	126.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000	
35.26	0.000	0.000	Strato1_2_8_L_0										
28 D	7.301	-2.4683E-02	120.1	36.51	130.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000	
36.51	0.000	0.000	Strato1_2_8_L_0										
29 D	7.518	-2.4360E-02	123.7	37.59	133.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000	
37.59	0.000	0.000	Strato1_2_8_L_0										
30 D	7.767	-2.4031E-02	127.7	38.83	137.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000	
38.83	0.000	0.000	Strato1_2_8_L_0										
31 D	7.972	-2.3696E-02	131.1	39.86	141.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
39.86	0.000	0.000	Strato1_2_8_L_0										
32 D	8.220	-2.3354E-02	135.2	41.10	145.2	71.66	ACTIVE	0.000	-6.200	0.000	1.000	1.000	
41.10	0.000	0.000	Strato1_2_8_L_0										
33 D	8.439	-2.3005E-02	138.8	42.19	148.8	73.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000	
42.19	0.000	0.000	Strato1_2_8_L_0										
34 D	8.685	-2.2650E-02	142.9	43.43	152.9	75.71	ACTIVE	0.000	-6.600	0.000	1.000	1.000	
43.43	0.000	0.000	Strato1_2_8_L_0										
35 D	8.905	-2.2287E-02	146.5	44.52	156.5	77.62	ACTIVE	0.000	-6.800	0.000	1.000	1.000	
44.52	0.000	0.000	Strato1_2_8_L_0										
36 D	9.150	-2.1919E-02	150.5	45.75	160.5	79.76	ACTIVE	0.000	-7.000	0.000	1.000	1.000	
45.75	0.000	0.000	Strato1_2_8_L_0										
37 D	9.370	-2.1544E-02	154.1	46.85	164.1	81.68	ACTIVE	0.000	-7.200	0.000	1.000	1.000	
46.85	0.000	0.000	Strato1_2_8_L_0										
38 D	9.615	-2.1163E-02	158.1	48.07	168.1	83.81	ACTIVE	0.000	-7.400	0.000	1.000	1.000	
48.07	0.000	0.000	Strato1_2_8_L_0										
39 D	9.826	-2.0776E-02	161.6	49.13	171.6	85.65	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
49.13	0.000	0.000	Strato1_2_8_L_0										
40 D	10.07	-2.0385E-02	165.6	50.35	175.6	87.78	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
41 D	10.29	-1.9989E-02	169.3	51.45	179.3	89.71	ACTIVE	0.000	-8.000	0.000	1.000	1.000	
51.45	0.000	0.000	Strato1_2_8_L_0										
42 D	10.53	-1.9589E-02	173.3	52.67	183.3	91.83	ACTIVE	0.000	-8.200	0.000	1.000	1.000	
52.67	0.000	0.000	Strato1_2_8_L_0										
43 D	10.76	-1.9186E-02	176.9	53.78	186.9	93.76	ACTIVE	0.000	-8.400	0.000	1.000	1.000	
53.78	0.000	0.000	Strato1_2_8_L_0										
44 D	11.00	-1.8779E-02	180.9	54.99	190.9	95.88	ACTIVE	0.000	-8.600	0.000	1.000	1.000	
54.99	0.000	0.000	Strato1_2_8_L_0										
45 D	11.22	-1.8367E-02	184.5	56.10	194.5	97.81	ACTIVE	0.000	-8.800	0.000	1.000	1.000	
56.10	0.000	0.000	Strato1_2_8_L_0										
46 D	11.46	-1.7950E-02	188.4	57.28	198.4	99.86	ACTIVE	0.000	-9.000	0.000	1.000	1.000	
57.28	0.000	0.000	Strato1_2_8_L_0										
47 D	11.68	-1.7526E-02	192.1	58.39	202.1	101.8	ACTIVE	0.000	-9.200	0.000	1.000	1.000	
58.39	0.000	0.000	Strato1_2_8_L_0										
48 D	11.92	-1.7097E-02	196.0	59.60	206.0	103.9	ACTIVE	0.000	-9.400	0.000	1.000	1.000	
59.60	0.000	0.000	Strato1_2_8_L_0										
49 D	12.14	-1.6660E-02	199.7	60.71	209.7	105.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000	
60.71	0.000	0.000	Strato1_2_8_L_0										
50 D	12.38	-1.6216E-02	203.7	61.92	213.7	107.9	ACTIVE	0.000	-9.800	0.000	1.000	1.000	

61.92	0.000	0.000	Strato1_2_8_L_0										
51 D	12.61	-1.5765E-02	207.3	63.03	217.3	109.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000	
63.03	0.000	0.000	Strato1_2_8_L_0										
52 D	12.85	-1.5306E-02	211.3	64.24	221.3	112.0	ACTIVE	0.000	-10.20	0.000	1.000	1.000	
64.24	0.000	0.000	Strato1_2_8_L_0										
53 D	13.07	-1.4840E-02	215.0	65.35	225.0	113.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000	
65.35	0.000	0.000	Strato1_2_8_L_0										
54 D	13.30	-1.4367E-02	218.8	66.52	228.8	116.0	ACTIVE	0.000	-10.60	0.000	1.000	1.000	
66.52	0.000	0.000	Strato1_2_8_L_0										
55 D	13.53	-1.3888E-02	222.5	67.64	232.5	117.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000	
67.64	0.000	0.000	Strato1_2_8_L_0										
56 D	13.77	-1.3402E-02	226.5	68.84	236.5	120.0	ACTIVE	0.000	-11.00	0.000	1.000	1.000	
68.84	0.000	0.000	Strato1_2_8_L_0										
57 D	13.99	-1.2910E-02	230.1	69.96	240.1	122.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000	
69.96	0.000	0.000	Strato1_2_8_L_0										
58 D	14.23	-1.2413E-02	234.1	71.16	244.1	124.1	ACTIVE	0.000	-11.40	0.000	1.000	1.000	
71.16	0.000	0.000	Strato1_2_8_L_0										
59 D	14.46	-1.1912E-02	237.8	72.28	247.8	126.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000	
72.28	0.000	0.000	Strato1_2_8_L_0										
60 D	14.70	-1.1408E-02	241.7	73.48	251.7	128.1	ACTIVE	0.000	-11.80	0.000	1.000	1.000	
73.48	0.000	0.000	Strato1_2_8_L_0										
61 D	14.91	-1.0902E-02	245.3	74.57	255.3	130.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000	
74.57	0.000	0.000	Strato1_2_8_L_0										
62 D	15.15	-1.0396E-02	249.2	75.77	259.2	132.1	ACTIVE	0.000	-12.20	0.000	1.000	1.000	
75.77	0.000	0.000	Strato1_2_8_L_0										
63 D	15.38	-9.8895E-03	252.9	76.89	262.9	134.1	ACTIVE	0.000	-12.40	0.000	1.000	1.000	
76.89	0.000	0.000	Strato1_2_8_L_0										
64 D	8.194	-9.3855E-03	256.9	40.97	266.9	128.4	ACTIVE	0.000	-12.60	0.000	1.000	1.000	
40.97	0.000	0.000	Strato2_3095_82743_L_0										
65 D	8.377	-8.8853E-03	260.8	41.89	270.8	130.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000	
41.89	0.000	0.000	Strato2_3095_82743_L_0										
66 D	8.571	-8.3905E-03	264.9	42.86	274.9	132.4	ACTIVE	0.000	-13.00	0.000	1.000	1.000	
42.86	0.000	0.000	Strato2_3095_82743_L_0										
67 D	8.755	-7.9025E-03	268.8	43.77	278.8	134.4	ACTIVE	0.000	-13.20	0.000	1.000	1.000	
43.77	0.000	0.000	Strato2_3095_82743_L_0										
68 D	8.948	-7.4227E-03	272.9	44.74	282.9	136.5	ACTIVE	0.000	-13.40	0.000	1.000	1.000	
44.74	0.000	0.000	Strato2_3095_82743_L_0										
69 D	9.128	-6.9519E-03	276.7	45.64	286.7	138.4	ACTIVE	0.000	-13.60	0.000	1.000	1.000	
45.64	0.000	0.000	Strato2_3095_82743_L_0										
70 D	9.322	-6.4911E-03	280.8	46.61	290.8	140.4	ACTIVE	0.000	-13.80	0.000	1.000	1.000	
46.61	0.000	0.000	Strato2_3095_82743_L_0										
71 D	9.505	-6.0410E-03	284.7	47.53	294.7	142.4	ACTIVE	0.000	-14.00	0.000	1.000	1.000	
47.53	0.000	0.000	Strato2_3095_82743_L_0										
72 D	9.699	-5.6021E-03	288.9	48.49	298.9	144.4	ACTIVE	0.000	-14.20	0.000	1.000	1.000	
48.49	0.000	0.000	Strato2_3095_82743_L_0										
73 D	9.882	-5.1746E-03	292.8	49.41	302.8	146.4	ACTIVE	0.000	-14.40	0.000	1.000	1.000	
49.41	0.000	0.000	Strato2_3095_82743_L_0										
74 D	10.08	-4.7587E-03	296.9	50.38	306.9	148.4	ACTIVE	0.000	-14.60	0.000	1.000	1.000	
50.38	0.000	0.000	Strato2_3095_82743_L_0										
75 D	10.26	-4.3544E-03	300.8	51.30	310.8	150.4	ACTIVE	0.000	-14.80	0.000	1.000	1.000	
51.30	0.000	0.000	Strato2_3095_82743_L_0										
76 D	10.45	-3.9614E-03	304.8	52.24	314.8	152.4	ACTIVE	0.000	-15.00	0.000	1.000	1.000	
52.24	0.000	0.000	Strato2_3095_82743_L_0										
77 D	12.09	-3.5793E-03	308.7	60.46	318.7	154.4	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000	
60.46	0.000	0.000	Strato2_3095_82743_L_0										
78 D	14.28	-3.2076E-03	312.9	71.40	322.9	156.4	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000	
71.40	0.000	0.000	Strato2_3095_82743_L_0										
79 D	16.40	-2.8456E-03	316.8	82.02	326.8	158.4	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000	
82.02	0.000	0.000	Strato2_3095_82743_L_0										
80 D	18.50	-2.4924E-03	320.9	92.52	330.9	160.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	
92.52	0.000	0.000	Strato2_3095_82743_L_0										
81 D	20.55	-2.1472E-03	324.8	102.7	334.8	162.4	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	
102.7	0.000	0.000	Strato2_3095_82743_L_0										
82 D	22.57	-1.8090E-03	328.9	112.9	338.9	164.4	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	
112.9	0.000	0.000	Strato2_3095_82743_L_0										
83 D	24.56	-1.4768E-03	332.8	122.8	342.8	166.4	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	
122.8	0.000	0.000	Strato2_3095_82743_L_0										
84 D	26.52	-1.1495E-03	336.8	132.6	346.8	168.4	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	
132.6	0.000	0.000	Strato2_3095_82743_L_0										
85 D	28.46	-8.2637E-04	340.8	142.3	350.8	170.4	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	
142.3	0.000	0.000	Strato2_3095_82743_L_0										
86 D	30.40	-5.0632E-04	344.9	152.0	354.9	172.4	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	
152.0	0.000	0.000	Strato2_3095_82743_L_0										
87 D	32.32	-1.8855E-04	348.8	161.6	358.8	174.4	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	
161.6	0.000	0.000	Strato2_3095_82743_L_0										
88 D	34.24	1.2770E-04	352.9	171.2	362.9	176.4	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	
171.2	0.000	0.000	Strato2_3095_82743_L_0										
89 D	36.09	4.4304E-04	356.8	180.4	366.8	180.4	V-C	8004.	-17.60	0.000	1.000	1.000	
180.4	0.000	0.000	Strato2_3095_82743_L_0										
90 D	37.30	7.5794E-04	360.9	186.5	370.9	186.5	V-C	8004.	-17.80	0.000	1.000	1.000	
186.5	0.000	0.000	Strato2_3095_82743_L_0										
91 D	19.15	1.0727E-03	364.8	191.5	374.8	191.5	V-C	8004.	-18.00	0.000	1.000	1.000	
191.5	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                       NewProject.BaseDesignSection_28.Nominal_63                          |
|                                   Exe Time :29 July 2019      17:58:38                                    |
+-----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S 6.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000				

0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 D 19.40 9.3855E-03 0.000 96.99 239.4 120.1 PASSIVE 0.000 -12.60 0.000 1.000 1.000
96.99 0.000 0.000 Strato2_3095_82743_L_0
65 D 24.10 8.8853E-03 4.000 120.5 243.4 121.7 PASSIVE 0.000 -12.80 0.000 1.000 1.000
120.5 0.000 0.000 Strato2_3095_82743_L_0
66 D 28.80 8.3905E-03 8.000 144.0 247.4 144.0 PASSIVE 0.000 -13.00 0.000 1.000 1.000
144.0 0.000 0.000 Strato2_3095_82743_L_0
67 D 28.86 7.9025E-03 12.00 144.3 251.4 144.3 V-C 7230. -13.20 0.000 1.000 1.000
144.3 0.000 0.000 Strato2_3095_82743_L_0
68 D 28.85 7.4227E-03 16.00 144.2 255.4 144.2 V-C 7230. -13.40 0.000 1.000 1.000
144.2 0.000 0.000 Strato2_3095_82743_L_0
69 D 28.82 6.9519E-03 20.00 144.1 259.4 144.1 V-C 7230. -13.60 0.000 1.000 1.000
144.1 0.000 0.000 Strato2_3095_82743_L_0
70 D 28.78 6.4911E-03 24.00 143.9 263.4 143.9 V-C 7230. -13.80 0.000 1.000 1.000
143.9 0.000 0.000 Strato2_3095_82743_L_0
71 D 28.73 6.0410E-03 28.00 143.6 267.4 143.6 V-C 7230. -14.00 0.000 1.000 1.000
143.6 0.000 0.000 Strato2_3095_82743_L_0
72 D 28.67 5.6021E-03 32.00 143.4 271.4 143.4 V-C 7230. -14.20 0.000 1.000 1.000
143.4 0.000 0.000 Strato2_3095_82743_L_0
73 D 28.62 5.1746E-03 36.00 143.1 275.4 143.1 V-C 7230. -14.40 0.000 1.000 1.000
143.1 0.000 0.000 Strato2_3095_82743_L_0

74 D	28.57	4.7587E-03	40.00	142.9	279.4	142.9	V-C	7230.	-14.60	0.000	1.000	1.000
142.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.53	4.3544E-03	44.00	142.7	283.4	142.7	V-C	7230.	-14.80	0.000	1.000	1.000
142.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.00	3.9614E-03	48.00	140.0	287.4	143.7	UL-RL	2.1690E+04	-15.00	0.000	1.000	1.000
140.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.11	3.5793E-03	52.00	135.5	291.4	145.7	UL-RL	2.1690E+04	-15.20	0.000	1.000	1.000
135.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	26.24	3.2076E-03	56.00	131.2	295.4	147.7	UL-RL	2.1690E+04	-15.40	0.000	1.000	1.000
131.2	0.000	0.000	Strato2_3095_82743_L_0									
79 D	25.39	2.8456E-03	60.00	126.9	299.4	149.7	UL-RL	2.1690E+04	-15.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato2_3095_82743_L_0									
80 D	24.56	2.4924E-03	64.00	122.8	303.4	151.7	UL-RL	2.1690E+04	-15.80	0.000	1.000	1.000
122.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.74	2.1472E-03	68.00	118.7	307.4	153.7	UL-RL	2.1690E+04	-16.00	0.000	1.000	1.000
118.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	22.95	1.8090E-03	72.00	114.7	311.4	155.7	UL-RL	2.1690E+04	-16.20	0.000	1.000	1.000
114.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	22.17	1.4768E-03	76.00	110.8	315.4	157.7	UL-RL	2.1690E+04	-16.40	0.000	1.000	1.000
110.8	0.000	0.000	Strato2_3095_82743_L_0									
84 D	21.39	1.1495E-03	80.00	107.0	319.4	159.7	UL-RL	2.1690E+04	-16.60	0.000	1.000	1.000
107.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	20.63	8.2637E-04	84.00	103.1	323.4	161.7	UL-RL	2.1690E+04	-16.80	0.000	1.000	1.000
103.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	19.87	5.0632E-04	88.00	99.36	327.4	163.7	UL-RL	2.1690E+04	-17.00	0.000	1.000	1.000
99.36	0.000	0.000	Strato2_3095_82743_L_0									
87 D	19.12	1.8855E-04	92.00	95.59	331.4	165.7	UL-RL	2.1690E+04	-17.20	0.000	1.000	1.000
95.59	0.000	0.000	Strato2_3095_82743_L_0									
88 D	18.36	-1.2770E-04	96.00	91.82	335.4	167.7	UL-RL	2.1690E+04	-17.40	0.000	1.000	1.000
91.82	0.000	0.000	Strato2_3095_82743_L_0									
89 D	17.61	-4.4304E-04	100.0	88.05	339.4	169.7	UL-RL	2.1690E+04	-17.60	0.000	1.000	1.000
88.05	0.000	0.000	Strato2_3095_82743_L_0									
90 D	16.85	-7.5794E-04	104.0	84.27	343.4	171.7	UL-RL	2.1690E+04	-17.80	0.000	1.000	1.000
84.27	0.000	0.000	Strato2_3095_82743_L_0									
91 D	8.047	-1.0727E-03	108.0	80.47	347.4	173.7	UL-RL	2.1690E+04	-18.00	0.000	1.000	1.000
80.47	0.000	0.000	Strato2_3095_82743_L_0									

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
|                                   Exe Time :29 July 2019      17:58:38                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
 ------------------------------------------------------
    1  1.2436     -1.2436     1.94502E-10 0.24872
    2  3.0889     -3.0889    -0.24872     0.86650
    3  4.9520     -4.9520    -0.86650     1.8569
    4  7.1750     -7.1750     -1.8569     3.2919
    5  9.1912     -9.1912     -3.2919     5.1301
    6  11.415     -11.415     -5.1301     7.4131
    7  13.808     -13.808     -7.4131     10.175
    8  16.505     -16.505     -10.175     13.476
    9  19.343     -19.343     -13.476     17.344
   10  22.472     -22.472     -17.344     21.839
   11  25.795     -25.795     -21.839     26.998
   12  29.397     -29.397     -26.998     32.877
   13  33.197     -33.197     -32.877     39.517
   14  37.268     -37.268     -39.517     46.970
   15  41.542     -41.542     -46.970     55.279
   16 -105.30      105.30     -55.279     34.219
   17 -100.57      100.57     -34.219     14.104
   18 -95.590      95.590     -14.104    -5.0137
   19 -90.396      90.396      5.0137    -23.093
   20 -84.943      84.943      23.093    -40.082
   21 -79.280      79.280      40.082    -55.938
   22 -73.362      73.362      55.938    -70.610
   23 -67.230      67.230      70.610    -84.056
   24 -60.861      60.861      84.056    -96.228
   25 -54.277      54.277      96.228    -107.08
   26 -47.441      47.441      107.08    -116.57
```

27	-40.390	40.390	116.57	-124.65
28	-33.088	33.088	124.65	-131.27
29	-25.570	25.570	131.27	-136.38
30	-17.804	17.804	136.38	-139.94
31	-9.8313	9.8313	139.94	-141.91
32	-1.6111	1.6111	141.91	-142.23
33	6.8277	-6.8277	142.23	-140.87
34	15.513	-15.513	140.87	-137.76
35	24.418	-24.418	137.76	-132.88
36	33.568	-33.568	132.88	-126.17
37	42.938	-42.938	126.17	-117.58
38	52.552	-52.552	117.58	-107.07
39	62.378	-62.378	107.07	-94.592
40	72.448	-72.448	94.592	-80.102
41	82.739	-82.739	80.102	-63.554
42	-96.343	96.343	63.554	-82.823
43	-85.587	85.587	82.823	-99.940
44	-74.589	74.589	99.940	-114.86
45	-63.368	63.368	114.86	-127.53
46	-51.913	51.913	127.53	-137.91
47	-40.236	40.236	137.91	-145.96
48	-28.316	28.316	145.96	-151.62
49	-16.174	16.174	151.62	-154.86
50	-3.7911	3.7911	154.86	-155.62
51	8.8151	-8.8151	155.62	-153.85
52	21.662	-21.662	153.85	-149.52
53	34.733	-34.733	149.52	-142.58
54	48.037	-48.037	142.58	-132.97
55	61.565	-61.565	132.97	-120.66
56	75.334	-75.334	120.66	-105.59
57	89.326	-89.326	105.59	-87.723
58	103.56	-103.56	87.723	-67.012
59	118.01	-118.01	67.012	-43.409
60	132.71	-132.71	43.409	-16.867
61	147.62	-147.62	16.867	12.658
62	162.78	-162.78	-12.658	45.213
63	178.16	-178.16	-45.213	80.844
64	166.95	-166.95	-80.844	114.23
65	151.23	-151.23	-114.23	144.48
66	130.98	-130.98	-144.48	170.68
67	110.88	-110.88	-170.68	192.85
68	90.982	-90.982	-192.85	211.05
69	71.291	-71.291	-211.05	225.31
70	51.837	-51.837	-225.31	235.67
71	32.616	-32.616	-235.67	242.20
72	13.642	-13.642	-242.20	244.93
73	-5.0971	5.0971	-244.93	243.91
74	-23.595	23.595	-243.91	239.19
75	-41.866	41.866	-239.19	230.81
76	-59.416	59.416	-230.81	218.93
77	-74.431	74.431	-218.93	204.05
78	-86.388	86.388	-204.05	186.77
79	-95.371	95.371	-186.77	167.69
80	-101.42	101.42	-167.69	147.41
81	-104.62	104.62	-147.41	126.48
82	-104.99	104.99	-126.48	105.49
83	-102.60	102.60	-105.49	84.965
84	-97.473	97.473	-84.965	65.469
85	-89.640	89.640	-65.469	47.541
86	-79.108	79.108	-47.541	31.720
87	-65.908	65.908	-31.720	18.538
88	-50.033	50.033	-18.538	8.5313
89	-31.554	31.554	-8.5313	2.2206
90	-11.103	11.103	-2.2206	-6.38875E-12

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      17:58:38                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
```

```
         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   156.69     -6.74572E-04  2.31564E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      17:58:38                                            |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   196.31     -1.26417E-03  5.76121E-03   0.0000       4214.1       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      17:58:38                                            |
+-------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        6
        3           CONVERGENCE :YES                        4
        4           CONVERGENCE :YES                        6
        5           CONVERGENCE :YES                        5
        6           CONVERGENCE :YES                        5



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.09 [sec]
DATABASE  CREATION CPU TIME.....    0.34 [sec]
```

1.3. Design Assumption : SLE (Rara) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)
 * Time:lunedì 29 luglio 2019 17:58:38
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
```

```
PERMEABILITY 1E-06
RESISTANCE 0 29
YOUNG 2E+04 6E+04
ENDL
*
* Soil Profile (Strato2_3095_82743_L_0)
*
LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 108 Name=Fe360 E=206000200 kPa
MATERIAL Fe360_108 2.06E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 6 0 40 0 15.2 45
STRIP LeftWall_32 2 6 0 40 0 10 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
```

```
ADD Tirante1_429
ENDSTEP

STEP Stage4_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage5_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
SURCHARGE 10 0 0 -9
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage6_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -12.6
SURCHARGE 0 0 0 0
WATER -26 0 -18 0 0
ENDSTEP
```

1.4. Design Assumption : SLE (Rara) - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.SLERara_3454
 STARTING
ACCEPTED   <FILE,GENW                                                      >
ACCEPTED   <FILE,PLOTTER,BINARY                                            >
ACCEPTED   <SOLVE TOTAL_STRESS                                             >
ACCEPTED   <PARAM ITEMAX 100                                               >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                  >
```

```
                  ************************************************************
                  *                                                          *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED     *
                  *    BY THE PROGRAM.                                       *
                  ************************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    6
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................  102
NO. OF LONG NAMES (LASTNAME) ..................   24
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    102

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
```

```
13 : RESISTANCE 0 29
14 : YOUNG 2E+04 6E+04
15 : ENDL
16 : LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
17 : ATREST 0.5 0.5 1
18 : WEIGHT 20 10 10
19 : PERMEABILITY 0.0001
20 : RESISTANCE 20 35
21 : YOUNG 5E+04 1.5E+05
22 : ENDL
23 : MATERIAL Fe360_108 2.06E+08
24 : MATERIAL C2530_104 3.148E+07
25 : MATERIAL acciaioarmonico_124 2.001E+08
26 : MATERIAL C2025_103 2.996E+07
27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
29 : WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0
30 : STRIP LeftWall_32 2 6 0 40 0 15.2 45
31 : STRIP LeftWall_32 2 6 0 40 0 10 30
32 : STEP Stage1_31
33 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
34 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
35 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
36 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
37 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
38 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
42 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
44 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
47 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
48 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
49 : SETWALL LeftWall_32
50 : GEOM 0 0
51 : WATER -26 0 -18 0 0
52 : ADD WallElement_33
53 : ENDSTEP
54 : STEP Stage2_158
55 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
58 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
59 : SETWALL LeftWall_32
60 : GEOM 0 -3.5
61 : WATER -26 0 -18 0 0
62 : ENDSTEP
63 : STEP Stage3_617
64 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
67 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
68 : SETWALL LeftWall_32
69 : GEOM 0 -3.5
70 : WATER -26 0 -18 0 0
71 : ADD Tirante1_429
72 : ENDSTEP
73 : STEP Stage4_714
74 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
75 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
76 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
77 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
78 : SETWALL LeftWall_32
79 : GEOM 0 -8.7
80 : WATER -26 0 -18 0 0
81 : ENDSTEP
82 : STEP Stage5_1682
83 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
86 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
87 : SETWALL LeftWall_32
88 : GEOM 0 -8.7
89 : SURCHARGE 10 0 0 -9
90 : WATER -26 0 -18 0 0
91 : ADD Tirante2_1507
92 : ENDSTEP
93 : STEP Stage6_1779
94 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
95 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
96 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
97 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
```

```
   98 : SETWALL LeftWall_32
   99 : GEOM 0 -12.6
  100 : SURCHARGE 0 0 0 0
  101 : WATER -26 0 -18 0 0
  102 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
---------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /   82  0.0000     -16.200     /   83  0.0000     -16.400     /   84  0.0000     -16.600     /
  85  0.0000     -16.800     /   86  0.0000     -17.000     /   87  0.0000     -17.200     /   88  0.0000     -17.400     /
  89  0.0000     -17.600     /   90  0.0000     -17.800     /   91  0.0000     -18.000     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                           :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000

83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000

31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
|                                  Exe Time :29 July 2019      17:58:39                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.280300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1    0.000     0.000    0.6848     0.000     0.000
    2    2    3    1    0.000     0.000    0.6848     0.000     0.000
    3    3    4    1    0.000     0.000    0.6848     0.000     0.000
    4    4    5    1    0.000     0.000    0.6848     0.000     0.000
    5    5    6    1    0.000     0.000    0.6848     0.000     0.000
    6    6    7    1    0.000     0.000    0.6848     0.000     0.000
    7    7    8    1    0.000     0.000    0.6848     0.000     0.000
    8    8    9    1    0.000     0.000    0.6848     0.000     0.000
    9    9   10    1    0.000     0.000    0.6848     0.000     0.000
   10   10   11    1    0.000     0.000    0.6848     0.000     0.000
   11   11   12    1    0.000     0.000    0.6848     0.000     0.000
   12   12   13    1    0.000     0.000    0.6848     0.000     0.000
   13   13   14    1    0.000     0.000    0.6848     0.000     0.000
   14   14   15    1    0.000     0.000    0.6848     0.000     0.000
   15   15   16    1    0.000     0.000    0.6848     0.000     0.000
   16   16   17    1    0.000     0.000    0.6848     0.000     0.000
   17   17   18    1    0.000     0.000    0.6848     0.000     0.000
   18   18   19    1    0.000     0.000    0.6848     0.000     0.000
   19   19   20    1    0.000     0.000    0.6848     0.000     0.000
   20   20   21    1    0.000     0.000    0.6848     0.000     0.000
   21   21   22    1    0.000     0.000    0.6848     0.000     0.000
   22   22   23    1    0.000     0.000    0.6848     0.000     0.000
   23   23   24    1    0.000     0.000    0.6848     0.000     0.000
   24   24   25    1    0.000     0.000    0.6848     0.000     0.000
   25   25   26    1    0.000     0.000    0.6848     0.000     0.000
   26   26   27    1    0.000     0.000    0.6848     0.000     0.000
   27   27   28    1    0.000     0.000    0.6848     0.000     0.000
   28   28   29    1    0.000     0.000    0.6848     0.000     0.000
   29   29   30    1    0.000     0.000    0.6848     0.000     0.000
   30   30   31    1    0.000     0.000    0.6848     0.000     0.000
   31   31   32    1    0.000     0.000    0.6848     0.000     0.000
   32   32   33    1    0.000     0.000    0.6848     0.000     0.000
   33   33   34    1    0.000     0.000    0.6848     0.000     0.000
   34   34   35    1    0.000     0.000    0.6848     0.000     0.000
```

35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      17:58:39                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   16    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      17:58:39                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                   :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
```

```
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   42    1   0.2106E-04 166.7     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      17:58:39                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   12
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      17:58:39                                              |
+-------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       7.00000    0.0000E+00
```

```
LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   7.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   11
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       7.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   12
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       7.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ................................    2
NO. OF DATA PER LAYER.........................  100
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
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ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
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ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
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ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    12 VALUES


+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                          0.000         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                         -3.500         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
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Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000

Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	10.00	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-9.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-12.60	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

```
 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                              |
|                                  Exe Time :29 July 2019      17:58:39                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          15.2000000000000
 BETA ....                          45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA ....                          30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4412

 NO. OF D.P.W  FOR THIS AREA      10847
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
```

```
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
 |                                  Exe Time :29 July 2019      17:58:39                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
 |                                  Exe Time :29 July 2019      17:58:39                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4147E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4147E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4147E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4147E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4147E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4147E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4147E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.4147E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.4147E+04  -1.600       0.000       1.000       1.000
```

16.11	0.000	0.000	Strato1_2_8_L_0										
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4147E+04	-1.800	0.000	1.000	1.000	
18.13	0.000	0.000	Strato1_2_8_L_0										
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4147E+04	-2.000	0.000	1.000	1.000	
20.14	0.000	0.000	Strato1_2_8_L_0										
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4147E+04	-2.200	0.000	1.000	1.000	
22.15	0.000	0.000	Strato1_2_8_L_0										
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4147E+04	-2.400	0.000	1.000	1.000	
24.17	0.000	0.000	Strato1_2_8_L_0										
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4147E+04	-2.600	0.000	1.000	1.000	
26.18	0.000	0.000	Strato1_2_8_L_0										
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4147E+04	-2.800	0.000	1.000	1.000	
28.20	0.000	0.000	Strato1_2_8_L_0										
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4147E+04	-3.000	0.000	1.000	1.000	
30.21	0.000	0.000	Strato1_2_8_L_0										
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4147E+04	-3.200	0.000	1.000	1.000	
32.22	0.000	0.000	Strato1_2_8_L_0										
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4147E+04	-3.400	0.000	1.000	1.000	
34.24	0.000	0.000	Strato1_2_8_L_0										
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4147E+04	-3.600	0.000	1.000	1.000	
36.25	0.000	0.000	Strato1_2_8_L_0										
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000	
88.62	0.000	0.000	Strato1_2_8_L_0										
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000	
90.63	0.000	0.000	Strato1_2_8_L_0										
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000	
92.64	0.000	0.000	Strato1_2_8_L_0										
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000	
94.66	0.000	0.000	Strato1_2_8_L_0										
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000	
96.67	0.000	0.000	Strato1_2_8_L_0										
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000	
98.69	0.000	0.000	Strato1_2_8_L_0										
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000	
100.7	0.000	0.000	Strato1_2_8_L_0										

52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	4.0020E+04	-12.60	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	4.0020E+04	-12.80	0.000	1.000	1.000
121.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	4.0020E+04	-13.00	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	4.0020E+04	-13.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	4.0020E+04	-13.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	4.0020E+04	-13.60	0.000	1.000	1.000
129.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	4.0020E+04	-13.80	0.000	1.000	1.000
131.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	4.0020E+04	-14.00	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	4.0020E+04	-14.20	0.000	1.000	1.000
135.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	4.0020E+04	-14.40	0.000	1.000	1.000
137.7	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	4.0020E+04	-14.60	0.000	1.000	1.000
139.7	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	4.0020E+04	-14.80	0.000	1.000	1.000
141.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	4.0020E+04	-15.00	0.000	1.000	1.000
143.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	4.0020E+04	-15.20	0.000	1.000	1.000
145.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	4.0020E+04	-15.40	0.000	1.000	1.000
147.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	4.0020E+04	-15.60	0.000	1.000	1.000
149.7	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	4.0020E+04	-15.80	0.000	1.000	1.000
151.7	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	4.0020E+04	-16.00	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	4.0020E+04	-16.20	0.000	1.000	1.000
155.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	4.0020E+04	-16.40	0.000	1.000	1.000
157.7	0.000	0.000	Strato2_3095_82743_L_0									
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	4.0020E+04	-16.60	0.000	1.000	1.000
159.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	4.0020E+04	-16.80	0.000	1.000	1.000
161.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	4.0020E+04	-17.00	0.000	1.000	1.000
163.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	4.0020E+04	-17.20	0.000	1.000	1.000
165.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	4.0020E+04	-17.40	0.000	1.000	1.000
167.7	0.000	0.000	Strato2_3095_82743_L_0									
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	4.0020E+04	-17.60	0.000	1.000	1.000
169.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	4.0020E+04	-17.80	0.000	1.000	1.000
171.7	0.000	0.000	Strato2_3095_82743_L_0									
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	4.0020E+04	-18.00	0.000	1.000	1.000
173.7	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                  Exe Time :29 July 2019      17:58:39                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C   9817.       0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C   9817.     -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C   9817.     -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C   9817.     -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C   9817.     -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C   9817.      -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C   9817.      -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C   9817.      -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C   9817.      -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C   9817.      -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C   9817.      -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C   9817.      -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C   9817.      -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C   9817.      -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C   9817.      -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C   9817.      -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C   9817.      -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C   9817.      -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C   9817.      -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C   9817.      -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C   9817.      -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C   9817.      -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C   9817.      -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C   9817.      -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C   9817.      -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C   9817.      -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C   9817.      -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C   9817.      -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C   9817.      -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C   9817.      -5.800       0.000       1.000       1.000
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58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	9817.	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	9817.	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	9817.	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	9817.	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	9817.	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	9817.	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	9817.	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	9817.	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	9817.	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	9817.	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	9817.	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	9817.	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000	
88.62	0.000	0.000	Strato1_2_8_L_0										
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000	
90.63	0.000	0.000	Strato1_2_8_L_0										
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000	
92.64	0.000	0.000	Strato1_2_8_L_0										
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000	
94.66	0.000	0.000	Strato1_2_8_L_0										
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000	
96.67	0.000	0.000	Strato1_2_8_L_0										
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000	
98.69	0.000	0.000	Strato1_2_8_L_0										
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000	
100.7	0.000	0.000	Strato1_2_8_L_0										
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000	
102.7	0.000	0.000	Strato1_2_8_L_0										
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000	
104.7	0.000	0.000	Strato1_2_8_L_0										
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000	
106.7	0.000	0.000	Strato1_2_8_L_0										
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000	
108.8	0.000	0.000	Strato1_2_8_L_0										
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato1_2_8_L_0										
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000	
112.8	0.000	0.000	Strato1_2_8_L_0										
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000	
114.8	0.000	0.000	Strato1_2_8_L_0										
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000	
116.8	0.000	0.000	Strato1_2_8_L_0										
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato1_2_8_L_0										
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000	
120.8	0.000	0.000	Strato1_2_8_L_0										
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000	
122.9	0.000	0.000	Strato1_2_8_L_0										
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	9817.	-12.40	0.000	1.000	1.000	
124.9	0.000	0.000	Strato1_2_8_L_0										
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	2.1690E+04	-12.60	0.000	1.000	1.000	
119.7	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	2.1690E+04	-12.80	0.000	1.000	1.000	
121.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	2.1690E+04	-13.00	0.000	1.000	1.000	
123.7	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	2.1690E+04	-13.20	0.000	1.000	1.000	
125.7	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	2.1690E+04	-13.40	0.000	1.000	1.000	
127.7	0.000	0.000	Strato2_3095_82743_L_0										
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	2.1690E+04	-13.60	0.000	1.000	1.000	
129.7	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	2.1690E+04	-13.80	0.000	1.000	1.000	
131.7	0.000	0.000	Strato2_3095_82743_L_0										
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	2.1690E+04	-14.00	0.000	1.000	1.000	
133.7	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	2.1690E+04	-14.20	0.000	1.000	1.000	
135.7	0.000	0.000	Strato2_3095_82743_L_0										

73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	2.1690E+04	-14.40	0.000	1.000	1.000	
137.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	2.1690E+04	-14.60	0.000	1.000	1.000	
139.7	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	2.1690E+04	-14.80	0.000	1.000	1.000	
141.7	0.000	0.000	Strato2_3095_82743_L_0										
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	2.1690E+04	-15.00	0.000	1.000	1.000	
143.7	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	2.1690E+04	-15.20	0.000	1.000	1.000	
145.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	2.1690E+04	-15.40	0.000	1.000	1.000	
147.7	0.000	0.000	Strato2_3095_82743_L_0										
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	2.1690E+04	-15.60	0.000	1.000	1.000	
149.7	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	2.1690E+04	-15.80	0.000	1.000	1.000	
151.7	0.000	0.000	Strato2_3095_82743_L_0										
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	2.1690E+04	-16.00	0.000	1.000	1.000	
153.7	0.000	0.000	Strato2_3095_82743_L_0										
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	2.1690E+04	-16.20	0.000	1.000	1.000	
155.7	0.000	0.000	Strato2_3095_82743_L_0										
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	2.1690E+04	-16.40	0.000	1.000	1.000	
157.7	0.000	0.000	Strato2_3095_82743_L_0										
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	2.1690E+04	-16.60	0.000	1.000	1.000	
159.7	0.000	0.000	Strato2_3095_82743_L_0										
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	2.1690E+04	-16.80	0.000	1.000	1.000	
161.7	0.000	0.000	Strato2_3095_82743_L_0										
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	2.1690E+04	-17.00	0.000	1.000	1.000	
163.7	0.000	0.000	Strato2_3095_82743_L_0										
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	2.1690E+04	-17.20	0.000	1.000	1.000	
165.7	0.000	0.000	Strato2_3095_82743_L_0										
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	2.1690E+04	-17.40	0.000	1.000	1.000	
167.7	0.000	0.000	Strato2_3095_82743_L_0										
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	2.1690E+04	-17.60	0.000	1.000	1.000	
169.7	0.000	0.000	Strato2_3095_82743_L_0										
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	2.1690E+04	-17.80	0.000	1.000	1.000	
171.7	0.000	0.000	Strato2_3095_82743_L_0										
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	2.1690E+04	-18.00	0.000	1.000	1.000	
173.7	0.000	0.000	Strato2_3095_82743_L_0										

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
 |                                                                                                                   |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                 |
 |                                   Exe Time :29 July 2019      17:58:39                                            |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
     9  0.0000      0.0000      0.0000      0.0000
    10  0.0000      0.0000      0.0000      0.0000
    11  0.0000      0.0000      0.0000      0.0000
    12  0.0000      0.0000      0.0000      0.0000
    13  0.0000      0.0000      0.0000      0.0000
    14  0.0000      0.0000      0.0000      0.0000
    15  0.0000      0.0000      0.0000      0.0000
    16  0.0000      0.0000      0.0000      0.0000
    17  0.0000      0.0000      0.0000      0.0000
    18  0.0000      0.0000      0.0000      0.0000
    19  0.0000      0.0000      0.0000      0.0000
    20  0.0000      0.0000      0.0000      0.0000
    21  0.0000      0.0000      0.0000      0.0000
    22  0.0000      0.0000      0.0000      0.0000
    23  0.0000      0.0000      0.0000      0.0000
    24  0.0000      0.0000      0.0000      0.0000
```

25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000
90	0.0000	0.0000	0.0000	0.0000

```
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 1557.     REMNOR= 0.000     RATIO =0.1454     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1454     RATIOR= 0.000
           MAX UN= 8.691     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 103.3     REMNOR=0.2133E-19 RATIO =0.3745E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.3745E-01 RATIOR= 0.000
           MAX UN= 4.055     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2147E-09 IEQ=   165 NODE     83 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 114.5     REMNOR=0.1578E-18 RATIO =0.3942E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.3942E-01 RATIOR= 0.000
           MAX UN= 6.019     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.3039E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM= 10.34     REMNOR=0.6492E-19 RATIO =0.1185E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1185E-01 RATIOR= 0.000
           MAX UN= 2.465     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2143E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM=0.5334E-02 REMNOR=0.5492E-19 RATIO =0.2691E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.2691E-03 RATIOR= 0.000
           MAX UN=0.7279E-01 IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.7813E-09 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7367E+05 RIMNOR= 0.000
           RENORM=0.1577E-16 REMNOR=0.5331E-19 RATIO =0.1463E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7367E+05 RDR   = 0.000
           RATIOT=0.1463E-10 RATIOR= 0.000
           MAX UN=0.1705E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.1694E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                Exe Time :29 July 2019      17:58:39                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   7.6712020E-03  -1.1433850E-03
    2   7.4425262E-03  -1.1433668E-03
    3   7.2138595E-03  -1.1432844E-03
    4   6.9852206E-03  -1.1430789E-03
    5   6.7566410E-03  -1.1426778E-03
    6   6.5281682E-03  -1.1419953E-03
    7   6.2998681E-03  -1.1409337E-03
    8   6.0718273E-03  -1.1393835E-03
    9   5.8441554E-03  -1.1372237E-03
   10   5.6169872E-03  -1.1343230E-03
   11   5.3904850E-03  -1.1305398E-03
   12   5.1648404E-03  -1.1257208E-03
   13   4.9402767E-03  -1.1197017E-03
   14   4.7170514E-03  -1.1123068E-03
   15   4.4954581E-03  -1.1033491E-03
   16   4.2758291E-03  -1.0926306E-03
   17   4.0585372E-03  -1.0799426E-03
   18   3.8439980E-03  -1.0650657E-03
   19   3.6326722E-03  -1.0477696E-03
   20   3.4250652E-03  -1.0278490E-03
   21   3.2217147E-03  -1.0051969E-03
   22   3.0231666E-03  -9.7984122E-04
   23   2.8299476E-03  -9.5194436E-04
   24   2.6425427E-03  -9.2175384E-04
   25   2.4613823E-03  -8.8953410E-04
   26   2.2868468E-03  -8.5554955E-04
   27   2.1192626E-03  -8.2006400E-04
   28   1.9589036E-03  -7.8334109E-04
   29   1.8059918E-03  -7.4564485E-04
   30   1.6606938E-03  -7.0723929E-04
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31	1.5231257E-03	-6.6838990E-04
32	1.3933496E-03	-6.2936355E-04
33	1.2713742E-03	-5.9042838E-04
34	1.1571553E-03	-5.5183737E-04
35	1.0506019E-03	-5.1381341E-04
36	9.5157974E-04	-4.7655052E-04
37	8.5991977E-04	-4.4021694E-04
38	7.7542144E-04	-4.0495623E-04
39	6.9785769E-04	-3.7088940E-04
40	6.2697972E-04	-3.3811717E-04
41	5.6251943E-04	-3.0672113E-04
42	5.0419410E-04	-2.7676537E-04
43	4.5171275E-04	-2.4829982E-04
44	4.0477279E-04	-2.2135848E-04
45	3.6306656E-04	-1.9596279E-04
46	3.2628394E-04	-1.7212318E-04
47	2.9411359E-04	-1.4983894E-04
48	2.6624545E-04	-1.2909837E-04
49	2.4237289E-04	-1.0987989E-04
50	2.2219417E-04	-9.2153092E-05
51	2.0541470E-04	-7.5880593E-05
52	1.9174776E-04	-6.1018706E-05
53	1.8091625E-04	-4.7519236E-05
54	1.7265275E-04	-3.5329578E-05
55	1.6670078E-04	-2.4394525E-05
56	1.6281511E-04	-1.4656916E-05
57	1.6076209E-04	-6.0581132E-06
58	1.6031991E-04	1.4613498E-06
59	1.6127865E-04	7.9611786E-06
60	1.6344037E-04	1.3500820E-05
61	1.6661889E-04	1.8139015E-05
62	1.7063970E-04	2.1933195E-05
63	1.7533962E-04	2.4939168E-05
64	1.8056644E-04	2.7211118E-05
65	1.8617991E-04	2.8820719E-05
66	1.9205640E-04	2.9855399E-05
67	1.9808921E-04	3.0397206E-05
68	2.0418721E-04	3.0522639E-05
69	2.1027492E-04	3.0302548E-05
70	2.1628953E-04	2.9801890E-05
71	2.2218092E-04	2.9079812E-05
72	2.2791027E-04	2.8189939E-05
73	2.3344892E-04	2.7180500E-05
74	2.3877736E-04	2.6094502E-05
75	2.4388415E-04	2.4969906E-05
76	2.4876496E-04	2.3839836E-05
77	2.5342161E-04	2.2732597E-05
78	2.5786110E-04	2.1671889E-05
79	2.6209476E-04	2.0677193E-05
80	2.6613741E-04	1.9763966E-05
81	2.7000656E-04	1.8943822E-05
82	2.7372167E-04	1.8224705E-05
83	2.7730347E-04	1.7611033E-05
84	2.8077319E-04	1.7103835E-05
85	2.8415211E-04	1.6700684E-05
86	2.8746019E-04	1.6395868E-05
87	2.9071642E-04	1.6180505E-05
88	2.9393756E-04	1.6042699E-05
89	2.9713767E-04	1.5967544E-05
90	3.0032756E-04	1.5937166E-05
91	3.0351413E-04	1.5930725E-05

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+-----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                         |
|                                   Exe Time :29 July 2019      17:58:39                                    |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                            :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.7661	-7.6712E-03	25.20	7.661	25.20	13.36	ACTIVE	0.000	0.000	0.000	1.000	1.000	7.661	0.000	0.000	Strato1_2_8_L_0
2	D	1.173	-7.4425E-03	19.29	5.865	19.29	10.22	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	5.865	0.000	0.000	Strato1_2_8_L_0
3	D	1.310	-7.2139E-03	21.54	6.548	21.54	11.42	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	6.548	0.000	0.000	Strato1_2_8_L_0
4	D	1.737	-6.9852E-03	28.56	8.683	28.56	15.14	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	8.683	0.000	0.000	Strato1_2_8_L_0
5	D	1.886	-6.7566E-03	31.02	9.431	31.02	16.44	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.431	0.000	0.000	Strato1_2_8_L_0
6	D	2.224	-6.5282E-03	36.58	11.12	36.58	19.39	ACTIVE	0.000	-1.000	0.000	1.000	1.000	11.12	0.000	0.000	Strato1_2_8_L_0
7	D	2.393	-6.2999E-03	39.36	11.96	39.36	20.86	ACTIVE	0.000	-1.200	0.000	1.000	1.000	11.96	0.000	0.000	Strato1_2_8_L_0
8	D	2.697	-6.0718E-03	44.36	13.49	44.36	23.51	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.49	0.000	0.000	Strato1_2_8_L_0
9	D	2.838	-5.8442E-03	46.68	14.19	46.68	24.74	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.19	0.000	0.000	Strato1_2_8_L_0
10	D	3.129	-5.6170E-03	51.47	15.65	51.47	27.28	ACTIVE	0.000	-1.800	0.000	1.000	1.000	15.65	0.000	0.000	Strato1_2_8_L_0
11	D	3.323	-5.3905E-03	54.65	16.61	54.65	28.97	ACTIVE	0.000	-2.000	0.000	1.000	1.000	16.61	0.000	0.000	Strato1_2_8_L_0
12	D	3.602	-5.1648E-03	59.24	18.01	59.24	31.40	ACTIVE	0.000	-2.200	0.000	1.000	1.000	18.01	0.000	0.000	Strato1_2_8_L_0
13	D	3.800	-4.9403E-03	62.51	19.00	62.51	33.13	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_2_8_L_0
14	D	4.071	-4.7171E-03	66.96	20.36	66.96	35.49	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.36	0.000	0.000	Strato1_2_8_L_0
15	D	4.274	-4.4955E-03	70.29	21.37	70.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.37	0.000	0.000	Strato1_2_8_L_0
16	D	4.516	-4.2758E-03	74.27	22.58	74.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000	22.58	0.000	0.000	Strato1_2_8_L_0
17	D	4.723	-4.0585E-03	77.68	23.61	77.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
18	D	4.985	-3.8440E-03	81.99	24.92	81.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000	24.92	0.000	0.000	Strato1_2_8_L_0
19	D	5.194	-3.6327E-03	85.43	25.97	85.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000	25.97	0.000	0.000	Strato1_2_8_L_0
20	D	5.452	-3.4251E-03	89.67	27.26	89.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000	27.26	0.000	0.000	Strato1_2_8_L_0
21	D	5.663	-3.2217E-03	93.15	28.32	93.15	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	28.32	0.000	0.000	Strato1_2_8_L_0
22	D	5.919	-3.0232E-03	97.35	29.59	97.35	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000	29.59	0.000	0.000	Strato1_2_8_L_0
23	D	6.131	-2.8299E-03	100.8	30.66	100.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000	30.66	0.000	0.000	Strato1_2_8_L_0
24	D	6.369	-2.6425E-03	104.8	31.85	104.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000	31.85	0.000	0.000	Strato1_2_8_L_0
25	D	6.584	-2.4614E-03	108.3	32.92	108.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000	32.92	0.000	0.000	Strato1_2_8_L_0
26	D	6.836	-2.2868E-03	112.4	34.18	112.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000	34.18	0.000	0.000	Strato1_2_8_L_0
27	D	7.051	-2.1193E-03	116.0	35.26	116.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000	35.26	0.000	0.000	Strato1_2_8_L_0
28	D	7.301	-1.9589E-03	120.1	36.51	120.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000	36.51	0.000	0.000	Strato1_2_8_L_0
29	D	7.518	-1.8060E-03	123.7	37.59	123.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000	37.59	0.000	0.000	Strato1_2_8_L_0
30	D	7.767	-1.6607E-03	127.7	38.83	127.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

38.83	0.000	0.000	Strato1_2_8_L_0										
31 D	7.972	-1.5231E-03	131.1	39.86	131.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
39.86	0.000	0.000	Strato1_2_8_L_0										
32 D	8.249	-1.3933E-03	135.2	41.24	135.2	71.66	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000	
41.24	0.000	0.000	Strato1_2_8_L_0										
33 D	9.162	-1.2714E-03	138.8	45.81	138.8	73.56	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000	
45.81	0.000	0.000	Strato1_2_8_L_0										
34 D	10.09	-1.1572E-03	142.9	50.45	142.9	75.71	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000	
50.45	0.000	0.000	Strato1_2_8_L_0										
35 D	10.94	-1.0506E-03	146.5	54.69	146.5	77.62	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000	
54.69	0.000	0.000	Strato1_2_8_L_0										
36 D	11.80	-9.5158E-04	150.5	58.99	150.5	79.76	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000	
58.99	0.000	0.000	Strato1_2_8_L_0										
37 D	12.58	-8.5992E-04	154.1	62.91	154.1	81.68	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000	
62.91	0.000	0.000	Strato1_2_8_L_0										
38 D	13.38	-7.7542E-04	158.1	66.89	158.1	83.81	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000	
66.89	0.000	0.000	Strato1_2_8_L_0										
39 D	14.08	-6.9786E-04	161.6	70.42	161.6	85.65	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000	
70.42	0.000	0.000	Strato1_2_8_L_0										
40 D	14.82	-6.2698E-04	165.6	74.10	165.6	87.78	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000	
74.10	0.000	0.000	Strato1_2_8_L_0										
41 D	15.49	-5.6252E-04	169.3	77.43	169.3	89.71	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000	
77.43	0.000	0.000	Strato1_2_8_L_0										
42 D	16.17	-5.0419E-04	173.3	80.83	173.3	91.83	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000	
80.83	0.000	0.000	Strato1_2_8_L_0										
43 D	16.78	-4.5171E-04	176.9	83.90	176.9	93.76	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000	
83.90	0.000	0.000	Strato1_2_8_L_0										
44 D	17.41	-4.0477E-04	180.9	87.04	180.9	95.88	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000	
87.04	0.000	0.000	Strato1_2_8_L_0										
45 D	17.98	-3.6307E-04	184.5	89.89	184.5	97.81	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000	
89.89	0.000	0.000	Strato1_2_8_L_0										
46 D	18.55	-3.2628E-04	188.4	92.73	188.4	99.86	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000	
92.73	0.000	0.000	Strato1_2_8_L_0										
47 D	19.07	-2.9411E-04	192.1	95.37	192.1	101.8	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000	
95.37	0.000	0.000	Strato1_2_8_L_0										
48 D	19.62	-2.6625E-04	196.0	98.09	196.0	103.9	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000	
98.09	0.000	0.000	Strato1_2_8_L_0										
49 D	20.11	-2.4237E-04	199.7	100.6	199.7	105.8	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000	
100.6	0.000	0.000	Strato1_2_8_L_0										
50 D	20.62	-2.2219E-04	203.7	103.1	203.7	107.9	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000	
103.1	0.000	0.000	Strato1_2_8_L_0										
51 D	21.08	-2.0541E-04	207.3	105.4	207.3	109.9	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000	
105.4	0.000	0.000	Strato1_2_8_L_0										
52 D	21.56	-1.9175E-04	211.3	107.8	211.3	112.0	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000	
107.8	0.000	0.000	Strato1_2_8_L_0										
53 D	22.00	-1.8092E-04	215.0	110.0	215.0	113.9	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000	
110.0	0.000	0.000	Strato1_2_8_L_0										
54 D	22.44	-1.7265E-04	218.8	112.2	218.8	116.0	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000	
112.2	0.000	0.000	Strato1_2_8_L_0										
55 D	22.86	-1.6670E-04	222.5	114.3	222.5	117.9	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000	
114.3	0.000	0.000	Strato1_2_8_L_0										
56 D	23.29	-1.6282E-04	226.5	116.5	226.5	120.0	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000	
116.5	0.000	0.000	Strato1_2_8_L_0										
57 D	23.69	-1.6076E-04	230.1	118.5	230.1	122.0	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000	
118.5	0.000	0.000	Strato1_2_8_L_0										
58 D	24.11	-1.6032E-04	234.1	120.6	234.1	124.1	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000	
120.6	0.000	0.000	Strato1_2_8_L_0										
59 D	24.50	-1.6128E-04	237.8	122.5	237.8	126.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000	
122.5	0.000	0.000	Strato1_2_8_L_0										
60 D	24.91	-1.6344E-04	241.7	124.5	241.7	128.1	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000	
124.5	0.000	0.000	Strato1_2_8_L_0										
61 D	25.27	-1.6662E-04	245.3	126.4	245.3	130.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000	
126.4	0.000	0.000	Strato1_2_8_L_0										
62 D	25.67	-1.7064E-04	249.2	128.4	249.2	132.1	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000	
128.4	0.000	0.000	Strato1_2_8_L_0										
63 D	26.04	-1.7534E-04	252.9	130.2	252.9	134.1	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000	
130.2	0.000	0.000	Strato1_2_8_L_0										
64 D	23.46	-1.8057E-04	256.9	117.3	256.9	128.4	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000	
117.3	0.000	0.000	Strato2_3095_82743_L_0										
65 D	23.78	-1.8618E-04	260.8	118.9	260.8	130.4	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000	
118.9	0.000	0.000	Strato2_3095_82743_L_0										
66 D	24.12	-1.9206E-04	264.9	120.6	264.9	132.4	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000	
120.6	0.000	0.000	Strato2_3095_82743_L_0										
67 D	24.43	-1.9809E-04	268.8	122.2	268.8	134.4	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000	
122.2	0.000	0.000	Strato2_3095_82743_L_0										
68 D	24.77	-2.0419E-04	272.9	123.8	272.9	136.5	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000	
123.8	0.000	0.000	Strato2_3095_82743_L_0										
69 D	25.08	-2.1027E-04	276.7	125.4	276.7	138.4	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000	
125.4	0.000	0.000	Strato2_3095_82743_L_0										
70 D	25.41	-2.1629E-04	280.8	127.1	280.8	140.4	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000	
127.1	0.000	0.000	Strato2_3095_82743_L_0										
71 D	25.73	-2.2218E-04	284.7	128.7	284.7	142.4	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000	
128.7	0.000	0.000	Strato2_3095_82743_L_0										
72 D	26.07	-2.2791E-04	288.9	130.4	288.9	144.4	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000	
130.4	0.000	0.000	Strato2_3095_82743_L_0										

73 D	26.39	-2.3345E-04	292.8	132.0	292.8	146.4	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
132.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.74	-2.3878E-04	296.9	133.7	296.9	148.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.07	-2.4388E-04	300.8	135.3	300.8	150.4	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
135.3	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.41	-2.4876E-04	304.8	137.1	304.8	152.4	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
137.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.74	-2.5342E-04	308.7	138.7	308.7	154.4	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
138.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.10	-2.5786E-04	312.9	140.5	312.9	156.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.5	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.44	-2.6209E-04	316.8	142.2	316.8	158.4	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.80	-2.6614E-04	320.9	144.0	320.9	160.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.0	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.14	-2.7001E-04	324.8	145.7	324.8	162.4	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
145.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.51	-2.7372E-04	328.9	147.5	328.9	164.4	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
147.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.86	-2.7730E-04	332.8	149.3	332.8	166.4	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.22	-2.8077E-04	336.8	151.1	336.8	168.4	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.57	-2.8415E-04	340.8	152.8	340.8	170.4	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
152.8	0.000	0.000	Strato2_3095_82743_L_0									
86 D	30.94	-2.8746E-04	344.9	154.7	344.9	172.4	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
154.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.29	-2.9072E-04	348.8	156.4	348.8	174.4	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.4	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.66	-2.9394E-04	352.9	158.3	352.9	176.4	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.01	-2.9714E-04	356.8	160.1	356.8	178.4	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.1	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.38	-3.0033E-04	360.9	161.9	360.9	180.4	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
161.9	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.36	-3.0351E-04	364.8	163.6	364.8	182.4	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
163.6	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                      |
|                                   Exe Time :29 July 2019      17:58:39                                 |
+---------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                                 :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S       2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	1.536	3.6327E-03	1.900	7.678	68.40	36.25	PASSIVE	0.000	-3.600	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
20 D	4.607	3.4251E-03	5.700	23.03	72.20	38.27	PASSIVE	0.000	-3.800	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
21 D	7.678	3.2217E-03	9.500	38.39	76.00	40.28	PASSIVE	0.000	-4.000	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
22 D	10.75	3.0232E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
23 D	11.72	2.8299E-03	17.10	58.60	83.60	58.60	V-C	5049.	-4.400	0.000	1.000	1.000	58.60	0.000	0.000	Strato1_2_8_L_0
24 D	11.93	2.6425E-03	20.90	59.66	87.40	59.66	V-C	5049.	-4.600	0.000	1.000	1.000	59.66	0.000	0.000	Strato1_2_8_L_0
25 D	12.15	2.4614E-03	24.70	60.76	91.20	60.76	V-C	5049.	-4.800	0.000	1.000	1.000	60.76	0.000	0.000	Strato1_2_8_L_0
26 D	12.38	2.2868E-03	28.50	61.90	95.00	61.90	V-C	5049.	-5.000	0.000	1.000	1.000	61.90	0.000	0.000	Strato1_2_8_L_0
27 D	12.61	2.1193E-03	32.30	63.06	98.80	63.06	V-C	5049.	-5.200	0.000	1.000	1.000	63.06	0.000	0.000	Strato1_2_8_L_0
28 D	12.85	1.9589E-03	36.10	64.27	102.6	64.27	V-C	5049.	-5.400	0.000	1.000	1.000	64.27	0.000	0.000	Strato1_2_8_L_0
29 D	13.10	1.8060E-03	39.90	65.51	106.4	65.51	V-C	5049.	-5.600	0.000	1.000	1.000	65.51	0.000	0.000	Strato1_2_8_L_0
30 D	13.36	1.6607E-03	43.70	66.79	110.2	66.79	V-C	5049.	-5.800	0.000	1.000	1.000				

66.79	0.000	0.000	Strato1_2_8_L_0									
31 D	13.62	1.5231E-03	47.50	68.11	114.0	68.11	V-C	5049.	-6.000	0.000	1.000	1.000
68.11	0.000	0.000	Strato1_2_8_L_0									
32 D	13.89	1.3933E-03	51.30	69.47	117.8	69.47	V-C	5049.	-6.200	0.000	1.000	1.000
69.47	0.000	0.000	Strato1_2_8_L_0									
33 D	14.17	1.2714E-03	55.10	70.87	121.6	70.87	V-C	5049.	-6.400	0.000	1.000	1.000
70.87	0.000	0.000	Strato1_2_8_L_0									
34 D	14.46	1.1572E-03	58.90	72.30	125.4	72.30	V-C	5049.	-6.600	0.000	1.000	1.000
72.30	0.000	0.000	Strato1_2_8_L_0									
35 D	14.76	1.0506E-03	62.70	73.78	129.2	73.78	V-C	5049.	-6.800	0.000	1.000	1.000
73.78	0.000	0.000	Strato1_2_8_L_0									
36 D	15.06	9.5158E-04	66.50	75.29	133.0	75.29	V-C	5049.	-7.000	0.000	1.000	1.000
75.29	0.000	0.000	Strato1_2_8_L_0									
37 D	15.37	8.5992E-04	70.30	76.85	136.8	76.85	V-C	5049.	-7.200	0.000	1.000	1.000
76.85	0.000	0.000	Strato1_2_8_L_0									
38 D	15.69	7.7542E-04	74.10	78.43	140.6	78.43	V-C	5049.	-7.400	0.000	1.000	1.000
78.43	0.000	0.000	Strato1_2_8_L_0									
39 D	16.01	6.9786E-04	77.90	80.06	144.4	80.06	V-C	5049.	-7.600	0.000	1.000	1.000
80.06	0.000	0.000	Strato1_2_8_L_0									
40 D	16.34	6.2698E-04	81.70	81.71	148.2	81.71	V-C	5049.	-7.800	0.000	1.000	1.000
81.71	0.000	0.000	Strato1_2_8_L_0									
41 D	16.68	5.6252E-04	85.50	83.40	152.0	83.40	V-C	5049.	-8.000	0.000	1.000	1.000
83.40	0.000	0.000	Strato1_2_8_L_0									
42 D	17.02	5.0419E-04	89.30	85.12	155.8	85.12	V-C	5049.	-8.200	0.000	1.000	1.000
85.12	0.000	0.000	Strato1_2_8_L_0									
43 D	17.37	4.5171E-04	93.10	86.87	159.6	86.87	V-C	5049.	-8.400	0.000	1.000	1.000
86.87	0.000	0.000	Strato1_2_8_L_0									
44 D	17.73	4.0477E-04	96.90	88.65	163.4	88.65	V-C	5049.	-8.600	0.000	1.000	1.000
88.65	0.000	0.000	Strato1_2_8_L_0									
45 D	18.09	3.6307E-04	100.7	90.45	167.2	90.45	V-C	5049.	-8.800	0.000	1.000	1.000
90.45	0.000	0.000	Strato1_2_8_L_0									
46 D	18.40	3.2628E-04	104.5	92.02	171.0	92.41	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000
92.02	0.000	0.000	Strato1_2_8_L_0									
47 D	18.72	2.9411E-04	108.3	93.62	174.8	94.38	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000
93.62	0.000	0.000	Strato1_2_8_L_0									
48 D	19.06	2.6625E-04	112.1	95.28	178.6	96.36	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000
95.28	0.000	0.000	Strato1_2_8_L_0									
49 D	19.40	2.4237E-04	115.9	97.00	182.4	98.35	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000
97.00	0.000	0.000	Strato1_2_8_L_0									
50 D	19.75	2.2219E-04	119.7	98.76	186.2	100.3	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
98.76	0.000	0.000	Strato1_2_8_L_0									
51 D	20.11	2.0541E-04	123.5	100.6	190.0	102.3	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
100.6	0.000	0.000	Strato1_2_8_L_0									
52 D	20.49	1.9175E-04	127.3	102.4	193.8	104.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
102.4	0.000	0.000	Strato1_2_8_L_0									
53 D	20.86	1.8092E-04	131.1	104.3	197.6	106.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
104.3	0.000	0.000	Strato1_2_8_L_0									
54 D	21.25	1.7265E-04	134.9	106.2	201.4	108.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
106.2	0.000	0.000	Strato1_2_8_L_0									
55 D	21.64	1.6670E-04	138.7	108.2	205.2	110.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
56 D	22.04	1.6282E-04	142.5	110.2	209.0	112.3	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
110.2	0.000	0.000	Strato1_2_8_L_0									
57 D	22.44	1.6076E-04	146.3	112.2	212.8	114.3	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
112.2	0.000	0.000	Strato1_2_8_L_0									
58 D	22.85	1.6032E-04	150.1	114.2	216.6	116.3	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
114.2	0.000	0.000	Strato1_2_8_L_0									
59 D	23.26	1.6128E-04	153.9	116.3	220.4	118.3	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
116.3	0.000	0.000	Strato1_2_8_L_0									
60 D	23.67	1.6344E-04	157.7	118.4	224.2	120.3	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
61 D	24.09	1.6662E-04	161.5	120.4	228.0	122.3	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
120.4	0.000	0.000	Strato1_2_8_L_0									
62 D	24.51	1.7064E-04	165.3	122.5	231.8	124.3	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
122.5	0.000	0.000	Strato1_2_8_L_0									
63 D	24.93	1.7534E-04	169.1	124.6	235.6	126.3	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
124.6	0.000	0.000	Strato1_2_8_L_0									
64 D	21.55	1.8057E-04	172.9	107.8	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000
107.8	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.00	1.8618E-04	176.9	110.0	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000
110.0	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.44	1.9206E-04	180.9	112.2	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000
112.2	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.89	1.9809E-04	184.9	114.4	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
114.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.33	2.0419E-04	188.9	116.7	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
116.7	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.78	2.1027E-04	192.9	118.9	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
118.9	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.22	2.1629E-04	196.9	121.1	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
121.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.66	2.2218E-04	200.9	123.3	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
123.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.11	2.2791E-04	204.9	125.5	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									

73 D	25.55	2.3345E-04	208.9	127.7	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.99	2.3878E-04	212.9	129.9	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
129.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.43	2.4388E-04	216.9	132.1	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.86	2.4876E-04	220.9	134.3	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
134.3	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.30	2.5342E-04	224.9	136.5	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
136.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.73	2.5786E-04	228.9	138.6	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
138.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.16	2.6209E-04	232.9	140.8	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
140.8	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.59	2.6614E-04	236.9	143.0	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
143.0	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.02	2.7001E-04	240.9	145.1	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
145.1	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.45	2.7372E-04	244.9	147.2	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
147.2	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.87	2.7730E-04	248.9	149.4	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.30	2.8077E-04	252.9	151.5	319.4	159.7	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.5	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.73	2.8415E-04	256.9	153.6	323.4	161.7	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.6	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.15	2.8746E-04	260.9	155.8	327.4	163.7	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.57	2.9072E-04	264.9	157.9	331.4	165.7	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
157.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.00	2.9394E-04	268.9	160.0	335.4	167.7	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.0	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.42	2.9714E-04	272.9	162.1	339.4	169.7	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.1	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.85	3.0033E-04	276.9	164.2	343.4	171.7	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.2	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.63	3.0351E-04	280.9	166.3	347.4	173.7	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.3	0.000	0.000	Strato2_3095_82743_L_0									

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 0.76608    -0.76608     7.10700E-11 0.15322
    2  1.9391     -1.9391    -0.15322     0.54103
    3  3.2487     -3.2487    -0.54103      1.1908
    4  4.9853     -4.9853     -1.1908      2.1878
    5  6.8716     -6.8716     -2.1878      3.5621
    6  9.0954     -9.0954     -3.5621      5.3812
    7  11.488     -11.488     -5.3812      7.6789
    8  14.185     -14.185     -7.6789      10.516
    9  17.023     -17.023     -10.516      13.921
   10  20.153     -20.153     -13.921      17.951
   11  23.475     -23.475     -17.951      22.646
   12  27.077     -27.077     -22.646      28.062
   13  30.878     -30.878     -28.062      34.237
   14  34.949     -34.949     -34.237      41.227
   15  39.222     -39.222     -41.227      49.071
   16  43.738     -43.738     -49.071      57.819
   17  48.461     -48.461     -57.819      67.511
   18  53.446     -53.446     -67.511      78.200
   19  57.104     -57.104     -78.200      89.621
   20  57.950     -57.950     -89.621      101.21
   21  55.935     -55.935     -101.21      112.40
   22  51.105     -51.105     -112.40      122.62
   23  45.517     -45.517     -122.62      131.72
   24  39.953     -39.953     -131.72      139.71
   25  34.385     -34.385     -139.71      146.59
   26  28.841     -28.841     -146.59      152.36
   27  23.280     -23.280     -152.36      157.01
   28  17.727     -17.727     -157.01      160.56
   29  12.143     -12.143     -160.56      162.99
   30  6.5518     -6.5518     -162.99      164.30
   31 0.90221    -0.90221     -164.30      164.48
   32 -4.7428     4.7428      -164.48      163.53
   33 -9.7540     9.7540      -163.53      161.58
   34 -14.124     14.124      -161.58      158.76
   35 -17.942     17.942      -158.76      155.17
   36 -21.202     21.202      -155.17      150.93
   37 -23.990     23.990      -150.93      146.13
   38 -26.299     26.299      -146.13      140.87
   39 -28.226     28.226      -140.87      135.22
   40 -29.749     29.749      -135.22      129.27
   41 -30.943     30.943      -129.27      123.08
   42 -31.802     31.802      -123.08      116.72
   43 -32.396     32.396      -116.72      110.24
   44 -32.717     32.717      -110.24      103.70
   45 -32.829     32.829      -103.70      97.136
   46 -32.687     32.687      -97.136      90.598
   47 -32.336     32.336      -90.598      84.131
   48 -31.774     31.774      -84.131      77.776
   49 -31.063     31.063      -77.776      71.563
   50 -30.196     30.196      -71.563      65.524
   51 -29.229     29.229      -65.524      59.679
   52 -28.153     28.153      -59.679      54.048
   53 -27.020     27.020      -54.048      48.644
   54 -25.828     25.828      -48.644      43.478
   55 -24.612     24.612      -43.478      38.556
   56 -23.358     23.358      -38.556      33.885
   57 -22.107     22.107      -33.885      29.463
   58 -20.843     20.843      -29.463      25.295
   59 -19.603     19.603      -25.295      21.374
   60 -18.368     18.368      -21.374      17.700
   61 -17.184     17.184      -17.700      14.264
   62 -16.018     16.018      -14.264      11.060
   63 -14.901     14.901      -11.060      8.0799
```

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   64 -12.999      12.999     -8.0799      5.4802
   65 -11.219      11.219     -5.4802      3.2365
   66 -9.5425      9.5425     -3.2365      1.3280
   67 -7.9964      7.9964     -1.3280    -0.27122
   68 -6.5586      6.5586     0.27122     -1.5829
   69 -5.2596      5.2596      1.5829     -2.6349
   70 -4.0672      4.0672      2.6349     -3.4483
   71 -3.0008      3.0008      3.4483     -4.0485
   72 -2.0356      2.0356      4.0485     -4.4556
   73 -1.1892      1.1892      4.4556     -4.6934
   74-0.43659     0.43659      4.6934     -4.7807
   75 0.20601    -0.20601      4.7807     -4.7395
   76 0.75566    -0.75566      4.7395     -4.5884
   77  1.2044     -1.2044      4.5884     -4.3475
   78  1.5762     -1.5762      4.3475     -4.0323
   79  1.8555     -1.8555      4.0323     -3.6612
   80  2.0654     -2.0654      3.6612     -3.2481
   81  2.1901     -2.1901      3.2481     -2.8101
   82  2.2515     -2.2515      2.8101     -2.3598
   83  2.2335     -2.2335      2.3598     -1.9131
   84  2.1499     -2.1499      1.9131     -1.4831
   85  1.9912     -1.9912      1.4831     -1.0848
   86  1.7768     -1.7768      1.0848    -0.72948
   87  1.4900     -1.4900     0.72948    -0.43147
   88  1.1490     -1.1490     0.43147    -0.20166
   89 0.73702    -0.73702     0.20166    -5.42608E-02
   90 0.27130    -0.27130     5.42608E-02 6.27082E-13


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      17:58:39                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      17:58:39                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM= 8234.     REMNOR=0.5331E-19 RATIO =0.2115     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.2115     RATIOR= 0.000
           MAX UN=0.1705E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
```

```
           MIN UN=-90.74     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM= 6.820     REMNOR=0.3431E-19 RATIO =0.6086E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.6086E-02 RATIOR= 0.000
           MAX UN=0.7367E-09 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-1.272     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM=0.1219     REMNOR=0.2700E-19 RATIO =0.8137E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.8137E-03 RATIOR= 0.000
           MAX UN=0.1607E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.3234     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1841E+06 RIMNOR=0.1178E+07
           RENORM=0.1391E-16 REMNOR=0.3358E-19 RATIO =0.8692E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 164.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1841E+06 RDR   =0.1178E+07
           RATIOT=0.8692E-11 RATIOR= 0.000
           MAX UN=0.1552E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1386E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      17:58:39                                                  |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   6.7289610E-03  -1.0766435E-03
    2   6.5136352E-03  -1.0766000E-03
    3   6.2983317E-03  -1.0763959E-03
    4   6.0830977E-03  -1.0758792E-03
    5   5.8680123E-03  -1.0748789E-03
    6   5.6531911E-03  -1.0732047E-03
    7   5.4387891E-03  -1.0706496E-03
    8   5.2250048E-03  -1.0669898E-03
    9   5.0120828E-03  -1.0619855E-03
   10   4.8003173E-03  -1.0553821E-03
   11   4.5900545E-03  -1.0469109E-03
   12   4.3816964E-03  -1.0362870E-03
   13   4.1757033E-03  -1.0232096E-03
   14   3.9725972E-03  -1.0073627E-03
   15   3.7729650E-03  -9.8841441E-04
   16   3.5774613E-03  -9.6601830E-04
   17   3.3866676E-03  -9.4197258E-04
   18   3.2006627E-03  -9.1807008E-04
   19   3.0194545E-03  -8.9394402E-04
   20   2.8431246E-03  -8.6922529E-04
   21   2.6718243E-03  -8.4360753E-04
   22   2.5057529E-03  -8.1691979E-04
   23   2.3451294E-03  -7.8913721E-04
   24   2.1901670E-03  -7.6033133E-04
   25   2.0410592E-03  -7.3060207E-04
   26   1.8979804E-03  -7.0006064E-04
   27   1.7610810E-03  -6.6882879E-04
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28	1.6304860E-03	-6.3703901E-04
29	1.5062936E-03	-6.0483476E-04
30	1.3885701E-03	-5.7236984E-04
31	1.2773520E-03	-5.3980934E-04
32	1.1726410E-03	-5.0732920E-04
33	1.0744026E-03	-4.7511566E-04
34	9.8256503E-04	-4.4334838E-04
35	8.9702340E-04	-4.1218501E-04
36	8.1764210E-04	-3.8176200E-04
37	7.4426139E-04	-3.5219707E-04
38	6.7669941E-04	-3.2359000E-04
39	6.1475598E-04	-2.9602414E-04
40	5.5821604E-04	-2.6956827E-04
41	5.0685129E-04	-2.4427737E-04
42	4.6042369E-04	-2.2019377E-04
43	4.1869020E-04	-1.9734972E-04
44	3.8139998E-04	-1.7576582E-04
45	3.4829928E-04	-1.5545368E-04
46	3.1913347E-04	-1.3641698E-04
47	2.9364776E-04	-1.1865119E-04
48	2.7158914E-04	-1.0214325E-04
49	2.5270808E-04	-8.6872444E-05
50	2.3675963E-04	-7.2811131E-05
51	2.2350519E-04	-5.9926288E-05
52	2.1271310E-04	-4.8179991E-05
53	2.0415994E-04	-3.7530838E-05
54	1.9763061E-04	-2.7934020E-05
55	1.9291929E-04	-1.9342793E-05
56	1.8982967E-04	-1.1708984E-05
57	1.8817516E-04	-4.9833018E-06
58	1.8777913E-04	8.8416579E-07
59	1.8847495E-04	5.9434911E-06
60	1.9010598E-04	1.0244526E-05
61	1.9252549E-04	1.3836556E-05
62	1.9559655E-04	1.6767782E-05
63	1.9919168E-04	1.9085085E-05
64	2.0319269E-04	2.0834079E-05
65	2.0749124E-04	2.2072021E-05
66	2.1199194E-04	2.2866479E-05
67	2.1661249E-04	2.3280853E-05
68	2.2128265E-04	2.3374255E-05
69	2.2594421E-04	2.3201431E-05
70	2.3054881E-04	2.2812529E-05
71	2.3505786E-04	2.2253168E-05
72	2.3944147E-04	2.1564703E-05
73	2.4367761E-04	2.0784331E-05
74	2.4775129E-04	1.9945221E-05
75	2.5165374E-04	1.9076655E-05
76	2.5538169E-04	1.8204185E-05
77	2.5893660E-04	1.7349614E-05
78	2.6232394E-04	1.6531157E-05
79	2.6555247E-04	1.5763786E-05
80	2.6863366E-04	1.5059375E-05
81	2.7158102E-04	1.4426849E-05
82	2.7440959E-04	1.3872310E-05
83	2.7713537E-04	1.3399153E-05
84	2.7977473E-04	1.3008174E-05
85	2.8234411E-04	1.2697476E-05
86	2.8485891E-04	1.2462605E-05
87	2.8733375E-04	1.2296680E-05
88	2.8978156E-04	1.2190509E-05
89	2.9221317E-04	1.2132595E-05
90	2.9463690E-04	1.2109166E-05
91	2.9705807E-04	1.2104185E-05

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                        |
|                                   Exe Time :29 July 2019      17:58:39                                   |
+----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S       3.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.831	-6.7290E-03	25.20	18.31	25.20	18.31	V-C	7276.	0.000	0.000	1.000	1.000	18.31	0.000	0.000	Strato1_2_8_L_0
2 D	3.106	-6.5136E-03	19.29	15.53	19.29	15.53	V-C	7276.	-0.2000	0.000	1.000	1.000	15.53	0.000	0.000	Strato1_2_8_L_0
3 D	3.291	-6.2983E-03	21.54	16.45	21.54	16.45	V-C	7276.	-0.4000	0.000	1.000	1.000	16.45	0.000	0.000	Strato1_2_8_L_0
4 D	3.910	-6.0831E-03	28.56	19.55	28.56	19.55	V-C	7276.	-0.6000	0.000	1.000	1.000	19.55	0.000	0.000	Strato1_2_8_L_0
5 D	4.114	-5.8680E-03	31.02	20.57	31.02	20.57	V-C	7276.	-0.8000	0.000	1.000	1.000	20.57	0.000	0.000	Strato1_2_8_L_0
6 D	4.599	-5.6532E-03	36.58	23.00	36.58	23.00	V-C	7276.	-1.000	0.000	1.000	1.000	23.00	0.000	0.000	Strato1_2_8_L_0
7 D	4.832	-5.4388E-03	39.36	24.16	39.36	24.16	V-C	7276.	-1.200	0.000	1.000	1.000	24.16	0.000	0.000	Strato1_2_8_L_0
8 D	5.266	-5.2250E-03	44.36	26.33	44.36	26.33	V-C	7276.	-1.400	0.000	1.000	1.000	26.33	0.000	0.000	Strato1_2_8_L_0
9 D	5.455	-5.0121E-03	46.68	27.28	46.68	27.28	V-C	7276.	-1.600	0.000	1.000	1.000	27.28	0.000	0.000	Strato1_2_8_L_0
10 D	5.868	-4.8003E-03	51.47	29.34	51.47	29.34	V-C	7276.	-1.800	0.000	1.000	1.000	29.34	0.000	0.000	Strato1_2_8_L_0
11 D	6.135	-4.5901E-03	54.65	30.67	54.65	30.67	V-C	7276.	-2.000	0.000	1.000	1.000	30.67	0.000	0.000	Strato1_2_8_L_0
12 D	6.526	-4.3817E-03	59.24	32.63	59.24	32.63	V-C	7276.	-2.200	0.000	1.000	1.000	32.63	0.000	0.000	Strato1_2_8_L_0
13 D	6.797	-4.1757E-03	62.51	33.98	62.51	33.98	V-C	7276.	-2.400	0.000	1.000	1.000	33.98	0.000	0.000	Strato1_2_8_L_0
14 D	7.172	-3.9726E-03	66.96	35.86	66.96	35.86	V-C	7276.	-2.600	0.000	1.000	1.000	35.86	0.000	0.000	Strato1_2_8_L_0
15 D	7.428	-3.7730E-03	70.29	37.14	70.29	37.25	UL-RL	2.1827E+04	-2.800	0.000	1.000	1.000	37.14	0.000	0.000	Strato1_2_8_L_0
16 D	7.565	-3.5775E-03	74.27	37.82	74.27	39.37	UL-RL	2.1827E+04	-3.000	0.000	1.000	1.000	37.82	0.000	0.000	Strato1_2_8_L_0
17 D	7.656	-3.3867E-03	77.68	38.28	77.68	41.17	UL-RL	2.1827E+04	-3.200	0.000	1.000	1.000	38.28	0.000	0.000	Strato1_2_8_L_0
18 D	7.793	-3.2007E-03	81.99	38.97	81.99	43.45	UL-RL	2.1827E+04	-3.400	0.000	1.000	1.000	38.97	0.000	0.000	Strato1_2_8_L_0
19 D	7.871	-3.0195E-03	85.43	39.35	85.43	45.28	UL-RL	2.1827E+04	-3.600	0.000	1.000	1.000	39.35	0.000	0.000	Strato1_2_8_L_0
20 D	7.993	-2.8431E-03	89.67	39.96	89.67	47.53	UL-RL	2.1827E+04	-3.800	0.000	1.000	1.000	39.96	0.000	0.000	Strato1_2_8_L_0
21 D	8.064	-2.6718E-03	93.15	40.32	93.15	49.37	UL-RL	2.1827E+04	-4.000	0.000	1.000	1.000	40.32	0.000	0.000	Strato1_2_8_L_0
22 D	8.177	-2.5058E-03	97.35	40.89	97.35	51.59	UL-RL	2.1827E+04	-4.200	0.000	1.000	1.000	40.89	0.000	0.000	Strato1_2_8_L_0
23 D	8.248	-2.3451E-03	100.8	41.24	100.8	53.45	UL-RL	2.1827E+04	-4.400	0.000	1.000	1.000	41.24	0.000	0.000	Strato1_2_8_L_0
24 D	8.344	-2.1902E-03	104.8	41.72	104.8	55.52	UL-RL	2.1827E+04	-4.600	0.000	1.000	1.000	41.72	0.000	0.000	Strato1_2_8_L_0
25 D	8.419	-2.0411E-03	108.3	42.09	108.3	57.39	UL-RL	2.1827E+04	-4.800	0.000	1.000	1.000	42.09	0.000	0.000	Strato1_2_8_L_0
26 D	8.533	-1.8980E-03	112.4	42.67	112.4	59.59	UL-RL	2.1827E+04	-5.000	0.000	1.000	1.000	42.67	0.000	0.000	Strato1_2_8_L_0
27 D	8.615	-1.7611E-03	116.0	43.07	116.0	61.47	UL-RL	2.1827E+04	-5.200	0.000	1.000	1.000	43.07	0.000	0.000	Strato1_2_8_L_0
28 D	8.735	-1.6305E-03	120.1	43.68	120.1	63.65	UL-RL	2.1827E+04	-5.400	0.000	1.000	1.000	43.68	0.000	0.000	Strato1_2_8_L_0
29 D	8.826	-1.5063E-03	123.7	44.13	123.7	65.53	UL-RL	2.1827E+04	-5.600	0.000	1.000	1.000	44.13	0.000	0.000	Strato1_2_8_L_0
30 D	8.955	-1.3886E-03	127.7	44.77	127.7	67.70	UL-RL	2.1827E+04	-5.800	0.000	1.000	1.000				

44.77	0.000	0.000	Strato1_2_8_L_0									
31 D	9.045	-1.2774E-03	131.1	45.23	131.1	69.50	UL-RL	2.1827E+04	-6.000	0.000	1.000	1.000
45.23	0.000	0.000	Strato1_2_8_L_0									
32 D	9.212	-1.1726E-03	135.2	46.06	135.2	71.66	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000
46.06	0.000	0.000	Strato1_2_8_L_0									
33 D	10.02	-1.0744E-03	138.8	50.11	138.8	73.56	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
50.11	0.000	0.000	Strato1_2_8_L_0									
34 D	10.85	-9.8257E-04	142.9	54.26	142.9	75.71	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
54.26	0.000	0.000	Strato1_2_8_L_0									
35 D	11.61	-8.9702E-04	146.5	58.04	146.5	77.62	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
58.04	0.000	0.000	Strato1_2_8_L_0									
36 D	12.38	-8.1764E-04	150.5	61.92	150.5	79.76	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
61.92	0.000	0.000	Strato1_2_8_L_0									
37 D	13.09	-7.4426E-04	154.1	65.43	154.1	81.68	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
65.43	0.000	0.000	Strato1_2_8_L_0									
38 D	13.81	-6.7670E-04	158.1	69.04	158.1	83.81	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
69.04	0.000	0.000	Strato1_2_8_L_0									
39 D	14.45	-6.1476E-04	161.6	72.23	161.6	85.65	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
72.23	0.000	0.000	Strato1_2_8_L_0									
40 D	15.12	-5.5822E-04	165.6	75.60	165.6	87.78	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
75.60	0.000	0.000	Strato1_2_8_L_0									
41 D	15.73	-5.0685E-04	169.3	78.64	169.3	89.71	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
78.64	0.000	0.000	Strato1_2_8_L_0									
42 D	16.36	-4.6042E-04	173.3	81.78	173.3	91.83	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
81.78	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	-4.1869E-04	176.9	84.62	176.9	93.76	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
84.62	0.000	0.000	Strato1_2_8_L_0									
44 D	17.51	-3.8140E-04	180.9	87.55	180.9	95.88	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
87.55	0.000	0.000	Strato1_2_8_L_0									
45 D	18.04	-3.4830E-04	184.5	90.21	184.5	97.81	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
90.21	0.000	0.000	Strato1_2_8_L_0									
46 D	18.58	-3.1913E-04	188.4	92.89	188.4	99.86	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
92.89	0.000	0.000	Strato1_2_8_L_0									
47 D	19.08	-2.9365E-04	192.1	95.38	192.1	101.8	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
95.38	0.000	0.000	Strato1_2_8_L_0									
48 D	19.59	-2.7159E-04	196.0	97.97	196.0	103.9	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.97	0.000	0.000	Strato1_2_8_L_0									
49 D	20.07	-2.5271E-04	199.7	100.3	199.7	105.8	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.56	-2.3676E-04	203.7	102.8	203.7	107.9	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
102.8	0.000	0.000	Strato1_2_8_L_0									
51 D	21.00	-2.2351E-04	207.3	105.0	207.3	109.9	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
105.0	0.000	0.000	Strato1_2_8_L_0									
52 D	21.47	-2.1271E-04	211.3	107.3	211.3	112.0	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
107.3	0.000	0.000	Strato1_2_8_L_0									
53 D	21.90	-2.0416E-04	215.0	109.5	215.0	113.9	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
109.5	0.000	0.000	Strato1_2_8_L_0									
54 D	22.33	-1.9763E-04	218.8	111.7	218.8	116.0	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
111.7	0.000	0.000	Strato1_2_8_L_0									
55 D	22.74	-1.9292E-04	222.5	113.7	222.5	117.9	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
113.7	0.000	0.000	Strato1_2_8_L_0									
56 D	23.18	-1.8983E-04	226.5	115.9	226.5	120.0	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
115.9	0.000	0.000	Strato1_2_8_L_0									
57 D	23.57	-1.8818E-04	230.1	117.9	230.1	122.0	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
117.9	0.000	0.000	Strato1_2_8_L_0									
58 D	23.99	-1.8778E-04	234.1	120.0	234.1	124.1	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
120.0	0.000	0.000	Strato1_2_8_L_0									
59 D	24.38	-1.8847E-04	237.8	121.9	237.8	126.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
121.9	0.000	0.000	Strato1_2_8_L_0									
60 D	24.79	-1.9011E-04	241.7	124.0	241.7	128.1	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
124.0	0.000	0.000	Strato1_2_8_L_0									
61 D	25.16	-1.9253E-04	245.3	125.8	245.3	130.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
125.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.57	-1.9560E-04	249.2	127.8	249.2	132.1	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
127.8	0.000	0.000	Strato1_2_8_L_0									
63 D	25.94	-1.9919E-04	252.9	129.7	252.9	134.1	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
129.7	0.000	0.000	Strato1_2_8_L_0									
64 D	23.18	-2.0319E-04	256.9	115.9	256.9	128.4	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000
115.9	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.51	-2.0749E-04	260.8	117.6	260.8	130.4	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000
117.6	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.87	-2.1199E-04	264.9	119.4	264.9	132.4	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000
119.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	24.20	-2.1661E-04	268.8	121.0	268.8	134.4	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
121.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.56	-2.2128E-04	272.9	122.8	272.9	136.5	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
122.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.88	-2.2594E-04	276.7	124.4	276.7	138.4	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.24	-2.3055E-04	280.8	126.2	280.8	140.4	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
126.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.57	-2.3506E-04	284.7	127.9	284.7	142.4	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
127.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.93	-2.3944E-04	288.9	129.6	288.9	144.4	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
129.6	0.000	0.000	Strato2_3095_82743_L_0									

73 D	26.27	-2.4368E-04	292.8	131.3	292.8	146.4	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
131.3	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.63	-2.4775E-04	296.9	133.1	296.9	148.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.1	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.97	-2.5165E-04	300.8	134.9	300.8	150.4	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
134.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.33	-2.5538E-04	304.8	136.6	304.8	152.4	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
136.6	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.68	-2.5894E-04	308.7	138.4	308.7	154.4	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
138.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.05	-2.6232E-04	312.9	140.2	312.9	156.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.2	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.40	-2.6555E-04	316.8	142.0	316.8	158.4	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.77	-2.6863E-04	320.9	143.8	320.9	160.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
143.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.13	-2.7158E-04	324.8	145.6	324.8	162.4	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
145.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.50	-2.7441E-04	328.9	147.5	328.9	164.4	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
147.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.86	-2.7714E-04	332.8	149.3	332.8	166.4	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.23	-2.7977E-04	336.8	151.1	336.8	168.4	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.59	-2.8234E-04	340.8	152.9	340.8	170.4	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
152.9	0.000	0.000	Strato2_3095_82743_L_0									
86 D	30.97	-2.8486E-04	344.9	154.8	344.9	172.4	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
154.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.33	-2.8733E-04	348.8	156.6	348.8	174.4	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.6	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.71	-2.8978E-04	352.9	158.5	352.9	176.4	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.5	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.07	-2.9221E-04	356.8	160.4	356.8	178.4	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.4	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.45	-2.9464E-04	360.9	162.3	360.9	180.4	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.3	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.40	-2.9706E-04	364.8	164.0	364.8	182.4	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
164.0	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                          |
|                                 Exe Time :29 July 2019      17:58:39                                    |
+----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1		0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2		0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3		0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4		0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5		0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6		0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7		0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8		0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9		0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10		0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11		0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12		0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13		0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14		0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15		0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16		0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17		0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18		0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	D	0.1155	3.0195E-03	1.900	0.5776	68.40	36.25	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
20	D	2.844	2.8431E-03	5.700	14.22	72.20	38.27	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000	14.22	0.000	0.000	Strato1_2_8_L_0
21	D	6.012	2.6718E-03	9.500	30.06	76.00	40.28	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000	30.06	0.000	0.000	Strato1_2_8_L_0
22	D	9.182	2.5058E-03	13.30	45.91	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000	45.91	0.000	0.000	Strato1_2_8_L_0
23	D	10.25	2.3451E-03	17.10	51.25	83.60	58.60	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000	51.25	0.000	0.000	Strato1_2_8_L_0
24	D	10.56	2.1902E-03	20.90	52.81	87.40	59.66	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000	52.81	0.000	0.000	Strato1_2_8_L_0
25	D	10.88	2.0411E-03	24.70	54.40	91.20	60.76	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000	54.40	0.000	0.000	Strato1_2_8_L_0
26	D	11.20	1.8980E-03	28.50	56.01	95.00	61.90	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000	56.01	0.000	0.000	Strato1_2_8_L_0
27	D	11.53	1.7611E-03	32.30	57.64	98.80	63.06	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000	57.64	0.000	0.000	Strato1_2_8_L_0
28	D	11.86	1.6305E-03	36.10	59.29	102.6	64.27	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000	59.29	0.000	0.000	Strato1_2_8_L_0
29	D	12.19	1.5063E-03	39.90	60.97	106.4	65.51	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000	60.97	0.000	0.000	Strato1_2_8_L_0
30	D	12.53	1.3886E-03	43.70	62.67	110.2	66.79	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000				

62.67	0.000	0.000	Strato1_2_8_L_0									
31 D	12.88	1.2774E-03	47.50	64.39	114.0	68.11	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000
64.39	0.000	0.000	Strato1_2_8_L_0									
32 D	13.23	1.1726E-03	51.30	66.13	117.8	69.47	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000
66.13	0.000	0.000	Strato1_2_8_L_0									
33 D	13.58	1.0744E-03	55.10	67.88	121.6	70.87	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000
67.88	0.000	0.000	Strato1_2_8_L_0									
34 D	13.93	9.8257E-04	58.90	69.66	125.4	72.30	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000
69.66	0.000	0.000	Strato1_2_8_L_0									
35 D	14.29	8.9702E-04	62.70	71.45	129.2	73.78	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000
71.45	0.000	0.000	Strato1_2_8_L_0									
36 D	14.65	8.1764E-04	66.50	73.27	133.0	75.29	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000
73.27	0.000	0.000	Strato1_2_8_L_0									
37 D	15.02	7.4426E-04	70.30	75.09	136.8	76.85	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000
75.09	0.000	0.000	Strato1_2_8_L_0									
38 D	15.39	6.7670E-04	74.10	76.94	140.6	78.43	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000
76.94	0.000	0.000	Strato1_2_8_L_0									
39 D	15.76	6.1476E-04	77.90	78.80	144.4	80.06	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000
78.80	0.000	0.000	Strato1_2_8_L_0									
40 D	16.13	5.5822E-04	81.70	80.67	148.2	81.71	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000
80.67	0.000	0.000	Strato1_2_8_L_0									
41 D	16.51	5.0685E-04	85.50	82.56	152.0	83.40	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000
82.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.89	4.6042E-04	89.30	84.46	155.8	85.12	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000
84.46	0.000	0.000	Strato1_2_8_L_0									
43 D	17.27	4.1869E-04	93.10	86.37	159.6	86.87	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000
86.37	0.000	0.000	Strato1_2_8_L_0									
44 D	17.66	3.8140E-04	96.90	88.29	163.4	88.65	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000
88.29	0.000	0.000	Strato1_2_8_L_0									
45 D	18.05	3.4830E-04	100.7	90.23	167.2	90.45	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000
90.23	0.000	0.000	Strato1_2_8_L_0									
46 D	18.38	3.1913E-04	104.5	91.91	171.0	92.41	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000
91.91	0.000	0.000	Strato1_2_8_L_0									
47 D	18.72	2.9365E-04	108.3	93.61	174.8	94.38	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000
93.61	0.000	0.000	Strato1_2_8_L_0									
48 D	19.07	2.7159E-04	112.1	95.36	178.6	96.36	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000
95.36	0.000	0.000	Strato1_2_8_L_0									
49 D	19.43	2.5271E-04	115.9	97.15	182.4	98.35	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000
97.15	0.000	0.000	Strato1_2_8_L_0									
50 D	19.80	2.3676E-04	119.7	98.98	186.2	100.3	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
98.98	0.000	0.000	Strato1_2_8_L_0									
51 D	20.17	2.2351E-04	123.5	100.8	190.0	102.3	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
100.8	0.000	0.000	Strato1_2_8_L_0									
52 D	20.55	2.1271E-04	127.3	102.7	193.8	104.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.93	2.0416E-04	131.1	104.7	197.6	106.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.33	1.9763E-04	134.9	106.6	201.4	108.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
106.6	0.000	0.000	Strato1_2_8_L_0									
55 D	21.72	1.9292E-04	138.7	108.6	205.2	110.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
108.6	0.000	0.000	Strato1_2_8_L_0									
56 D	22.12	1.8983E-04	142.5	110.6	209.0	112.3	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
110.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.52	1.8818E-04	146.3	112.6	212.8	114.3	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
112.6	0.000	0.000	Strato1_2_8_L_0									
58 D	22.93	1.8778E-04	150.1	114.7	216.6	116.3	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
114.7	0.000	0.000	Strato1_2_8_L_0									
59 D	23.34	1.8847E-04	153.9	116.7	220.4	118.3	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
116.7	0.000	0.000	Strato1_2_8_L_0									
60 D	23.75	1.9011E-04	157.7	118.8	224.2	120.3	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	1.9253E-04	161.5	120.8	228.0	122.3	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.58	1.9560E-04	165.3	122.9	231.8	124.3	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	25.00	1.9919E-04	169.1	125.0	235.6	126.3	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
125.0	0.000	0.000	Strato1_2_8_L_0									
64 D	21.71	2.0319E-04	172.9	108.5	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000
108.5	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.14	2.0749E-04	176.9	110.7	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000
110.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.57	2.1199E-04	180.9	112.9	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000
112.9	0.000	0.000	Strato2_3095_82743_L_0									
67 D	23.01	2.1661E-04	184.9	115.0	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
115.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.45	2.2128E-04	188.9	117.2	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
117.2	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.88	2.2594E-04	192.9	119.4	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
119.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.32	2.3055E-04	196.9	121.6	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
121.6	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.75	2.3506E-04	200.9	123.8	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
123.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.18	2.3944E-04	204.9	125.9	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
125.9	0.000	0.000	Strato2_3095_82743_L_0									

73	D	25.62	2.4368E-04	208.9	128.1	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
128.1		0.000	0.000	Strato2_3095_82743_L_0									
74	D	26.05	2.4775E-04	212.9	130.2	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
130.2		0.000	0.000	Strato2_3095_82743_L_0									
75	D	26.48	2.5165E-04	216.9	132.4	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
132.4		0.000	0.000	Strato2_3095_82743_L_0									
76	D	26.91	2.5538E-04	220.9	134.5	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
134.5		0.000	0.000	Strato2_3095_82743_L_0									
77	D	27.33	2.5894E-04	224.9	136.7	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
136.7		0.000	0.000	Strato2_3095_82743_L_0									
78	D	27.76	2.6232E-04	228.9	138.8	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
138.8		0.000	0.000	Strato2_3095_82743_L_0									
79	D	28.18	2.6555E-04	232.9	140.9	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
140.9		0.000	0.000	Strato2_3095_82743_L_0									
80	D	28.61	2.6863E-04	236.9	143.0	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
143.0		0.000	0.000	Strato2_3095_82743_L_0									
81	D	29.03	2.7158E-04	240.9	145.2	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
145.2		0.000	0.000	Strato2_3095_82743_L_0									
82	D	29.45	2.7441E-04	244.9	147.3	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
147.3		0.000	0.000	Strato2_3095_82743_L_0									
83	D	29.87	2.7714E-04	248.9	149.4	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.4		0.000	0.000	Strato2_3095_82743_L_0									
84	D	30.29	2.7977E-04	252.9	151.5	319.4	159.7	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.5		0.000	0.000	Strato2_3095_82743_L_0									
85	D	30.71	2.8234E-04	256.9	153.6	323.4	161.7	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.6		0.000	0.000	Strato2_3095_82743_L_0									
86	D	31.13	2.8486E-04	260.9	155.7	327.4	163.7	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.7		0.000	0.000	Strato2_3095_82743_L_0									
87	D	31.55	2.8733E-04	264.9	157.8	331.4	165.7	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
157.8		0.000	0.000	Strato2_3095_82743_L_0									
88	D	31.97	2.8978E-04	268.9	159.9	335.4	167.7	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
159.9		0.000	0.000	Strato2_3095_82743_L_0									
89	D	32.39	2.9221E-04	272.9	161.9	339.4	169.7	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
161.9		0.000	0.000	Strato2_3095_82743_L_0									
90	D	32.81	2.9464E-04	276.9	164.0	343.4	171.7	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.0		0.000	0.000	Strato2_3095_82743_L_0									
91	D	16.61	2.9706E-04	280.9	166.1	347.4	173.7	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.1		0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      17:58:39                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-------------------------------------------------------------
    1  1.8313      -1.8313    -3.92009E-11 0.36626
    2  4.9373      -4.9373     -0.36626      1.3537
    3  8.2282      -8.2282      -1.3537      2.9994
    4  12.138      -12.138      -2.9994      5.4270
    5  16.252      -16.252      -5.4270      8.6775
    6  20.852      -20.852      -8.6775      12.848
    7  25.684      -25.684      -12.848      17.985
    8  30.950      -30.950      -17.985      24.174
    9  36.405      -36.405      -24.174      31.455
   10  42.273      -42.273      -31.455      39.910
   11  48.408      -48.408      -39.910      49.592
   12  54.934      -54.934      -49.592      60.578
   13  61.731      -61.731      -60.578      72.925
   14  68.903      -68.903      -72.925      86.705
   15  76.330      -76.330      -86.705      101.97
   16 -6.8443       6.8443      -101.97      100.60
   17 0.81165     -0.81165      -100.60      100.76
   18  8.6049      -8.6049      -100.76      102.49
   19  16.360      -16.360      -102.49      105.76
   20  21.509      -21.509      -105.76      110.06
   21  23.561      -23.561      -110.06      114.77
   22  22.557      -22.557      -114.77      119.28
   23  20.554      -20.554      -119.28      123.39
   24  18.336      -18.336      -123.39      127.06
```

25	15.875	-15.875	-127.06	130.24
26	13.207	-13.207	-130.24	132.88
27	10.294	-10.294	-132.88	134.94
28	7.1707	-7.1707	-134.94	136.37
29	3.8028	-3.8028	-136.37	137.13
30	0.22350	-0.22350	-137.13	137.18
31	-3.6086	3.6086	-137.18	136.45
32	-7.6215	7.6215	-136.45	134.93
33	-11.176	11.176	-134.93	132.69
34	-14.255	14.255	-132.69	129.84
35	-16.938	16.938	-129.84	126.46
36	-19.207	19.207	-126.46	122.61
37	-21.140	21.140	-122.61	118.39
38	-22.719	22.719	-118.39	113.84
39	-24.031	24.031	-113.84	109.04
40	-25.046	25.046	-109.04	104.03
41	-25.828	25.828	-104.03	98.861
42	-26.364	26.364	-98.861	93.589
43	-26.713	26.713	-93.589	88.246
44	-26.861	26.861	-88.246	82.874
45	-26.864	26.864	-82.874	77.501
46	-26.669	26.669	-77.501	72.167
47	-26.315	26.315	-72.167	66.904
48	-25.793	25.793	-66.904	61.746
49	-25.158	25.158	-61.746	56.714
50	-24.398	24.398	-56.714	51.834
51	-23.565	23.565	-51.834	47.121
52	-22.644	22.644	-47.121	42.593
53	-21.683	21.683	-42.593	38.256
54	-20.675	20.675	-38.256	34.121
55	-19.654	19.654	-34.121	30.190
56	-18.599	18.599	-30.190	26.470
57	-17.551	17.551	-26.470	22.960
58	-16.490	16.490	-22.960	19.662
59	-15.451	15.451	-19.662	16.572
60	-14.414	14.414	-16.572	13.689
61	-13.421	13.421	-13.689	11.005
62	-12.439	12.439	-11.005	8.5171
63	-11.499	11.499	-8.5171	6.2173
64	-10.027	10.027	-6.2173	4.2118
65	-8.6533	8.6533	-4.2118	2.4811
66	-7.3568	7.3568	-2.4811	1.0098
67	-6.1635	6.1635	-1.0098	-0.22286
68	-5.0512	5.0512	0.22286	-1.2331
69	-4.0505	4.0505	1.2331	-2.0432
70	-3.1297	3.1297	2.0432	-2.6691
71	-2.3085	2.3085	2.6691	-3.1308
72	-1.5629	1.5629	3.1308	-3.4434
73	-0.91129	0.91129	3.4434	-3.6257
74	-0.32952	0.32952	3.6257	-3.6916
75	0.16513	-0.16513	3.6916	-3.6586
76	0.58878	-0.58878	3.6586	-3.5408
77	0.93249	-0.93249	3.5408	-3.3543
78	1.2193	-1.2193	3.3543	-3.1104
79	1.4328	-1.4328	3.1104	-2.8239
80	1.5951	-1.5951	2.8239	-2.5048
81	1.6899	-1.6899	2.5048	-2.1669
82	1.7382	-1.7382	2.1669	-1.8192
83	1.7234	-1.7234	1.8192	-1.4746
84	1.6588	-1.6588	1.4746	-1.1428
85	1.5345	-1.5345	1.1428	-0.83588
86	1.3697	-1.3697	0.83588	-0.56195
87	1.1473	-1.1473	0.56195	-0.33249
88	0.88544	-0.88544	0.33249	-0.15540
89	0.56719	-0.56719	0.15540	-4.19670E-02
90	0.20984	-0.20984	4.19670E-02	5.16356E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                              |
|                                  Exe Time :29 July 2019      17:58:39                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -6.74572E-04 -6.74572E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                              |
|                                  Exe Time :29 July 2019      17:58:39                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 6283.     REMNOR=0.3358E-19 RATIO =0.2053     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.2053     RATIOR= 0.000
           MAX UN= 17.66     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.1386E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 560.7     REMNOR=0.5341E-18 RATIO =0.6133E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.6133E-01 RATIOR= 0.000
           MAX UN= 6.514     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.9669E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 320.0     REMNOR=0.1165E-17 RATIO =0.4633E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.4633E-01 RATIOR= 0.000
           MAX UN= 6.925     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.6976E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM= 39.14     REMNOR=0.3555E-17 RATIO =0.1620E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.1620E-01 RATIOR= 0.000
           MAX UN= 4.244     IEQ=   105 NODE     53 DOF   1  Y-DISPL.F
           MIN UN=-.1002E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM=0.7543     REMNOR=0.1230E-17 RATIO =0.2249E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.2249E-02 RATIOR= 0.000
           MAX UN=0.8323     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN=-.8664E-01 IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1491E+06 RIMNOR=0.9513E+06
           RENORM=0.2987E-15 REMNOR=0.9245E-18 RATIO =0.4476E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 137.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1491E+06 RDR   =0.9513E+06
           RATIOT=0.4476E-10 RATIOR= 0.000
           MAX UN=0.5435E-08 IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.6455E-08 IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      17:58:39                                                 |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)          (
    1   3.1751438E-02  -2.1199777E-03
    2   3.1327444E-02  -2.1199595E-03
    3   3.0903459E-02  -2.1198771E-03
    4   3.0479501E-02  -2.1196715E-03
    5   3.0055603E-02  -2.1192705E-03
    6   2.9631812E-02  -2.1185880E-03
    7   2.9208193E-02  -2.1175264E-03
    8   2.8784834E-02  -2.1159761E-03
    9   2.8361843E-02  -2.1138164E-03
   10   2.7939357E-02  -2.1109157E-03
   11   2.7517536E-02  -2.1071325E-03
   12   2.7096573E-02  -2.1023135E-03
   13   2.6676690E-02  -2.0962944E-03
   14   2.6258147E-02  -2.0888995E-03
   15   2.5841235E-02  -2.0799418E-03
   16   2.5426287E-02  -2.0692233E-03
   17   2.5013448E-02  -2.0599638E-03
   18   2.4601991E-02  -2.0553727E-03
   19   2.4191003E-02  -2.0552193E-03
   20   2.3779623E-02  -2.0592622E-03
   21   2.3367036E-02  -2.0672485E-03
   22   2.2952478E-02  -2.0789143E-03
   23   2.2535243E-02  -2.0939848E-03
   24   2.2114679E-02  -2.1121736E-03
   25   2.1690187E-02  -2.1331843E-03
   26   2.1261237E-02  -2.1567093E-03
   27   2.0827357E-02  -2.1824299E-03
   28   2.0388141E-02  -2.2100164E-03
   29   1.9943251E-02  -2.2391281E-03
   30   1.9492414E-02  -2.2694133E-03
   31   1.9035432E-02  -2.3005091E-03
```

32	1.8572181E-02	-2.3320418E-03
33	1.8102612E-02	-2.3636269E-03
34	1.7626753E-02	-2.3948691E-03
35	1.7144716E-02	-2.4253616E-03
36	1.6656689E-02	-2.4546871E-03
37	1.6162948E-02	-2.4824169E-03
38	1.5663858E-02	-2.5081112E-03
39	1.5159869E-02	-2.5313195E-03
40	1.4651529E-02	-2.5515800E-03
41	1.4139468E-02	-2.5684207E-03
42	1.3624410E-02	-2.5813583E-03
43	1.3107207E-02	-2.5898978E-03
44	1.2588781E-02	-2.5935341E-03
45	1.2070158E-02	-2.5917508E-03
46	1.1552475E-02	-2.5840569E-03
47	1.1036955E-02	-2.5700598E-03
48	1.0524888E-02	-2.5495020E-03
49	1.0017602E-02	-2.5222608E-03
50	9.5164310E-03	-2.4883482E-03
51	9.0226981E-03	-2.4479111E-03
52	8.5376779E-03	-2.4012306E-03
53	8.0625894E-03	-2.3487242E-03
54	7.5985427E-03	-2.2909008E-03
55	7.1465478E-03	-2.2282953E-03
56	6.7075078E-03	-2.1614416E-03
57	6.2822189E-03	-2.0908730E-03
58	5.8713707E-03	-2.0171227E-03
59	5.4755464E-03	-1.9407238E-03
60	5.0952232E-03	-1.8621946E-03
61	4.7307783E-03	-1.7820189E-03
62	4.3824957E-03	-1.7006428E-03
63	4.0505739E-03	-1.6184762E-03
64	3.7351328E-03	-1.5358947E-03
65	3.4362066E-03	-1.4534537E-03
66	3.1536925E-03	-1.3718966E-03
67	2.8873418E-03	-1.2919317E-03
68	2.6367834E-03	-1.2141979E-03
69	2.4014907E-03	-1.1392338E-03
70	2.1808741E-03	-1.0675067E-03
71	1.9742465E-03	-9.9940219E-04
72	1.7808509E-03	-9.3523281E-04
73	1.5998747E-03	-8.7524309E-04
74	1.4304629E-03	-8.1961379E-04
75	1.2717304E-03	-7.6846623E-04
76	1.1227733E-03	-7.2186605E-04
77	9.8267990E-04	-6.7982698E-04
78	8.5054074E-04	-6.4231407E-04
79	7.2545792E-04	-6.0924636E-04
80	6.0655415E-04	-5.8049945E-04
81	4.9298113E-04	-5.5590780E-04
82	3.8392766E-04	-5.3526664E-04
83	2.7862726E-04	-5.1833368E-04
84	1.7636554E-04	-5.0483047E-04
85	7.6482365E-05	-4.9444324E-04
86	-2.1601415E-05	-4.8682576E-04
87	-1.1840717E-04	-4.8159673E-04
88	-2.1437176E-04	-4.7834246E-04
89	-3.0984605E-04	-4.7661665E-04
90	-4.0508840E-04	-4.7594056E-04
91	-5.0025818E-04	-4.7580311E-04

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                                 |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                               |
|                                  Exe Time :29 July 2019      17:58:39                                          |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                            :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.7661	-3.1751E-02	25.20	7.661	25.20	18.31	ACTIVE	0.000	0.000	0.000	1.000	1.000	7.661	0.000	0.000	Strato1_2_8_L_0
2 D	1.173	-3.1327E-02	19.29	5.865	19.29	15.53	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	5.865	0.000	0.000	Strato1_2_8_L_0
3 D	1.310	-3.0903E-02	21.54	6.548	21.54	16.45	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	6.548	0.000	0.000	Strato1_2_8_L_0
4 D	1.737	-3.0480E-02	28.56	8.683	28.56	19.55	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	8.683	0.000	0.000	Strato1_2_8_L_0
5 D	1.886	-3.0056E-02	31.02	9.431	31.02	20.57	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.431	0.000	0.000	Strato1_2_8_L_0
6 D	2.224	-2.9632E-02	36.58	11.12	36.58	23.00	ACTIVE	0.000	-1.000	0.000	1.000	1.000	11.12	0.000	0.000	Strato1_2_8_L_0
7 D	2.393	-2.9208E-02	39.36	11.96	39.36	24.16	ACTIVE	0.000	-1.200	0.000	1.000	1.000	11.96	0.000	0.000	Strato1_2_8_L_0
8 D	2.697	-2.8785E-02	44.36	13.49	44.36	26.33	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.49	0.000	0.000	Strato1_2_8_L_0
9 D	2.838	-2.8362E-02	46.68	14.19	46.68	27.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.19	0.000	0.000	Strato1_2_8_L_0
10 D	3.129	-2.7939E-02	51.47	15.65	51.47	29.34	ACTIVE	0.000	-1.800	0.000	1.000	1.000	15.65	0.000	0.000	Strato1_2_8_L_0
11 D	3.323	-2.7518E-02	54.65	16.61	54.65	30.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000	16.61	0.000	0.000	Strato1_2_8_L_0
12 D	3.602	-2.7097E-02	59.24	18.01	59.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000	18.01	0.000	0.000	Strato1_2_8_L_0
13 D	3.800	-2.6677E-02	62.51	19.00	62.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_2_8_L_0
14 D	4.071	-2.6258E-02	66.96	20.36	66.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.36	0.000	0.000	Strato1_2_8_L_0
15 D	4.274	-2.5841E-02	70.29	21.37	70.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.37	0.000	0.000	Strato1_2_8_L_0
16 D	4.516	-2.5426E-02	74.27	22.58	74.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000	22.58	0.000	0.000	Strato1_2_8_L_0
17 D	4.723	-2.5013E-02	77.68	23.61	77.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
18 D	4.985	-2.4602E-02	81.99	24.92	81.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000	24.92	0.000	0.000	Strato1_2_8_L_0
19 D	5.194	-2.4191E-02	85.43	25.97	85.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000	25.97	0.000	0.000	Strato1_2_8_L_0
20 D	5.452	-2.3780E-02	89.67	27.26	89.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000	27.26	0.000	0.000	Strato1_2_8_L_0
21 D	5.663	-2.3367E-02	93.15	28.32	93.15	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	28.32	0.000	0.000	Strato1_2_8_L_0
22 D	5.919	-2.2952E-02	97.35	29.59	97.35	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000	29.59	0.000	0.000	Strato1_2_8_L_0
23 D	6.131	-2.2535E-02	100.8	30.66	100.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000	30.66	0.000	0.000	Strato1_2_8_L_0
24 D	6.369	-2.2115E-02	104.8	31.85	104.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000	31.85	0.000	0.000	Strato1_2_8_L_0
25 D	6.584	-2.1690E-02	108.3	32.92	108.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000	32.92	0.000	0.000	Strato1_2_8_L_0
26 D	6.836	-2.1261E-02	112.4	34.18	112.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000	34.18	0.000	0.000	Strato1_2_8_L_0
27 D	7.051	-2.0827E-02	116.0	35.26	116.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000	35.26	0.000	0.000	Strato1_2_8_L_0
28 D	7.301	-2.0388E-02	120.1	36.51	120.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000	36.51	0.000	0.000	Strato1_2_8_L_0
29 D	7.518	-1.9943E-02	123.7	37.59	123.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000	37.59	0.000	0.000	Strato1_2_8_L_0
30 D	7.767	-1.9492E-02	127.7	38.83	127.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

38.83	0.000	0.000	Strato1_2_8_L_0										
31 D	7.972	-1.9035E-02	131.1	39.86	131.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
39.86	0.000	0.000	Strato1_2_8_L_0										
32 D	8.220	-1.8572E-02	135.2	41.10	135.2	71.66	ACTIVE	0.000	-6.200	0.000	1.000	1.000	
41.10	0.000	0.000	Strato1_2_8_L_0										
33 D	8.439	-1.8103E-02	138.8	42.19	138.8	73.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000	
42.19	0.000	0.000	Strato1_2_8_L_0										
34 D	8.685	-1.7627E-02	142.9	43.43	142.9	75.71	ACTIVE	0.000	-6.600	0.000	1.000	1.000	
43.43	0.000	0.000	Strato1_2_8_L_0										
35 D	8.905	-1.7145E-02	146.5	44.52	146.5	77.62	ACTIVE	0.000	-6.800	0.000	1.000	1.000	
44.52	0.000	0.000	Strato1_2_8_L_0										
36 D	9.150	-1.6657E-02	150.5	45.75	150.5	79.76	ACTIVE	0.000	-7.000	0.000	1.000	1.000	
45.75	0.000	0.000	Strato1_2_8_L_0										
37 D	9.370	-1.6163E-02	154.1	46.85	154.1	81.68	ACTIVE	0.000	-7.200	0.000	1.000	1.000	
46.85	0.000	0.000	Strato1_2_8_L_0										
38 D	9.615	-1.5664E-02	158.1	48.07	158.1	83.81	ACTIVE	0.000	-7.400	0.000	1.000	1.000	
48.07	0.000	0.000	Strato1_2_8_L_0										
39 D	9.826	-1.5160E-02	161.6	49.13	161.6	85.65	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
49.13	0.000	0.000	Strato1_2_8_L_0										
40 D	10.07	-1.4652E-02	165.6	50.35	165.6	87.78	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
41 D	10.29	-1.4139E-02	169.3	51.45	169.3	89.71	ACTIVE	0.000	-8.000	0.000	1.000	1.000	
51.45	0.000	0.000	Strato1_2_8_L_0										
42 D	10.53	-1.3624E-02	173.3	52.67	173.3	91.83	ACTIVE	0.000	-8.200	0.000	1.000	1.000	
52.67	0.000	0.000	Strato1_2_8_L_0										
43 D	10.76	-1.3107E-02	176.9	53.78	176.9	93.76	ACTIVE	0.000	-8.400	0.000	1.000	1.000	
53.78	0.000	0.000	Strato1_2_8_L_0										
44 D	11.00	-1.2589E-02	180.9	54.99	180.9	95.88	ACTIVE	0.000	-8.600	0.000	1.000	1.000	
54.99	0.000	0.000	Strato1_2_8_L_0										
45 D	11.22	-1.2070E-02	184.5	56.10	184.5	97.81	ACTIVE	0.000	-8.800	0.000	1.000	1.000	
56.10	0.000	0.000	Strato1_2_8_L_0										
46 D	11.46	-1.1552E-02	188.4	57.28	188.4	99.86	ACTIVE	0.000	-9.000	0.000	1.000	1.000	
57.28	0.000	0.000	Strato1_2_8_L_0										
47 D	11.68	-1.1037E-02	192.1	58.39	192.1	101.8	ACTIVE	0.000	-9.200	0.000	1.000	1.000	
58.39	0.000	0.000	Strato1_2_8_L_0										
48 D	11.92	-1.0525E-02	196.0	59.60	196.0	103.9	ACTIVE	0.000	-9.400	0.000	1.000	1.000	
59.60	0.000	0.000	Strato1_2_8_L_0										
49 D	12.14	-1.0018E-02	199.7	60.71	199.7	105.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000	
60.71	0.000	0.000	Strato1_2_8_L_0										
50 D	12.38	-9.5164E-03	203.7	61.92	203.7	107.9	ACTIVE	0.000	-9.800	0.000	1.000	1.000	
61.92	0.000	0.000	Strato1_2_8_L_0										
51 D	12.61	-9.0227E-03	207.3	63.03	207.3	109.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000	
63.03	0.000	0.000	Strato1_2_8_L_0										
52 D	12.85	-8.5377E-03	211.3	64.24	211.3	112.0	ACTIVE	0.000	-10.20	0.000	1.000	1.000	
64.24	0.000	0.000	Strato1_2_8_L_0										
53 D	13.07	-8.0626E-03	215.0	65.35	215.0	113.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000	
65.35	0.000	0.000	Strato1_2_8_L_0										
54 D	13.30	-7.5985E-03	218.8	66.52	218.8	116.0	ACTIVE	0.000	-10.60	0.000	1.000	1.000	
66.52	0.000	0.000	Strato1_2_8_L_0										
55 D	13.53	-7.1465E-03	222.5	67.64	222.5	117.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000	
67.64	0.000	0.000	Strato1_2_8_L_0										
56 D	13.77	-6.7075E-03	226.5	68.84	226.5	120.0	ACTIVE	0.000	-11.00	0.000	1.000	1.000	
68.84	0.000	0.000	Strato1_2_8_L_0										
57 D	13.99	-6.2822E-03	230.1	69.96	230.1	122.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000	
69.96	0.000	0.000	Strato1_2_8_L_0										
58 D	14.23	-5.8714E-03	234.1	71.16	234.1	124.1	ACTIVE	0.000	-11.40	0.000	1.000	1.000	
71.16	0.000	0.000	Strato1_2_8_L_0										
59 D	15.10	-5.4755E-03	237.8	75.48	237.8	126.0	UL-RL	8781.	-11.60	0.000	1.000	1.000	
75.48	0.000	0.000	Strato1_2_8_L_0										
60 D	16.18	-5.0952E-03	241.7	80.88	241.7	128.1	UL-RL	8781.	-11.80	0.000	1.000	1.000	
80.88	0.000	0.000	Strato1_2_8_L_0										
61 D	17.19	-4.7308E-03	245.3	85.95	245.3	130.0	UL-RL	8781.	-12.00	0.000	1.000	1.000	
85.95	0.000	0.000	Strato1_2_8_L_0										
62 D	18.21	-4.3825E-03	249.2	91.06	249.2	132.1	UL-RL	8781.	-12.20	0.000	1.000	1.000	
91.06	0.000	0.000	Strato1_2_8_L_0										
63 D	19.18	-4.0506E-03	252.9	95.88	252.9	134.1	UL-RL	8781.	-12.40	0.000	1.000	1.000	
95.88	0.000	0.000	Strato1_2_8_L_0										
64 D	8.194	-3.7351E-03	256.9	40.97	256.9	128.4	ACTIVE	0.000	-12.60	0.000	1.000	1.000	
40.97	0.000	0.000	Strato2_3095_82743_L_0										
65 D	8.377	-3.4362E-03	260.8	41.89	260.8	130.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000	
41.89	0.000	0.000	Strato2_3095_82743_L_0										
66 D	9.256	-3.1537E-03	264.9	46.28	264.9	132.4	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000	
46.28	0.000	0.000	Strato2_3095_82743_L_0										
67 D	10.93	-2.8873E-03	268.8	54.67	268.8	134.4	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000	
54.67	0.000	0.000	Strato2_3095_82743_L_0										
68 D	12.56	-2.6368E-03	272.9	62.79	272.9	136.5	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000	
62.79	0.000	0.000	Strato2_3095_82743_L_0										
69 D	14.07	-2.4015E-03	276.7	70.37	276.7	138.4	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000	
70.37	0.000	0.000	Strato2_3095_82743_L_0										
70 D	15.55	-2.1809E-03	280.8	77.74	280.8	140.4	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000	
77.74	0.000	0.000	Strato2_3095_82743_L_0										
71 D	16.93	-1.9742E-03	284.7	84.66	284.7	142.4	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000	
84.66	0.000	0.000	Strato2_3095_82743_L_0										
72 D	18.27	-1.7809E-03	288.9	91.36	288.9	144.4	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000	
91.36	0.000	0.000	Strato2_3095_82743_L_0										

73 D	19.53	-1.5999E-03	292.8	97.65	292.8	146.4	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000
97.65	0.000	0.000	Strato2_3095_82743_L_0									
74 D	20.75	-1.4305E-03	296.9	103.8	296.9	148.4	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000
103.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	21.90	-1.2717E-03	300.8	109.5	300.8	150.4	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.02	-1.1228E-03	304.8	115.1	304.8	152.4	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000
115.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.08	-9.8268E-04	308.7	120.4	308.7	154.4	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000
120.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	25.12	-8.5054E-04	312.9	125.6	312.9	156.4	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000
125.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.11	-7.2546E-04	316.8	130.6	316.8	158.4	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000
130.6	0.000	0.000	Strato2_3095_82743_L_0									
80 D	27.09	-6.0655E-04	320.9	135.5	320.9	160.4	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000
135.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.03	-4.9298E-04	324.8	140.1	324.8	162.4	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000
140.1	0.000	0.000	Strato2_3095_82743_L_0									
82 D	28.96	-3.8393E-04	328.9	144.8	328.9	164.4	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000
144.8	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.85	-2.7863E-04	332.8	149.3	332.8	166.4	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.74	-1.7637E-04	336.8	153.7	336.8	168.4	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.61	-7.6482E-05	340.8	158.1	340.8	170.4	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000
158.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.49	2.1601E-05	344.9	162.5	344.9	172.4	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000
162.5	0.000	0.000	Strato2_3095_82743_L_0									
87 D	33.35	1.1841E-04	348.8	166.7	348.8	174.4	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000
166.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.21	2.1437E-04	352.9	171.1	352.9	176.4	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000
171.1	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.06	3.0985E-04	356.8	175.3	356.8	178.4	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000
175.3	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.93	4.0509E-04	360.9	179.6	360.9	180.4	UL-RL	2.4840E+04	-17.80	0.000	1.000	1.000
179.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.29	5.0026E-04	364.8	182.9	364.8	182.9	V-C	8280.	-18.00	0.000	1.000	1.000
182.9	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                     |
|                                  Exe Time :29 July 2019      17:58:39                                                |
+----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    2

0_R                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE        E FACTOR     UFACTOR
Peq          Su_a         Su_p      LAYER
 -------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1    0.000      --          --          --          --          --          REMOVED     --       0.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   2    0.000      --          --          --          --          --          REMOVED     --     -0.2000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   3    0.000      --          --          --          --          --          REMOVED     --     -0.4000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   4    0.000      --          --          --          --          --          REMOVED     --     -0.6000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   5    0.000      --          --          --          --          --          REMOVED     --     -0.8000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   6    0.000      --          --          --          --          --          REMOVED     --      -1.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   7    0.000      --          --          --          --          --          REMOVED     --      -1.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
   8    0.000      --          --          --          --          --          REMOVED     --      -1.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
   9    0.000      --          --          --          --          --          REMOVED     --      -1.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  10    0.000      --          --          --          --          --          REMOVED     --      -1.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  11    0.000      --          --          --          --          --          REMOVED     --      -2.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  12    0.000      --          --          --          --          --          REMOVED     --      -2.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  13    0.000      --          --          --          --          --          REMOVED     --      -2.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  14    0.000      --          --          --          --          --          REMOVED     --      -2.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  15    0.000      --          --          --          --          --          REMOVED     --      -2.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  16    0.000      --          --          --          --          --          REMOVED     --      -3.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  17    0.000      --          --          --          --          --          REMOVED     --      -3.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  18    0.000      --          --          --          --          --          REMOVED     --      -3.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  19    0.000      --          --          --          --          --          REMOVED     --      -3.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  20    0.000      --          --          --          --          --          REMOVED     --      -3.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  21    0.000      --          --          --          --          --          REMOVED     --      -4.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  22    0.000      --          --          --          --          --          REMOVED     --      -4.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  23    0.000      --          --          --          --          --          REMOVED     --      -4.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  24    0.000      --          --          --          --          --          REMOVED     --      -4.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  25    0.000      --          --          --          --          --          REMOVED     --      -4.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  26    0.000      --          --          --          --          --          REMOVED     --      -5.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  27    0.000      --          --          --          --          --          REMOVED     --      -5.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  28    0.000      --          --          --          --          --          REMOVED     --      -5.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  29    0.000      --          --          --          --          --          REMOVED     --      -5.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  30    0.000      --          --          --          --          --          REMOVED     --      -5.800       0.000        1.000        1.000
```

0.000	0.000	0.000	not available										
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
45 D	1.536	1.2070E-02	1.900	7.678	167.2	90.45	PASSIVE	0.000	-8.800	0.000	1.000	1.000	
7.678	0.000	0.000	Strato1_2_8_L_0										
46 D	4.607	1.1552E-02	5.700	23.03	171.0	92.41	PASSIVE	0.000	-9.000	0.000	1.000	1.000	
23.03	0.000	0.000	Strato1_2_8_L_0										
47 D	7.678	1.1037E-02	9.500	38.39	174.8	94.38	PASSIVE	0.000	-9.200	0.000	1.000	1.000	
38.39	0.000	0.000	Strato1_2_8_L_0										
48 D	10.75	1.0525E-02	13.30	53.75	178.6	96.36	PASSIVE	0.000	-9.400	0.000	1.000	1.000	
53.75	0.000	0.000	Strato1_2_8_L_0										
49 D	13.82	1.0018E-02	17.10	69.10	182.4	98.35	PASSIVE	0.000	-9.600	0.000	1.000	1.000	
69.10	0.000	0.000	Strato1_2_8_L_0										
50 D	16.89	9.5164E-03	20.90	84.46	186.2	100.3	PASSIVE	0.000	-9.800	0.000	1.000	1.000	
84.46	0.000	0.000	Strato1_2_8_L_0										
51 D	19.96	9.0227E-03	24.70	99.81	190.0	102.3	PASSIVE	0.000	-10.00	0.000	1.000	1.000	
99.81	0.000	0.000	Strato1_2_8_L_0										
52 D	23.03	8.5377E-03	28.50	115.2	193.8	115.2	PASSIVE	0.000	-10.20	0.000	1.000	1.000	
115.2	0.000	0.000	Strato1_2_8_L_0										
53 D	24.34	8.0626E-03	32.30	121.7	197.6	121.7	V-C	2031.	-10.40	0.000	1.000	1.000	
121.7	0.000	0.000	Strato1_2_8_L_0										
54 D	24.55	7.5985E-03	36.10	122.8	201.4	122.8	V-C	2031.	-10.60	0.000	1.000	1.000	
122.8	0.000	0.000	Strato1_2_8_L_0										
55 D	24.77	7.1465E-03	39.90	123.9	205.2	123.9	V-C	2031.	-10.80	0.000	1.000	1.000	
123.9	0.000	0.000	Strato1_2_8_L_0										
56 D	24.99	6.7075E-03	43.70	125.0	209.0	125.0	V-C	2031.	-11.00	0.000	1.000	1.000	
125.0	0.000	0.000	Strato1_2_8_L_0										
57 D	25.22	6.2822E-03	47.50	126.1	212.8	126.1	V-C	2031.	-11.20	0.000	1.000	1.000	
126.1	0.000	0.000	Strato1_2_8_L_0										
58 D	25.46	5.8714E-03	51.30	127.3	216.6	127.3	V-C	2031.	-11.40	0.000	1.000	1.000	
127.3	0.000	0.000	Strato1_2_8_L_0										
59 D	25.70	5.4755E-03	55.10	128.5	220.4	128.5	V-C	2031.	-11.60	0.000	1.000	1.000	
128.5	0.000	0.000	Strato1_2_8_L_0										
60 D	25.95	5.0952E-03	58.90	129.7	224.2	129.7	V-C	2031.	-11.80	0.000	1.000	1.000	
129.7	0.000	0.000	Strato1_2_8_L_0										
61 D	26.21	4.7308E-03	62.70	131.0	228.0	131.0	V-C	2031.	-12.00	0.000	1.000	1.000	
131.0	0.000	0.000	Strato1_2_8_L_0										
62 D	26.47	4.3825E-03	66.50	132.3	231.8	132.3	V-C	2031.	-12.20	0.000	1.000	1.000	
132.3	0.000	0.000	Strato1_2_8_L_0										
63 D	26.74	4.0506E-03	70.30	133.7	235.6	133.7	V-C	2031.	-12.40	0.000	1.000	1.000	
133.7	0.000	0.000	Strato1_2_8_L_0										
64 D	24.02	3.7351E-03	74.10	120.1	239.4	120.1	V-C	4488.	-12.60	0.000	1.000	1.000	
120.1	0.000	0.000	Strato2_3095_82743_L_0										
65 D	23.87	3.4362E-03	78.10	119.3	243.4	121.7	UL-RL	1.3463E+04	-12.80	0.000	1.000	1.000	
119.3	0.000	0.000	Strato2_3095_82743_L_0										
66 D	23.59	3.1537E-03	82.10	118.0	247.4	123.7	UL-RL	1.3463E+04	-13.00	0.000	1.000	1.000	
118.0	0.000	0.000	Strato2_3095_82743_L_0										
67 D	23.35	2.8873E-03	86.10	116.8	251.4	125.7	UL-RL	1.3463E+04	-13.20	0.000	1.000	1.000	
116.8	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.15	2.6368E-03	90.10	115.8	255.4	127.7	UL-RL	1.3463E+04	-13.40	0.000	1.000	1.000	
115.8	0.000	0.000	Strato2_3095_82743_L_0										
69 D	22.99	2.4015E-03	94.10	115.0	259.4	129.7	UL-RL	1.3463E+04	-13.60	0.000	1.000	1.000	
115.0	0.000	0.000	Strato2_3095_82743_L_0										
70 D	22.87	2.1809E-03	98.10	114.3	263.4	131.7	UL-RL	1.3463E+04	-13.80	0.000	1.000	1.000	
114.3	0.000	0.000	Strato2_3095_82743_L_0										
71 D	22.78	1.9742E-03	102.1	113.9	267.4	133.7	UL-RL	1.3463E+04	-14.00	0.000	1.000	1.000	
113.9	0.000	0.000	Strato2_3095_82743_L_0										
72 D	22.72	1.7809E-03	106.1	113.6	271.4	135.7	UL-RL	1.3463E+04	-14.20	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										

73 D	22.70	1.5999E-03	110.1	113.5	275.4	137.7	UL-RL	1.3463E+04	-14.40	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	22.70	1.4305E-03	114.1	113.5	279.4	139.7	UL-RL	1.3463E+04	-14.60	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.73	1.2717E-03	118.1	113.6	283.4	141.7	UL-RL	1.3463E+04	-14.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	22.78	1.1228E-03	122.1	113.9	287.4	143.7	UL-RL	1.3463E+04	-15.00	0.000	1.000	1.000
113.9	0.000	0.000	Strato2_3095_82743_L_0									
77 D	22.85	9.8268E-04	126.1	114.3	291.4	145.7	UL-RL	1.3463E+04	-15.20	0.000	1.000	1.000
114.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	22.94	8.5054E-04	130.1	114.7	295.4	147.7	UL-RL	1.3463E+04	-15.40	0.000	1.000	1.000
114.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.05	7.2546E-04	134.1	115.3	299.4	149.7	UL-RL	1.3463E+04	-15.60	0.000	1.000	1.000
115.3	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.18	6.0655E-04	138.1	115.9	303.4	151.7	UL-RL	1.3463E+04	-15.80	0.000	1.000	1.000
115.9	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.31	4.9298E-04	142.1	116.6	307.4	153.7	UL-RL	1.3463E+04	-16.00	0.000	1.000	1.000
116.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.46	3.8393E-04	146.1	117.3	311.4	155.7	UL-RL	1.3463E+04	-16.20	0.000	1.000	1.000
117.3	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.62	2.7863E-04	150.1	118.1	315.4	157.7	UL-RL	1.3463E+04	-16.40	0.000	1.000	1.000
118.1	0.000	0.000	Strato2_3095_82743_L_0									
84 D	23.78	1.7637E-04	154.1	118.9	319.4	159.7	UL-RL	1.3463E+04	-16.60	0.000	1.000	1.000
118.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	23.95	7.6482E-05	158.1	119.7	323.4	161.7	UL-RL	1.3463E+04	-16.80	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	24.12	-2.1601E-05	162.1	120.6	327.4	163.7	UL-RL	1.3463E+04	-17.00	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	24.29	-1.1841E-04	166.1	121.5	331.4	165.7	UL-RL	1.3463E+04	-17.20	0.000	1.000	1.000
121.5	0.000	0.000	Strato2_3095_82743_L_0									
88 D	24.47	-2.1437E-04	170.1	122.3	335.4	167.7	UL-RL	1.3463E+04	-17.40	0.000	1.000	1.000
122.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	24.64	-3.0985E-04	174.1	123.2	339.4	169.7	UL-RL	1.3463E+04	-17.60	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
90 D	24.82	-4.0509E-04	178.1	124.1	343.4	171.7	UL-RL	1.3463E+04	-17.80	0.000	1.000	1.000
124.1	0.000	0.000	Strato2_3095_82743_L_0									
91 D	12.50	-5.0026E-04	182.1	125.0	347.4	173.7	UL-RL	1.3463E+04	-18.00	0.000	1.000	1.000
125.0	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      4.0000

 WALL2D ELEMENT

   EL       TA           TB           MA           MB
-----------------------------------------------------
    1 0.76608    -0.76608    -1.79601E-10 0.15322
    2  1.9391     -1.9391    -0.15322     0.54103
    3  3.2487     -3.2487    -0.54103      1.1908
    4  4.9853     -4.9853     -1.1908      2.1878
    5  6.8716     -6.8716     -2.1878      3.5621
    6  9.0954     -9.0954     -3.5621      5.3812
    7  11.488     -11.488     -5.3812      7.6789
    8  14.185     -14.185     -7.6789      10.516
    9  17.023     -17.023     -10.516      13.921
   10  20.153     -20.153     -13.921      17.951
   11  23.475     -23.475     -17.951      22.646
   12  27.077     -27.077     -22.646      28.062
   13  30.878     -30.878     -28.062      34.237
   14  34.949     -34.949     -34.237      41.227
   15  39.222     -39.222     -41.227      49.071
   16 -100.68      100.68     -49.071      28.935
   17 -95.959      95.959     -28.935      9.7433
   18 -90.974      90.974     -9.7433     -8.4515
   19 -85.780      85.780      8.4515     -25.608
   20 -80.328      80.328      25.608     -41.673
   21 -74.664      74.664      41.673     -56.606
   22 -68.746      68.746      56.606     -70.355
   23 -62.615      62.615      70.355     -82.878
   24 -56.245      56.245      82.878     -94.127
   25 -49.661      49.661      94.127     -104.06
   26 -42.825      42.825      104.06     -112.62
   27 -35.774      35.774      112.62     -119.78
   28 -28.473      28.473      119.78     -125.47
   29 -20.955      20.955      125.47     -129.66
   30 -13.188      13.188      129.66     -132.30
   31 -5.2156      5.2156      132.30     -133.35
   32  3.0046     -3.0046      133.35     -132.74
   33  11.443     -11.443      132.74     -130.46
   34  20.129     -20.129      130.46     -126.43
   35  29.033     -29.033      126.43     -120.62
   36  38.183     -38.183      120.62     -112.99
   37  47.553     -47.553      112.99     -103.48
   38  57.168     -57.168      103.48     -92.042
   39  66.994     -66.994      92.042     -78.644
   40  77.064     -77.064      78.644     -63.231
   41  87.355     -87.355      63.231     -45.760
   42  97.889     -97.889      45.760     -26.182
   43  108.65     -108.65      26.182     -4.4528
   44  119.64     -119.64      4.4528      19.476
   45  129.33     -129.33     -19.476      45.342
   46  136.18     -136.18     -45.342      72.577
   47  140.18     -140.18     -72.577      100.61
   48  141.35     -141.35     -100.61      128.88
   49  139.67     -139.67     -128.88      156.82
   50  135.16     -135.16     -156.82      183.85
   51  127.80     -127.80     -183.85      209.41
   52  117.62     -117.62     -209.41      232.93
   53  106.34     -106.34     -232.93      254.20
   54  95.094     -95.094     -254.20      273.22
   55  83.851     -83.851     -273.22      289.99
   56  72.626     -72.626     -289.99      304.52
   57  61.396     -61.396     -304.52      316.79
   58  50.170     -50.170     -316.79      326.83
   59  39.564     -39.564     -326.83      334.74
   60  29.791     -29.791     -334.74      340.70
   61  20.776     -20.776     -340.70      344.85
   62  12.519     -12.519     -344.85      347.36
   63  4.9566     -4.9566     -347.36      348.35
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   64 -10.872      10.872     -348.35      346.18
   65 -26.365      26.365     -346.18      340.90
   66 -40.700      40.700     -340.90      332.76
   67 -53.118      53.118     -332.76      322.14
   68 -63.715      63.715     -322.14      309.40
   69 -72.635      72.635     -309.40      294.87
   70 -79.956      79.956     -294.87      278.88
   71 -85.804      85.804     -278.88      261.72
   72 -90.254      90.254     -261.72      243.67
   73 -93.419      93.419     -243.67      224.98
   74 -95.363      95.363     -224.98      205.91
   75 -96.184      96.184     -205.91      186.67
   76 -95.942      95.942     -186.67      167.49
   77 -94.711      94.711     -167.49      148.54
   78 -92.531      92.531     -148.54      130.04
   79 -89.472      89.472     -130.04      112.14
   80 -85.558      85.558     -112.14      95.031
   81 -80.847      80.847     -95.031      78.861
   82 -75.352      75.352     -78.861      63.791
   83 -69.118      69.118     -63.791      49.967
   84 -62.154      62.154     -49.967      37.536
   85 -54.490      54.490     -37.536      26.638
   86 -46.118      46.118     -26.638      17.414
   87 -37.065      37.065     -17.414      10.001
   88 -27.318      27.318     -10.001      4.5377
   89 -16.899      16.899     -4.5377      1.1580
   90 -5.7899      5.7899     -1.1580    -7.12883E-12


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   149.51     -6.74572E-04  2.04298E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1002E+07 RIMNOR=0.5249E+07
           RENORM=0.2568E+05 REMNOR=0.9245E-18 RATIO =0.1601     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 348.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1002E+07 RDR   =0.5249E+07
           RATIOT=0.1601     RATIOR= 0.000
           MAX UN= 1.060     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-160.0     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
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           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM= 3.981     REMNOR=0.1080E-17 RATIO =0.1994E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1994E-02 RATIOR= 0.000
            MAX UN= 1.023     IEQ=      3 NODE      2 DOF   1  Y-DISPL.F
            MIN UN=-.1182     IEQ=     89 NODE     45 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.6051     REMNOR=0.1038E-17 RATIO =0.7773E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.7773E-03 RATIOR= 0.000
            MAX UN=0.5748     IEQ=     21 NODE     11 DOF   1  Y-DISPL.F
            MIN UN=-.6542E-08 IEQ=     35 NODE     18 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.1118E-01 REMNOR=0.1352E-17 RATIO =0.1056E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1056E-03 RATIOR= 0.000
            MAX UN=0.1057     IEQ=     29 NODE     15 DOF   1  Y-DISPL.F
            MIN UN=-.3216E-02 IEQ=     89 NODE     45 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1002E+07 RIMNOR=0.5249E+07
            RENORM=0.3748E-15 REMNOR=0.1674E-17 RATIO =0.1935E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 161.0     RMMAX = 348.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1002E+07 RDR   =0.5249E+07
            RATIOT=0.1935E-10 RATIOR= 0.000
            MAX UN=0.8070E-08 IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
            MIN UN=-.7462E-08 IEQ=      9 NODE      5 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3324042E-02  -2.5697399E-03
    2   3.2810095E-02  -2.5697145E-03
    3   3.2296162E-02  -2.5695960E-03
    4   3.1782269E-02  -2.5692966E-03
    5   3.1268462E-02  -2.5687151E-03
    6   3.0754810E-02  -2.5677367E-03
    7   3.0241403E-02  -2.5662349E-03
    8   2.9728360E-02  -2.5640712E-03
    9   2.9215828E-02  -2.5610959E-03
   10   2.8703986E-02  -2.5571488E-03
   11   2.8193045E-02  -2.5520593E-03
   12   2.7683251E-02  -2.5456453E-03
   13   2.7174888E-02  -2.5377137E-03
   14   2.6668280E-02  -2.5280598E-03
   15   2.6163793E-02  -2.5164679E-03
   16   2.5661837E-02  -2.5027111E-03
   17   2.5162639E-02  -2.4899930E-03
   18   2.4665558E-02  -2.4815026E-03
   19   2.4169775E-02  -2.4769677E-03
   20   2.3674527E-02  -2.4760983E-03
   21   2.3179112E-02  -2.4785860E-03
   22   2.2682890E-02  -2.4841043E-03
   23   2.2185291E-02  -2.4923089E-03
   24   2.1685814E-02  -2.5028374E-03
   25   2.1184029E-02  -2.5153105E-03
   26   2.0679587E-02  -2.5293313E-03
   27   2.0172221E-02  -2.5444855E-03
   28   1.9661746E-02  -2.5603414E-03
   29   1.9148070E-02  -2.5764505E-03
   30   1.8631182E-02  -2.5923471E-03
   31   1.8111177E-02  -2.6075491E-03
   32   1.7588242E-02  -2.6215579E-03
   33   1.7062668E-02  -2.6338594E-03
   34   1.6534848E-02  -2.6439232E-03
   35   1.6005287E-02  -2.6512036E-03
   36   1.5474592E-02  -2.6551398E-03
   37   1.4943492E-02  -2.6551559E-03
   38   1.4412830E-02  -2.6506619E-03
   39   1.3883568E-02  -2.6410536E-03
   40   1.3356793E-02  -2.6257140E-03
   41   1.2833709E-02  -2.6040131E-03
   42   1.2315645E-02  -2.5753081E-03
   43   1.1803831E-02  -2.5427691E-03
   44   1.1298585E-02  -2.5095537E-03
   45   1.0800103E-02  -2.4749868E-03
   46   1.0308726E-02  -2.4383867E-03
   47   9.8249246E-03  -2.3991361E-03
   48   9.3492800E-03  -2.3567538E-03
   49   8.8824570E-03  -2.3108984E-03
   50   8.4251680E-03  -2.2613678E-03
   51   7.9781589E-03  -2.2081016E-03
   52   7.5421667E-03  -2.1511798E-03
   53   7.1179114E-03  -2.0908255E-03
   54   6.7060439E-03  -2.0273602E-03
   55   6.3071511E-03  -1.9611387E-03
   56   5.9217481E-03  -1.8925222E-03
   57   5.5502773E-03  -1.8218790E-03
   58   5.1931066E-03  -1.7495848E-03
   59   4.8505279E-03  -1.6760227E-03
   60   4.5227570E-03  -1.6015686E-03
   61   4.2099367E-03  -1.5265715E-03
   62   3.9121433E-03  -1.4513498E-03
   63   3.6293924E-03  -1.3761932E-03
   64   3.3616442E-03  -1.3013640E-03
   65   3.1087978E-03  -1.2272709E-03
   66   2.8706489E-03  -1.1544826E-03
   67   2.6468811E-03  -1.0835486E-03
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68	2.4370831E-03	-1.0149649E-03
69	2.2407216E-03	-9.4914332E-04
70	2.0572181E-03	-8.8643773E-04
71	1.8859197E-03	-8.2713447E-04
72	1.7261224E-03	-7.7146014E-04
73	1.5770823E-03	-7.1958569E-04
74	1.4380268E-03	-6.7163035E-04
75	1.3081642E-03	-6.2766516E-04
76	1.1866930E-03	-5.8771628E-04
77	1.0728109E-03	-5.5176824E-04
78	9.6572260E-04	-5.1976660E-04
79	8.6464726E-04	-4.9162025E-04
80	7.6882586E-04	-4.6720360E-04
81	6.7752773E-04	-4.4635843E-04
82	5.9005700E-04	-4.2889559E-04
83	5.0575858E-04	-4.1459634E-04
84	4.2402403E-04	-4.0321354E-04
85	3.4429309E-04	-3.9447238E-04
86	2.6607498E-04	-3.8807272E-04
87	1.8892974E-04	-3.8368688E-04
88	1.1248950E-04	-3.8096193E-04
89	3.6459476E-05	-3.7951941E-04
90	-3.9376844E-05	-3.7895554E-04
91	-1.1515271E-04	-3.7884124E-04

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 17:58:39

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	1.070	-3.3324E-02	35.20	10.70	35.20	18.31	ACTIVE	0.000	0.000	0.000	1.000	1.000
10.70	0.000	0.000	Strato1_2_8_L_0									
2 D	1.781	-3.2810E-02	29.29	8.905	29.29	15.53	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
8.905	0.000	0.000	Strato1_2_8_L_0									
3 D	1.918	-3.2296E-02	31.54	9.588	31.54	16.45	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
9.588	0.000	0.000	Strato1_2_8_L_0									
4 D	2.345	-3.1782E-02	38.56	11.72	38.56	19.55	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
11.72	0.000	0.000	Strato1_2_8_L_0									
5 D	2.494	-3.1268E-02	41.02	12.47	41.02	20.57	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
12.47	0.000	0.000	Strato1_2_8_L_0									
6 D	2.832	-3.0755E-02	46.58	14.16	46.58	23.00	ACTIVE	0.000	-1.000	0.000	1.000	1.000
14.16	0.000	0.000	Strato1_2_8_L_0									
7 D	3.001	-3.0241E-02	49.36	15.00	49.36	24.16	ACTIVE	0.000	-1.200	0.000	1.000	1.000
15.00	0.000	0.000	Strato1_2_8_L_0									
8 D	3.305	-2.9728E-02	54.36	16.53	54.36	26.33	ACTIVE	0.000	-1.400	0.000	1.000	1.000
16.53	0.000	0.000	Strato1_2_8_L_0									
9 D	3.446	-2.9216E-02	56.68	17.23	56.68	27.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000
17.23	0.000	0.000	Strato1_2_8_L_0									
10 D	3.737	-2.8704E-02	61.47	18.69	61.47	29.34	ACTIVE	0.000	-1.800	0.000	1.000	1.000
18.69	0.000	0.000	Strato1_2_8_L_0									
11 D	3.931	-2.8193E-02	64.65	19.65	64.65	30.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000
19.65	0.000	0.000	Strato1_2_8_L_0									
12 D	4.210	-2.7683E-02	69.24	21.05	69.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000
21.05	0.000	0.000	Strato1_2_8_L_0									
13 D	4.408	-2.7175E-02	72.51	22.04	72.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000
22.04	0.000	0.000	Strato1_2_8_L_0									
14 D	4.679	-2.6668E-02	76.96	23.40	76.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000
23.40	0.000	0.000	Strato1_2_8_L_0									
15 D	4.882	-2.6164E-02	80.29	24.41	80.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000
24.41	0.000	0.000	Strato1_2_8_L_0									
16 D	5.162	-2.5662E-02	84.27	25.81	84.27	39.37	UL-RL	8781.	-3.000	0.000	1.000	1.000
25.81	0.000	0.000	Strato1_2_8_L_0									
17 D	5.521	-2.5163E-02	87.68	27.60	87.68	41.17	UL-RL	8781.	-3.200	0.000	1.000	1.000
27.60	0.000	0.000	Strato1_2_8_L_0									

18 D	5.933	-2.4666E-02	91.99	29.67	91.99	43.45	UL-RL	8781.	-3.400	0.000	1.000	1.000
29.67	0.000	0.000	Strato1_2_8_L_0									
19 D	6.291	-2.4170E-02	95.43	31.46	95.43	45.28	UL-RL	8781.	-3.600	0.000	1.000	1.000
31.46	0.000	0.000	Strato1_2_8_L_0									
20 D	6.697	-2.3675E-02	99.67	33.48	99.67	47.53	UL-RL	8781.	-3.800	0.000	1.000	1.000
33.48	0.000	0.000	Strato1_2_8_L_0									
21 D	7.053	-2.3179E-02	103.1	35.27	103.1	49.37	UL-RL	8781.	-4.000	0.000	1.000	1.000
35.27	0.000	0.000	Strato1_2_8_L_0									
22 D	7.452	-2.2683E-02	107.3	37.26	107.3	51.59	UL-RL	8781.	-4.200	0.000	1.000	1.000
37.26	0.000	0.000	Strato1_2_8_L_0									
23 D	7.806	-2.2185E-02	110.8	39.03	110.8	53.45	UL-RL	8781.	-4.400	0.000	1.000	1.000
39.03	0.000	0.000	Strato1_2_8_L_0									
24 D	8.183	-2.1686E-02	114.8	40.91	114.8	55.52	UL-RL	8781.	-4.600	0.000	1.000	1.000
40.91	0.000	0.000	Strato1_2_8_L_0									
25 D	8.533	-2.1184E-02	118.3	42.66	118.3	57.39	UL-RL	8781.	-4.800	0.000	1.000	1.000
42.66	0.000	0.000	Strato1_2_8_L_0									
26 D	8.917	-2.0680E-02	122.4	44.59	122.4	59.59	UL-RL	8781.	-5.000	0.000	1.000	1.000
44.59	0.000	0.000	Strato1_2_8_L_0									
27 D	9.262	-2.0172E-02	126.0	46.31	126.0	61.47	UL-RL	8781.	-5.200	0.000	1.000	1.000
46.31	0.000	0.000	Strato1_2_8_L_0									
28 D	9.637	-1.9662E-02	130.1	48.19	130.1	63.65	UL-RL	8781.	-5.400	0.000	1.000	1.000
48.19	0.000	0.000	Strato1_2_8_L_0									
29 D	9.974	-1.9148E-02	133.7	49.87	133.7	65.53	UL-RL	8781.	-5.600	0.000	1.000	1.000
49.87	0.000	0.000	Strato1_2_8_L_0									
30 D	10.34	-1.8631E-02	137.7	51.70	137.7	67.70	UL-RL	8781.	-5.800	0.000	1.000	1.000
51.70	0.000	0.000	Strato1_2_8_L_0									
31 D	10.66	-1.8111E-02	141.1	53.28	141.1	69.50	UL-RL	8781.	-6.000	0.000	1.000	1.000
53.28	0.000	0.000	Strato1_2_8_L_0									
32 D	11.01	-1.7588E-02	145.2	55.04	145.2	71.66	UL-RL	8781.	-6.200	0.000	1.000	1.000
55.04	0.000	0.000	Strato1_2_8_L_0									
33 D	11.33	-1.7063E-02	148.8	56.63	148.8	73.56	UL-RL	8781.	-6.400	0.000	1.000	1.000
56.63	0.000	0.000	Strato1_2_8_L_0									
34 D	11.66	-1.6535E-02	152.9	58.31	152.9	75.71	UL-RL	8781.	-6.600	0.000	1.000	1.000
58.31	0.000	0.000	Strato1_2_8_L_0									
35 D	11.97	-1.6005E-02	156.5	59.83	156.5	77.62	UL-RL	8781.	-6.800	0.000	1.000	1.000
59.83	0.000	0.000	Strato1_2_8_L_0									
36 D	12.29	-1.5475E-02	160.5	61.43	160.5	79.76	UL-RL	8781.	-7.000	0.000	1.000	1.000
61.43	0.000	0.000	Strato1_2_8_L_0									
37 D	12.57	-1.4943E-02	164.1	62.86	164.1	81.68	UL-RL	8781.	-7.200	0.000	1.000	1.000
62.86	0.000	0.000	Strato1_2_8_L_0									
38 D	12.87	-1.4413E-02	168.1	64.36	168.1	83.81	UL-RL	8781.	-7.400	0.000	1.000	1.000
64.36	0.000	0.000	Strato1_2_8_L_0									
39 D	13.13	-1.3884E-02	171.6	65.64	171.6	85.65	UL-RL	8781.	-7.600	0.000	1.000	1.000
65.64	0.000	0.000	Strato1_2_8_L_0									
40 D	13.40	-1.3357E-02	175.6	67.02	175.6	87.78	UL-RL	8781.	-7.800	0.000	1.000	1.000
67.02	0.000	0.000	Strato1_2_8_L_0									
41 D	13.64	-1.2834E-02	179.3	68.22	179.3	89.71	UL-RL	8781.	-8.000	0.000	1.000	1.000
68.22	0.000	0.000	Strato1_2_8_L_0									
42 D	13.89	-1.2316E-02	183.3	69.46	183.3	91.83	UL-RL	8781.	-8.200	0.000	1.000	1.000
69.46	0.000	0.000	Strato1_2_8_L_0									
43 D	14.10	-1.1804E-02	186.9	70.52	186.9	93.76	UL-RL	8781.	-8.400	0.000	1.000	1.000
70.52	0.000	0.000	Strato1_2_8_L_0									
44 D	14.32	-1.1299E-02	190.9	71.62	190.9	95.88	UL-RL	8781.	-8.600	0.000	1.000	1.000
71.62	0.000	0.000	Strato1_2_8_L_0									
45 D	14.51	-1.0800E-02	194.5	72.55	194.5	97.81	UL-RL	8781.	-8.800	0.000	1.000	1.000
72.55	0.000	0.000	Strato1_2_8_L_0									
46 D	14.70	-1.0309E-02	198.4	73.50	198.4	99.86	UL-RL	8781.	-9.000	0.000	1.000	1.000
73.50	0.000	0.000	Strato1_2_8_L_0									
47 D	14.87	-9.8249E-03	202.1	74.33	202.1	101.8	UL-RL	8781.	-9.200	0.000	1.000	1.000
74.33	0.000	0.000	Strato1_2_8_L_0									
48 D	15.04	-9.3493E-03	206.0	75.22	206.0	103.9	UL-RL	8781.	-9.400	0.000	1.000	1.000
75.22	0.000	0.000	Strato1_2_8_L_0									
49 D	15.20	-8.8825E-03	209.7	75.98	209.7	105.8	UL-RL	8781.	-9.600	0.000	1.000	1.000
75.98	0.000	0.000	Strato1_2_8_L_0									
50 D	15.36	-8.4252E-03	213.7	76.80	213.7	107.9	UL-RL	8781.	-9.800	0.000	1.000	1.000
76.80	0.000	0.000	Strato1_2_8_L_0									
51 D	15.50	-7.9782E-03	217.3	77.50	217.3	109.9	UL-RL	8781.	-10.00	0.000	1.000	1.000
77.50	0.000	0.000	Strato1_2_8_L_0									
52 D	15.66	-7.5422E-03	221.3	78.28	221.3	112.0	UL-RL	8781.	-10.20	0.000	1.000	1.000
78.28	0.000	0.000	Strato1_2_8_L_0									
53 D	15.79	-7.1179E-03	225.0	78.95	225.0	113.9	UL-RL	8781.	-10.40	0.000	1.000	1.000
78.95	0.000	0.000	Strato1_2_8_L_0									
54 D	15.93	-6.7060E-03	228.8	79.66	228.8	116.0	UL-RL	8781.	-10.60	0.000	1.000	1.000
79.66	0.000	0.000	Strato1_2_8_L_0									
55 D	16.06	-6.3072E-03	232.5	80.31	232.5	117.9	UL-RL	8781.	-10.80	0.000	1.000	1.000
80.31	0.000	0.000	Strato1_2_8_L_0									
56 D	16.21	-5.9217E-03	236.5	81.04	236.5	120.0	UL-RL	8781.	-11.00	0.000	1.000	1.000
81.04	0.000	0.000	Strato1_2_8_L_0									
57 D	16.34	-5.5503E-03	240.1	81.69	240.1	122.0	UL-RL	8781.	-11.20	0.000	1.000	1.000
81.69	0.000	0.000	Strato1_2_8_L_0									
58 D	16.48	-5.1931E-03	244.1	82.42	244.1	124.1	UL-RL	8781.	-11.40	0.000	1.000	1.000
82.42	0.000	0.000	Strato1_2_8_L_0									
59 D	17.25	-4.8505E-03	247.8	86.26	247.8	126.0	UL-RL	8781.	-11.60	0.000	1.000	1.000
86.26	0.000	0.000	Strato1_2_8_L_0									
60 D	18.24	-4.5228E-03	251.7	91.21	251.7	128.1	UL-RL	8781.	-11.80	0.000	1.000	1.000

91.21	0.000	0.000	Strato1_2_8_L_0									
61 D	19.17	-4.2099E-03	255.3	95.83	255.3	130.0	UL-RL	8781.	-12.00	0.000	1.000	1.000
95.83	0.000	0.000	Strato1_2_8_L_0									
62 D	20.10	-3.9121E-03	259.2	100.5	259.2	132.1	UL-RL	8781.	-12.20	0.000	1.000	1.000
100.5	0.000	0.000	Strato1_2_8_L_0									
63 D	20.98	-3.6294E-03	262.9	104.9	262.9	134.1	UL-RL	8781.	-12.40	0.000	1.000	1.000
104.9	0.000	0.000	Strato1_2_8_L_0									
64 D	11.05	-3.3616E-03	266.9	55.25	266.9	128.4	UL-RL	2.4840E+04	-12.60	0.000	1.000	1.000
55.25	0.000	0.000	Strato2_3095_82743_L_0									
65 D	11.00	-3.1088E-03	270.8	55.02	270.8	130.4	UL-RL	2.4840E+04	-12.80	0.000	1.000	1.000
55.02	0.000	0.000	Strato2_3095_82743_L_0									
66 D	11.66	-2.8706E-03	274.9	58.31	274.9	132.4	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000
58.31	0.000	0.000	Strato2_3095_82743_L_0									
67 D	13.13	-2.6469E-03	278.8	65.65	278.8	134.4	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000
65.65	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.55	-2.4371E-03	282.9	72.75	282.9	136.5	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000
72.75	0.000	0.000	Strato2_3095_82743_L_0									
69 D	15.87	-2.2407E-03	286.7	79.36	286.7	138.4	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000
79.36	0.000	0.000	Strato2_3095_82743_L_0									
70 D	17.16	-2.0572E-03	290.8	85.81	290.8	140.4	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000
85.81	0.000	0.000	Strato2_3095_82743_L_0									
71 D	18.37	-1.8859E-03	294.7	91.85	294.7	142.4	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000
91.85	0.000	0.000	Strato2_3095_82743_L_0									
72 D	19.54	-1.7261E-03	298.9	97.72	298.9	144.4	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000
97.72	0.000	0.000	Strato2_3095_82743_L_0									
73 D	20.64	-1.5771E-03	302.8	103.2	302.8	146.4	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000
103.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	21.72	-1.4380E-03	306.9	108.6	306.9	148.4	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000
108.6	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.72	-1.3082E-03	310.8	113.6	310.8	150.4	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.70	-1.1867E-03	314.8	118.5	314.8	152.4	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000
118.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.63	-1.0728E-03	318.7	123.2	318.7	154.4	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
78 D	25.55	-9.6572E-04	322.9	127.8	322.9	156.4	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000
127.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.42	-8.6465E-04	326.8	132.1	326.8	158.4	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	27.28	-7.6883E-04	330.9	136.4	330.9	160.4	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.11	-6.7753E-04	334.8	140.5	334.8	162.4	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000
140.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	28.93	-5.9006E-04	338.9	144.7	338.9	164.4	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000
144.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.72	-5.0576E-04	342.8	148.6	342.8	166.4	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000
148.6	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.51	-4.2402E-04	346.8	152.6	346.8	168.4	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000
152.6	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.28	-3.4429E-04	350.8	156.4	350.8	170.4	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000
156.4	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.06	-2.6607E-04	354.9	160.3	354.9	172.4	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000
160.3	0.000	0.000	Strato2_3095_82743_L_0									
87 D	32.82	-1.8893E-04	358.8	164.1	358.8	174.4	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000
164.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	33.59	-1.1249E-04	362.9	167.9	362.9	176.4	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000
167.9	0.000	0.000	Strato2_3095_82743_L_0									
89 D	34.34	-3.6459E-05	366.8	171.7	366.8	180.3	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000
171.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.11	3.9377E-05	370.9	175.6	370.9	184.6	UL-RL	2.4840E+04	-17.80	0.000	1.000	1.000
175.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	17.83	1.1515E-04	374.8	178.3	374.8	187.9	UL-RL	2.4840E+04	-18.00	0.000	1.000	1.000
178.3	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                      |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                     |
|                                  Exe Time :29 July 2019      17:58:39                                                |
+----------------------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

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0.000       0.000       0.000     not available
   31     0.000         --          --          --          --          --          REMOVED     --        -6.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   32     0.000         --          --          --          --          --          REMOVED     --        -6.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
   33     0.000         --          --          --          --          --          REMOVED     --        -6.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
   34     0.000         --          --          --          --          --          REMOVED     --        -6.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
   35     0.000         --          --          --          --          --          REMOVED     --        -6.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
   36     0.000         --          --          --          --          --          REMOVED     --        -7.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   37     0.000         --          --          --          --          --          REMOVED     --        -7.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
   38     0.000         --          --          --          --          --          REMOVED     --        -7.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
   39     0.000         --          --          --          --          --          REMOVED     --        -7.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
   40     0.000         --          --          --          --          --          REMOVED     --        -7.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
   41     0.000         --          --          --          --          --          REMOVED     --        -8.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   42     0.000         --          --          --          --          --          REMOVED     --        -8.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
   43     0.000         --          --          --          --          --          REMOVED     --        -8.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
   44     0.000         --          --          --          --          --          REMOVED     --        -8.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
   45 D   0.1191      1.0800E-02  1.900       0.5955      167.2       90.45       UL-RL       6094.     -8.800      0.000       1.000       1.000
0.5955      0.000       0.000     Strato1_2_8_L_0
   46 D   3.091       1.0309E-02  5.700       15.45       171.0       92.41       UL-RL       6094.     -9.000      0.000       1.000       1.000
15.45       0.000       0.000     Strato1_2_8_L_0
   47 D   6.201       9.8249E-03  9.500       31.00       174.8       94.38       UL-RL       6094.     -9.200      0.000       1.000       1.000
31.00       0.000       0.000     Strato1_2_8_L_0
   48 D   9.316       9.3493E-03  13.30       46.58       178.6       96.36       UL-RL       6094.     -9.400      0.000       1.000       1.000
46.58       0.000       0.000     Strato1_2_8_L_0
   49 D   12.44       8.8825E-03  17.10       62.18       182.4       98.35       UL-RL       6094.     -9.600      0.000       1.000       1.000
62.18       0.000       0.000     Strato1_2_8_L_0
   50 D   15.56       8.4252E-03  20.90       77.81       186.2       100.3       UL-RL       6094.     -9.800      0.000       1.000       1.000
77.81       0.000       0.000     Strato1_2_8_L_0
   51 D   18.69       7.9782E-03  24.70       93.45       190.0       102.3       UL-RL       6094.     -10.00      0.000       1.000       1.000
93.45       0.000       0.000     Strato1_2_8_L_0
   52 D   21.82       7.5422E-03  28.50       109.1       193.8       115.2       UL-RL       6094.     -10.20      0.000       1.000       1.000
109.1       0.000       0.000     Strato1_2_8_L_0
   53 D   23.19       7.1179E-03  32.30       116.0       197.6       121.7       UL-RL       6094.     -10.40      0.000       1.000       1.000
116.0       0.000       0.000     Strato1_2_8_L_0
   54 D   23.47       6.7060E-03  36.10       117.3       201.4       122.8       UL-RL       6094.     -10.60      0.000       1.000       1.000
117.3       0.000       0.000     Strato1_2_8_L_0
   55 D   23.75       6.3072E-03  39.90       118.7       205.2       123.9       UL-RL       6094.     -10.80      0.000       1.000       1.000
118.7       0.000       0.000     Strato1_2_8_L_0
   56 D   24.04       5.9217E-03  43.70       120.2       209.0       125.0       UL-RL       6094.     -11.00      0.000       1.000       1.000
120.2       0.000       0.000     Strato1_2_8_L_0
   57 D   24.33       5.5503E-03  47.50       121.7       212.8       126.1       UL-RL       6094.     -11.20      0.000       1.000       1.000
121.7       0.000       0.000     Strato1_2_8_L_0
   58 D   24.63       5.1931E-03  51.30       123.2       216.6       127.3       UL-RL       6094.     -11.40      0.000       1.000       1.000
123.2       0.000       0.000     Strato1_2_8_L_0
   59 D   24.94       4.8505E-03  55.10       124.7       220.4       128.5       UL-RL       6094.     -11.60      0.000       1.000       1.000
124.7       0.000       0.000     Strato1_2_8_L_0
   60 D   25.25       4.5228E-03  58.90       126.3       224.2       129.7       UL-RL       6094.     -11.80      0.000       1.000       1.000
126.3       0.000       0.000     Strato1_2_8_L_0
   61 D   25.57       4.2099E-03  62.70       127.9       228.0       131.0       UL-RL       6094.     -12.00      0.000       1.000       1.000
127.9       0.000       0.000     Strato1_2_8_L_0
   62 D   25.90       3.9121E-03  66.50       129.5       231.8       132.3       UL-RL       6094.     -12.20      0.000       1.000       1.000
129.5       0.000       0.000     Strato1_2_8_L_0
   63 D   26.23       3.6294E-03  70.30       131.1       235.6       133.7       UL-RL       6094.     -12.40      0.000       1.000       1.000
131.1       0.000       0.000     Strato1_2_8_L_0
   64 D   23.02       3.3616E-03  74.10       115.1       239.4       120.1       UL-RL       1.3463E+04 -12.60     0.000       1.000       1.000
115.1       0.000       0.000     Strato2_3095_82743_L_0
   65 D   22.99       3.1088E-03  78.10       114.9       243.4       121.7       UL-RL       1.3463E+04 -12.80     0.000       1.000       1.000
114.9       0.000       0.000     Strato2_3095_82743_L_0
   66 D   22.83       2.8706E-03  82.10       114.1       247.4       123.7       UL-RL       1.3463E+04 -13.00     0.000       1.000       1.000
114.1       0.000       0.000     Strato2_3095_82743_L_0
   67 D   22.71       2.6469E-03  86.10       113.5       251.4       125.7       UL-RL       1.3463E+04 -13.20     0.000       1.000       1.000
113.5       0.000       0.000     Strato2_3095_82743_L_0
   68 D   22.62       2.4371E-03  90.10       113.1       255.4       127.7       UL-RL       1.3463E+04 -13.40     0.000       1.000       1.000
113.1       0.000       0.000     Strato2_3095_82743_L_0
   69 D   22.56       2.2407E-03  94.10       112.8       259.4       129.7       UL-RL       1.3463E+04 -13.60     0.000       1.000       1.000
112.8       0.000       0.000     Strato2_3095_82743_L_0
   70 D   22.54       2.0572E-03  98.10       112.7       263.4       131.7       UL-RL       1.3463E+04 -13.80     0.000       1.000       1.000
112.7       0.000       0.000     Strato2_3095_82743_L_0
   71 D   22.54       1.8859E-03  102.1       112.7       267.4       133.7       UL-RL       1.3463E+04 -14.00     0.000       1.000       1.000
112.7       0.000       0.000     Strato2_3095_82743_L_0
   72 D   22.57       1.7261E-03  106.1       112.9       271.4       135.7       UL-RL       1.3463E+04 -14.20     0.000       1.000       1.000
112.9       0.000       0.000     Strato2_3095_82743_L_0
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  73 D   22.63      1.5771E-03   110.1       113.2       275.4        137.7            UL-RL  1.3463E+04  -14.40        0.000        1.000        1.000
113.2       0.000        0.000    Strato2_3095_82743_L_0
  74 D   22.72      1.4380E-03   114.1       113.6       279.4        139.7            UL-RL  1.3463E+04  -14.60        0.000        1.000        1.000
113.6       0.000        0.000    Strato2_3095_82743_L_0
  75 D   22.82      1.3082E-03   118.1       114.1       283.4        141.7            UL-RL  1.3463E+04  -14.80        0.000        1.000        1.000
114.1       0.000        0.000    Strato2_3095_82743_L_0
  76 D   22.95      1.1867E-03   122.1       114.7       287.4        143.7            UL-RL  1.3463E+04  -15.00        0.000        1.000        1.000
114.7       0.000        0.000    Strato2_3095_82743_L_0
  77 D   23.09      1.0728E-03   126.1       115.5       291.4        145.7            UL-RL  1.3463E+04  -15.20        0.000        1.000        1.000
115.5       0.000        0.000    Strato2_3095_82743_L_0
  78 D   23.25      9.6572E-04   130.1       116.3       295.4        147.7            UL-RL  1.3463E+04  -15.40        0.000        1.000        1.000
116.3       0.000        0.000    Strato2_3095_82743_L_0
  79 D   23.43      8.6465E-04   134.1       117.1       299.4        149.7            UL-RL  1.3463E+04  -15.60        0.000        1.000        1.000
117.1       0.000        0.000    Strato2_3095_82743_L_0
  80 D   23.61      7.6883E-04   138.1       118.1       303.4        151.7            UL-RL  1.3463E+04  -15.80        0.000        1.000        1.000
118.1       0.000        0.000    Strato2_3095_82743_L_0
  81 D   23.81      6.7753E-04   142.1       119.1       307.4        153.7            UL-RL  1.3463E+04  -16.00        0.000        1.000        1.000
119.1       0.000        0.000    Strato2_3095_82743_L_0
  82 D   24.02      5.9006E-04   146.1       120.1       311.4        155.7            UL-RL  1.3463E+04  -16.20        0.000        1.000        1.000
120.1       0.000        0.000    Strato2_3095_82743_L_0
  83 D   24.23      5.0576E-04   150.1       121.1       315.4        157.7            UL-RL  1.3463E+04  -16.40        0.000        1.000        1.000
121.1       0.000        0.000    Strato2_3095_82743_L_0
  84 D   24.45      4.2402E-04   154.1       122.2       319.4        159.7            UL-RL  1.3463E+04  -16.60        0.000        1.000        1.000
122.2       0.000        0.000    Strato2_3095_82743_L_0
  85 D   24.67      3.4429E-04   158.1       123.3       323.4        161.7            UL-RL  1.3463E+04  -16.80        0.000        1.000        1.000
123.3       0.000        0.000    Strato2_3095_82743_L_0
  86 D   24.89      2.6607E-04   162.1       124.5       327.4        163.7            UL-RL  1.3463E+04  -17.00        0.000        1.000        1.000
124.5       0.000        0.000    Strato2_3095_82743_L_0
  87 D   25.12      1.8893E-04   166.1       125.6       331.4        165.7            UL-RL  1.3463E+04  -17.20        0.000        1.000        1.000
125.6       0.000        0.000    Strato2_3095_82743_L_0
  88 D   25.35      1.1249E-04   170.1       126.7       335.4        167.7            UL-RL  1.3463E+04  -17.40        0.000        1.000        1.000
126.7       0.000        0.000    Strato2_3095_82743_L_0
  89 D   25.58      3.6459E-05   174.1       127.9       339.4        169.7            UL-RL  1.3463E+04  -17.60        0.000        1.000        1.000
127.9       0.000        0.000    Strato2_3095_82743_L_0
  90 D   25.80     -3.9377E-05   178.1       129.0       343.4        171.7            UL-RL  1.3463E+04  -17.80        0.000        1.000        1.000
129.0       0.000        0.000    Strato2_3095_82743_L_0
  91 D   13.02     -1.1515E-04   182.1       130.2       347.4        173.7            UL-RL  1.3463E+04  -18.00        0.000        1.000        1.000
130.2       0.000        0.000    Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                     |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                   |
 |                                   Exe Time :29 July 2019      17:58:39                                              |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P  N O.    3

 WallElement_33                   :
 ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T    T I M E    I S      5.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -----------------------------------------------------
     1  1.0701     -1.0701    -1.23111E-10 0.21402
     2  2.8511     -2.8511    -0.21402     0.78423
     3  4.7687     -4.7687    -0.78423      1.7380
     4  7.1133     -7.1133     -1.7380      3.1606
     5  9.6076     -9.6076     -3.1606      5.0821
     6  12.439     -12.439     -5.0821      7.5700
     7  15.440     -15.440     -7.5700      10.658
     8  18.745     -18.745     -10.658      14.407
     9  22.191     -22.191     -14.407      18.845
    10  25.929     -25.929     -18.845      24.031
    11  29.859     -29.859     -24.031      30.003
    12  34.069     -34.069     -30.003      36.817
    13  38.478     -38.478     -36.817      44.512
    14  43.157     -43.157     -44.512      53.144
    15  48.038     -48.038     -53.144      62.751
    16 -91.798      91.798     -62.751      44.392
    17 -86.277      86.277     -44.392      27.136
    18 -80.344      80.344     -27.136      11.067
    19 -74.053      74.053     -11.067     -3.7431
    20 -67.356      67.356      3.7431     -17.214
    21 -60.303      60.303      17.214     -29.275
    22 -52.850      52.850      29.275     -39.845
    23 -45.045      45.045      39.845     -48.854
    24 -36.862      36.862      48.854     -56.226
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25	-28.329	28.329	56.226	-61.892
26	-19.412	19.412	61.892	-65.774
27	-10.150	10.150	65.774	-67.804
28	-0.51292	0.51292	67.804	-67.907
29	9.4616	-9.4616	67.907	-66.015
30	19.801	-19.801	66.015	-62.055
31	30.456	-30.456	62.055	-55.963
32	41.465	-41.465	55.963	-47.670
33	52.790	-52.790	47.670	-37.112
34	64.453	-64.453	37.112	-24.222
35	76.418	-76.418	24.222	-8.9383
36	88.704	-88.704	8.9383	8.8025
37	101.28	-101.28	-8.8025	29.058
38	114.15	-114.15	-29.058	51.887
39	127.27	-127.27	-51.887	77.342
40	140.68	-140.68	-77.342	105.48
41	154.32	-154.32	-105.48	136.34
42	7.1959	-7.1959	-136.34	137.78
43	21.301	-21.301	-137.78	142.04
44	35.625	-35.625	-142.04	149.17
45	50.017	-50.017	-149.17	159.17
46	61.626	-61.626	-159.17	171.50
47	70.291	-70.291	-171.50	185.55
48	76.018	-76.018	-185.55	200.76
49	78.777	-78.777	-200.76	216.51
50	78.576	-78.576	-216.51	232.23
51	75.387	-75.387	-232.23	247.31
52	69.222	-69.222	-247.31	261.15
53	61.818	-61.818	-261.15	273.51
54	54.283	-54.283	-273.51	284.37
55	46.598	-46.598	-284.37	293.69
56	38.770	-38.770	-293.69	301.44
57	30.777	-30.777	-301.44	307.60
58	22.629	-22.629	-307.60	312.13
59	14.943	-14.943	-312.13	315.11
60	7.9327	-7.9327	-315.11	316.70
61	1.5271	-1.5271	-316.70	317.01
62	-4.2707	4.2707	-317.01	316.15
63	-9.5201	9.5201	-316.15	314.25
64	-21.488	21.488	-314.25	309.95
65	-33.472	33.472	-309.95	303.26
66	-44.639	44.639	-303.26	294.33
67	-54.215	54.215	-294.33	283.49
68	-62.282	62.282	-283.49	271.03
69	-68.971	68.971	-271.03	257.23
70	-74.344	74.344	-257.23	242.37
71	-78.515	78.515	-242.37	226.66
72	-81.546	81.546	-226.66	210.35
73	-83.537	83.537	-210.35	193.65
74	-84.539	84.539	-193.65	176.74
75	-84.639	84.639	-176.74	159.81
76	-83.886	83.886	-159.81	143.03
77	-82.346	82.346	-143.03	126.56
78	-80.049	80.049	-126.56	110.55
79	-77.056	77.056	-110.55	95.144
80	-73.385	73.385	-95.144	80.467
81	-69.087	69.087	-80.467	66.649
82	-64.171	64.171	-66.649	53.815
83	-58.677	58.677	-53.815	42.080
84	-52.611	52.611	-42.080	31.557
85	-45.998	45.998	-31.557	22.357
86	-38.830	38.830	-22.357	14.591
87	-31.131	31.131	-14.591	8.3651
88	-22.889	22.889	-8.3651	3.7874
89	-14.122	14.122	-3.7874	0.96297
90	-4.8148	4.8148	-0.96297	1.48243E-13

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
|                                   Exe Time :29 July 2019      17:58:39                                                        |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   150.11     -6.74572E-04  2.06573E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
|                                   Exe Time :29 July 2019      17:58:39                                                        |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   166.70     -1.26417E-03 -1.26417E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 9438.     REMNOR=0.1674E-17 RATIO =0.1144     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1144     RATIOR= 0.000
           MAX UN= 26.23     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           MIN UN=-.7462E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 818.6     REMNOR=0.1485E-17 RATIO =0.3370E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.3370E-01 RATIOR= 0.000
           MAX UN= 15.00     IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.1117     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 148.7     REMNOR=0.3178E-17 RATIO =0.1436E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1436E-01 RATIOR= 0.000
           MAX UN= 5.091     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.3747     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
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           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM= 7.609     REMNOR=0.2714E-17 RATIO =0.3249E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.3249E-02 RATIOR= 0.000
           MAX UN= 1.459     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.9362     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7209E+06 RIMNOR=0.4718E+07
           RENORM=0.1831E-03 REMNOR=0.2175E-17 RATIO =0.1594E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 161.0     RMMAX = 317.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7209E+06 RDR   =0.4718E+07
           RATIOT=0.1594E-04 RATIOR= 0.000
           MAX UN=0.1353E-01 IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.7065E-08 IEQ=    99 NODE     50 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      17:58:39                                                  |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2765966E-02  -1.5202175E-03
    2   3.2461924E-02  -1.5201879E-03
    3   3.2157898E-02  -1.5200556E-03
    4   3.1853915E-02  -1.5197323E-03
    5   3.1550024E-02  -1.5191211E-03
    6   3.1246292E-02  -1.5181214E-03
    7   3.0942808E-02  -1.5166325E-03
    8   3.0639679E-02  -1.5145448E-03
    9   3.0337038E-02  -1.5117375E-03
   10   3.0035041E-02  -1.5080791E-03
   11   2.9733872E-02  -1.5034280E-03
   12   2.9433746E-02  -1.4976310E-03
   13   2.9134907E-02  -1.4905238E-03
   14   2.8837636E-02  -1.4819305E-03
   15   2.8542247E-02  -1.4716644E-03
   16   2.8249095E-02  -1.4595274E-03
   17   2.7958335E-02  -1.4489039E-03
   18   2.7669207E-02  -1.4431678E-03
   19   2.7380757E-02  -1.4420887E-03
   20   2.7092077E-02  -1.4454250E-03
   21   2.6802310E-02  -1.4529239E-03
   22   2.6510648E-02  -1.4643215E-03
   23   2.6216340E-02  -1.4793428E-03
   24   2.5918690E-02  -1.4977017E-03
   25   2.5617058E-02  -1.5191016E-03
   26   2.5310867E-02  -1.5432350E-03
   27   2.4999603E-02  -1.5697831E-03
   28   2.4682815E-02  -1.5984163E-03
   29   2.4360121E-02  -1.6287938E-03
   30   2.4031206E-02  -1.6605641E-03
   31   2.3695827E-02  -1.6933640E-03
   32   2.3353817E-02  -1.7268200E-03
   33   2.3005081E-02  -1.7605476E-03
   34   2.2649606E-02  -1.7941514E-03
   35   2.2287458E-02  -1.8272247E-03
   36   2.1918781E-02  -1.8593501E-03
   37   2.1543809E-02  -1.8900990E-03
   38   2.1162862E-02  -1.9190317E-03
   39   2.0776348E-02  -1.9456973E-03
   40   2.0384767E-02  -1.9696344E-03
   41   1.9988709E-02  -1.9903708E-03
   42   1.9588857E-02  -2.0074234E-03
   43   1.9185711E-02  -2.0247985E-03
   44   1.8778651E-02  -2.0464926E-03
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    45   1.8366862E-02  -2.0719894E-03
    46   1.7949637E-02  -2.1007613E-03
    47   1.7526375E-02  -2.1322700E-03
    48   1.7096583E-02  -2.1659664E-03
    49   1.6659882E-02  -2.2012900E-03
    50   1.6215999E-02  -2.2376701E-03
    51   1.5764783E-02  -2.2745241E-03
    52   1.5306193E-02  -2.3112592E-03
    53   1.4840323E-02  -2.3472704E-03
    54   1.4367374E-02  -2.3819427E-03
    55   1.3887677E-02  -2.4146501E-03
    56   1.3401687E-02  -2.4447555E-03
    57   1.2909991E-02  -2.4716109E-03
    58   1.2413304E-02  -2.4945572E-03
    59   1.1912473E-02  -2.5129244E-03
    60   1.1408484E-02  -2.5260315E-03
    61   1.0902458E-02  -2.5331863E-03
    62   1.0395654E-02  -2.5336860E-03
    63   9.8894745E-03  -2.5268166E-03
    64   9.3854665E-03  -2.5118535E-03
    65   8.8852793E-03  -2.4886974E-03
    66   8.3904912E-03  -2.4579876E-03
    67   7.9025310E-03  -2.4205780E-03
    68   7.4226665E-03  -2.3774288E-03
    69   6.9519031E-03  -2.3294852E-03
    70   6.4911293E-03  -2.2776892E-03
    71   6.0410223E-03  -2.2229701E-03
    72   5.6020749E-03  -2.1662461E-03
    73   5.1745971E-03  -2.1084239E-03
    74   4.7587188E-03  -2.0503989E-03
    75   4.3543921E-03  -1.9930550E-03
    76   3.9613932E-03  -1.9372651E-03
    77   3.5793258E-03  -1.8838797E-03
    78   3.2076295E-03  -1.8336718E-03
    79   2.8456025E-03  -1.7872819E-03
    80   2.4924291E-03  -1.7452069E-03
    81   2.1472083E-03  -1.7078039E-03
    82   1.8089815E-03  -1.6752924E-03
    83   1.4767596E-03  -1.6477573E-03
    84   1.1495500E-03  -1.6251506E-03
    85   8.2636659E-04  -1.6072931E-03
    86   5.0632035E-04  -1.5938786E-03
    87   1.8854806E-04  -1.5844703E-03
    88  -1.2769729E-04  -1.5785047E-03
    89  -4.4303732E-04  -1.5752915E-03
    90  -7.5794303E-04  -1.5740153E-03
    91  -1.0727109E-03  -1.5737517E-03
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                               |
 |                                  Exe Time :29 July 2019      17:58:39                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.244     -3.2766E-02   25.20       12.44       35.20       19.81          UL-RL   8488.       0.000       0.000       1.000       1.000
12.44       0.000       0.000     Strato1_2_8_L_0
   2 D   1.845     -3.2462E-02   19.29       9.226       29.29       16.85          UL-RL   8488.      -0.2000      0.000       1.000       1.000
9.226       0.000       0.000     Strato1_2_8_L_0
   3 D   1.863     -3.2158E-02   21.54       9.315       31.54       17.18          UL-RL   8488.      -0.4000      0.000       1.000       1.000
9.315       0.000       0.000     Strato1_2_8_L_0
   4 D   2.223     -3.1854E-02   28.56       11.12       38.56       19.55          UL-RL   8488.      -0.6000      0.000       1.000       1.000
11.12       0.000       0.000     Strato1_2_8_L_0
   5 D   2.016     -3.1550E-02   31.02       10.08       41.02       20.57          UL-RL   8488.      -0.8000      0.000       1.000       1.000
10.08       0.000       0.000     Strato1_2_8_L_0
   6 D   2.224     -3.1246E-02   36.58       11.12       46.58       23.00          ACTIVE  0.000      -1.000       0.000       1.000       1.000
11.12       0.000       0.000     Strato1_2_8_L_0
   7 D   2.393     -3.0943E-02   39.36       11.96       49.36       24.16          ACTIVE  0.000      -1.200       0.000       1.000       1.000
11.96       0.000       0.000     Strato1_2_8_L_0
   8 D   2.697     -3.0640E-02   44.36       13.49       54.36       26.33          ACTIVE  0.000      -1.400       0.000       1.000       1.000
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13.49	0.000	0.000	Strato1_2_8_L_0									
9 D	2.838	-3.0337E-02	46.68	14.19	56.68	27.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000
14.19	0.000	0.000	Strato1_2_8_L_0									
10 D	3.129	-3.0035E-02	51.47	15.65	61.47	29.34	ACTIVE	0.000	-1.800	0.000	1.000	1.000
15.65	0.000	0.000	Strato1_2_8_L_0									
11 D	3.323	-2.9734E-02	54.65	16.61	64.65	30.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000
16.61	0.000	0.000	Strato1_2_8_L_0									
12 D	3.602	-2.9434E-02	59.24	18.01	69.24	32.63	ACTIVE	0.000	-2.200	0.000	1.000	1.000
18.01	0.000	0.000	Strato1_2_8_L_0									
13 D	3.800	-2.9135E-02	62.51	19.00	72.51	33.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000
19.00	0.000	0.000	Strato1_2_8_L_0									
14 D	4.071	-2.8838E-02	66.96	20.36	76.96	35.86	ACTIVE	0.000	-2.600	0.000	1.000	1.000
20.36	0.000	0.000	Strato1_2_8_L_0									
15 D	4.274	-2.8542E-02	70.29	21.37	80.29	37.25	ACTIVE	0.000	-2.800	0.000	1.000	1.000
21.37	0.000	0.000	Strato1_2_8_L_0									
16 D	4.516	-2.8249E-02	74.27	22.58	84.27	39.37	ACTIVE	0.000	-3.000	0.000	1.000	1.000
22.58	0.000	0.000	Strato1_2_8_L_0									
17 D	4.723	-2.7958E-02	77.68	23.61	87.68	41.17	ACTIVE	0.000	-3.200	0.000	1.000	1.000
23.61	0.000	0.000	Strato1_2_8_L_0									
18 D	4.985	-2.7669E-02	81.99	24.92	91.99	43.45	ACTIVE	0.000	-3.400	0.000	1.000	1.000
24.92	0.000	0.000	Strato1_2_8_L_0									
19 D	5.194	-2.7381E-02	85.43	25.97	95.43	45.28	ACTIVE	0.000	-3.600	0.000	1.000	1.000
25.97	0.000	0.000	Strato1_2_8_L_0									
20 D	5.452	-2.7092E-02	89.67	27.26	99.67	47.53	ACTIVE	0.000	-3.800	0.000	1.000	1.000
27.26	0.000	0.000	Strato1_2_8_L_0									
21 D	5.663	-2.6802E-02	93.15	28.32	103.1	49.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000
28.32	0.000	0.000	Strato1_2_8_L_0									
22 D	5.919	-2.6511E-02	97.35	29.59	107.3	51.59	ACTIVE	0.000	-4.200	0.000	1.000	1.000
29.59	0.000	0.000	Strato1_2_8_L_0									
23 D	6.131	-2.6216E-02	100.8	30.66	110.8	53.45	ACTIVE	0.000	-4.400	0.000	1.000	1.000
30.66	0.000	0.000	Strato1_2_8_L_0									
24 D	6.369	-2.5919E-02	104.8	31.85	114.8	55.52	ACTIVE	0.000	-4.600	0.000	1.000	1.000
31.85	0.000	0.000	Strato1_2_8_L_0									
25 D	6.584	-2.5617E-02	108.3	32.92	118.3	57.39	ACTIVE	0.000	-4.800	0.000	1.000	1.000
32.92	0.000	0.000	Strato1_2_8_L_0									
26 D	6.836	-2.5311E-02	112.4	34.18	122.4	59.59	ACTIVE	0.000	-5.000	0.000	1.000	1.000
34.18	0.000	0.000	Strato1_2_8_L_0									
27 D	7.051	-2.5000E-02	116.0	35.26	126.0	61.47	ACTIVE	0.000	-5.200	0.000	1.000	1.000
35.26	0.000	0.000	Strato1_2_8_L_0									
28 D	7.301	-2.4683E-02	120.1	36.51	130.1	63.65	ACTIVE	0.000	-5.400	0.000	1.000	1.000
36.51	0.000	0.000	Strato1_2_8_L_0									
29 D	7.518	-2.4360E-02	123.7	37.59	133.7	65.53	ACTIVE	0.000	-5.600	0.000	1.000	1.000
37.59	0.000	0.000	Strato1_2_8_L_0									
30 D	7.767	-2.4031E-02	127.7	38.83	137.7	67.70	ACTIVE	0.000	-5.800	0.000	1.000	1.000
38.83	0.000	0.000	Strato1_2_8_L_0									
31 D	7.972	-2.3696E-02	131.1	39.86	141.1	69.50	ACTIVE	0.000	-6.000	0.000	1.000	1.000
39.86	0.000	0.000	Strato1_2_8_L_0									
32 D	8.220	-2.3354E-02	135.2	41.10	145.2	71.66	ACTIVE	0.000	-6.200	0.000	1.000	1.000
41.10	0.000	0.000	Strato1_2_8_L_0									
33 D	8.439	-2.3005E-02	138.8	42.19	148.8	73.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000
42.19	0.000	0.000	Strato1_2_8_L_0									
34 D	8.685	-2.2650E-02	142.9	43.43	152.9	75.71	ACTIVE	0.000	-6.600	0.000	1.000	1.000
43.43	0.000	0.000	Strato1_2_8_L_0									
35 D	8.905	-2.2287E-02	146.5	44.52	156.5	77.62	ACTIVE	0.000	-6.800	0.000	1.000	1.000
44.52	0.000	0.000	Strato1_2_8_L_0									
36 D	9.150	-2.1919E-02	150.5	45.75	160.5	79.76	ACTIVE	0.000	-7.000	0.000	1.000	1.000
45.75	0.000	0.000	Strato1_2_8_L_0									
37 D	9.370	-2.1544E-02	154.1	46.85	164.1	81.68	ACTIVE	0.000	-7.200	0.000	1.000	1.000
46.85	0.000	0.000	Strato1_2_8_L_0									
38 D	9.615	-2.1163E-02	158.1	48.07	168.1	83.81	ACTIVE	0.000	-7.400	0.000	1.000	1.000
48.07	0.000	0.000	Strato1_2_8_L_0									
39 D	9.826	-2.0776E-02	161.6	49.13	171.6	85.65	ACTIVE	0.000	-7.600	0.000	1.000	1.000
49.13	0.000	0.000	Strato1_2_8_L_0									
40 D	10.07	-2.0385E-02	165.6	50.35	175.6	87.78	ACTIVE	0.000	-7.800	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
41 D	10.29	-1.9989E-02	169.3	51.45	179.3	89.71	ACTIVE	0.000	-8.000	0.000	1.000	1.000
51.45	0.000	0.000	Strato1_2_8_L_0									
42 D	10.53	-1.9589E-02	173.3	52.67	183.3	91.83	ACTIVE	0.000	-8.200	0.000	1.000	1.000
52.67	0.000	0.000	Strato1_2_8_L_0									
43 D	10.76	-1.9186E-02	176.9	53.78	186.9	93.76	ACTIVE	0.000	-8.400	0.000	1.000	1.000
53.78	0.000	0.000	Strato1_2_8_L_0									
44 D	11.00	-1.8779E-02	180.9	54.99	190.9	95.88	ACTIVE	0.000	-8.600	0.000	1.000	1.000
54.99	0.000	0.000	Strato1_2_8_L_0									
45 D	11.22	-1.8367E-02	184.5	56.10	194.5	97.81	ACTIVE	0.000	-8.800	0.000	1.000	1.000
56.10	0.000	0.000	Strato1_2_8_L_0									
46 D	11.46	-1.7950E-02	188.4	57.28	198.4	99.86	ACTIVE	0.000	-9.000	0.000	1.000	1.000
57.28	0.000	0.000	Strato1_2_8_L_0									
47 D	11.68	-1.7526E-02	192.1	58.39	202.1	101.8	ACTIVE	0.000	-9.200	0.000	1.000	1.000
58.39	0.000	0.000	Strato1_2_8_L_0									
48 D	11.92	-1.7097E-02	196.0	59.60	206.0	103.9	ACTIVE	0.000	-9.400	0.000	1.000	1.000
59.60	0.000	0.000	Strato1_2_8_L_0									
49 D	12.14	-1.6660E-02	199.7	60.71	209.7	105.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000
60.71	0.000	0.000	Strato1_2_8_L_0									
50 D	12.38	-1.6216E-02	203.7	61.92	213.7	107.9	ACTIVE	0.000	-9.800	0.000	1.000	1.000
61.92	0.000	0.000	Strato1_2_8_L_0									

51 D	12.61	-1.5765E-02	207.3	63.03	217.3	109.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000	63.03	0.000	0.000	Strato1_2_8_L_0
52 D	12.85	-1.5306E-02	211.3	64.24	221.3	112.0	ACTIVE	0.000	-10.20	0.000	1.000	1.000	64.24	0.000	0.000	Strato1_2_8_L_0
53 D	13.07	-1.4840E-02	215.0	65.35	225.0	113.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000	65.35	0.000	0.000	Strato1_2_8_L_0
54 D	13.30	-1.4367E-02	218.8	66.52	228.8	116.0	ACTIVE	0.000	-10.60	0.000	1.000	1.000	66.52	0.000	0.000	Strato1_2_8_L_0
55 D	13.53	-1.3888E-02	222.5	67.64	232.5	117.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000	67.64	0.000	0.000	Strato1_2_8_L_0
56 D	13.77	-1.3402E-02	226.5	68.84	236.5	120.0	ACTIVE	0.000	-11.00	0.000	1.000	1.000	68.84	0.000	0.000	Strato1_2_8_L_0
57 D	13.99	-1.2910E-02	230.1	69.96	240.1	122.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000	69.96	0.000	0.000	Strato1_2_8_L_0
58 D	14.23	-1.2413E-02	234.1	71.16	244.1	124.1	ACTIVE	0.000	-11.40	0.000	1.000	1.000	71.16	0.000	0.000	Strato1_2_8_L_0
59 D	14.46	-1.1912E-02	237.8	72.28	247.8	126.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000	72.28	0.000	0.000	Strato1_2_8_L_0
60 D	14.70	-1.1408E-02	241.7	73.48	251.7	128.1	ACTIVE	0.000	-11.80	0.000	1.000	1.000	73.48	0.000	0.000	Strato1_2_8_L_0
61 D	14.91	-1.0902E-02	245.3	74.57	255.3	130.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000	74.57	0.000	0.000	Strato1_2_8_L_0
62 D	15.15	-1.0396E-02	249.2	75.77	259.2	132.1	ACTIVE	0.000	-12.20	0.000	1.000	1.000	75.77	0.000	0.000	Strato1_2_8_L_0
63 D	15.38	-9.8895E-03	252.9	76.89	262.9	134.1	ACTIVE	0.000	-12.40	0.000	1.000	1.000	76.89	0.000	0.000	Strato1_2_8_L_0
64 D	8.194	-9.3855E-03	256.9	40.97	266.9	128.4	ACTIVE	0.000	-12.60	0.000	1.000	1.000	40.97	0.000	0.000	Strato2_3095_82743_L_0
65 D	8.377	-8.8853E-03	260.8	41.89	270.8	130.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000	41.89	0.000	0.000	Strato2_3095_82743_L_0
66 D	8.571	-8.3905E-03	264.9	42.86	274.9	132.4	ACTIVE	0.000	-13.00	0.000	1.000	1.000	42.86	0.000	0.000	Strato2_3095_82743_L_0
67 D	8.755	-7.9025E-03	268.8	43.77	278.8	134.4	ACTIVE	0.000	-13.20	0.000	1.000	1.000	43.77	0.000	0.000	Strato2_3095_82743_L_0
68 D	8.948	-7.4227E-03	272.9	44.74	282.9	136.5	ACTIVE	0.000	-13.40	0.000	1.000	1.000	44.74	0.000	0.000	Strato2_3095_82743_L_0
69 D	9.128	-6.9519E-03	276.7	45.64	286.7	138.4	ACTIVE	0.000	-13.60	0.000	1.000	1.000	45.64	0.000	0.000	Strato2_3095_82743_L_0
70 D	9.322	-6.4911E-03	280.8	46.61	290.8	140.4	ACTIVE	0.000	-13.80	0.000	1.000	1.000	46.61	0.000	0.000	Strato2_3095_82743_L_0
71 D	9.505	-6.0410E-03	284.7	47.53	294.7	142.4	ACTIVE	0.000	-14.00	0.000	1.000	1.000	47.53	0.000	0.000	Strato2_3095_82743_L_0
72 D	9.699	-5.6021E-03	288.9	48.49	298.9	144.4	ACTIVE	0.000	-14.20	0.000	1.000	1.000	48.49	0.000	0.000	Strato2_3095_82743_L_0
73 D	9.882	-5.1746E-03	292.8	49.41	302.8	146.4	ACTIVE	0.000	-14.40	0.000	1.000	1.000	49.41	0.000	0.000	Strato2_3095_82743_L_0
74 D	10.08	-4.7587E-03	296.9	50.38	306.9	148.4	ACTIVE	0.000	-14.60	0.000	1.000	1.000	50.38	0.000	0.000	Strato2_3095_82743_L_0
75 D	10.26	-4.3544E-03	300.8	51.30	310.8	150.4	ACTIVE	0.000	-14.80	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_3095_82743_L_0
76 D	10.45	-3.9614E-03	304.8	52.24	314.8	152.4	ACTIVE	0.000	-15.00	0.000	1.000	1.000	52.24	0.000	0.000	Strato2_3095_82743_L_0
77 D	12.09	-3.5793E-03	308.7	60.46	318.7	154.4	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000	60.46	0.000	0.000	Strato2_3095_82743_L_0
78 D	14.28	-3.2076E-03	312.9	71.40	322.9	156.4	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000	71.40	0.000	0.000	Strato2_3095_82743_L_0
79 D	16.40	-2.8456E-03	316.8	82.02	326.8	158.4	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000	82.02	0.000	0.000	Strato2_3095_82743_L_0
80 D	18.50	-2.4924E-03	320.9	92.52	330.9	160.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	92.52	0.000	0.000	Strato2_3095_82743_L_0
81 D	20.55	-2.1472E-03	324.8	102.7	334.8	162.4	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	102.7	0.000	0.000	Strato2_3095_82743_L_0
82 D	22.57	-1.8090E-03	328.9	112.9	338.9	164.4	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	112.9	0.000	0.000	Strato2_3095_82743_L_0
83 D	24.56	-1.4768E-03	332.8	122.8	342.8	166.4	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	122.8	0.000	0.000	Strato2_3095_82743_L_0
84 D	26.52	-1.1495E-03	336.8	132.6	346.8	168.4	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	132.6	0.000	0.000	Strato2_3095_82743_L_0
85 D	28.46	-8.2637E-04	340.8	142.3	350.8	170.4	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	142.3	0.000	0.000	Strato2_3095_82743_L_0
86 D	30.40	-5.0632E-04	344.9	152.0	354.9	172.4	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	152.0	0.000	0.000	Strato2_3095_82743_L_0
87 D	32.32	-1.8855E-04	348.8	161.6	358.8	174.4	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	161.6	0.000	0.000	Strato2_3095_82743_L_0
88 D	34.24	1.2770E-04	352.9	171.2	362.9	176.4	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	171.2	0.000	0.000	Strato2_3095_82743_L_0
89 D	36.09	4.4304E-04	356.8	180.4	366.8	180.4	V-C	8004.	-17.60	0.000	1.000	1.000	180.4	0.000	0.000	Strato2_3095_82743_L_0
90 D	37.30	7.5794E-04	360.9	186.5	370.9	186.5	V-C	8004.	-17.80	0.000	1.000	1.000	186.5	0.000	0.000	Strato2_3095_82743_L_0
91 D	19.15	1.0727E-03	364.8	191.5	374.8	191.5	V-C	8004.	-18.00	0.000	1.000	1.000	191.5	0.000	0.000	Strato2_3095_82743_L_0

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+------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*        |
|                                                                                                                  |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                 |
|                                  Exe Time :29 July 2019      17:58:39                                            |
+------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      6.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 D 19.40 9.3855E-03 0.000 96.99 239.4 120.1 PASSIVE 0.000 -12.60 0.000 1.000 1.000
96.99 0.000 0.000 Strato2_3095_82743_L_0
65 D 24.10 8.8853E-03 4.000 120.5 243.4 121.7 PASSIVE 0.000 -12.80 0.000 1.000 1.000
120.5 0.000 0.000 Strato2_3095_82743_L_0
66 D 28.80 8.3905E-03 8.000 144.0 247.4 144.0 PASSIVE 0.000 -13.00 0.000 1.000 1.000
144.0 0.000 0.000 Strato2_3095_82743_L_0
67 D 28.86 7.9025E-03 12.00 144.3 251.4 144.3 V-C 7230. -13.20 0.000 1.000 1.000
144.3 0.000 0.000 Strato2_3095_82743_L_0
68 D 28.85 7.4227E-03 16.00 144.2 255.4 144.2 V-C 7230. -13.40 0.000 1.000 1.000
144.2 0.000 0.000 Strato2_3095_82743_L_0
69 D 28.82 6.9519E-03 20.00 144.1 259.4 144.1 V-C 7230. -13.60 0.000 1.000 1.000
144.1 0.000 0.000 Strato2_3095_82743_L_0
70 D 28.78 6.4911E-03 24.00 143.9 263.4 143.9 V-C 7230. -13.80 0.000 1.000 1.000
143.9 0.000 0.000 Strato2_3095_82743_L_0
71 D 28.73 6.0410E-03 28.00 143.6 267.4 143.6 V-C 7230. -14.00 0.000 1.000 1.000
143.6 0.000 0.000 Strato2_3095_82743_L_0
72 D 28.67 5.6021E-03 32.00 143.4 271.4 143.4 V-C 7230. -14.20 0.000 1.000 1.000
143.4 0.000 0.000 Strato2_3095_82743_L_0

73 D	28.62	5.1746E-03	36.00	143.1	275.4	143.1	V-C	7230.	-14.40	0.000	1.000	1.000	143.1
0.000	0.000	Strato2_3095_82743_L_0											
74 D	28.57	4.7587E-03	40.00	142.9	279.4	142.9	V-C	7230.	-14.60	0.000	1.000	1.000	142.9
0.000	0.000	Strato2_3095_82743_L_0											
75 D	28.53	4.3544E-03	44.00	142.7	283.4	142.7	V-C	7230.	-14.80	0.000	1.000	1.000	142.7
0.000	0.000	Strato2_3095_82743_L_0											
76 D	28.00	3.9614E-03	48.00	140.0	287.4	143.7	UL-RL	2.1690E+04	-15.00	0.000	1.000	1.000	140.0
0.000	0.000	Strato2_3095_82743_L_0											
77 D	27.11	3.5793E-03	52.00	135.5	291.4	145.7	UL-RL	2.1690E+04	-15.20	0.000	1.000	1.000	135.5
0.000	0.000	Strato2_3095_82743_L_0											
78 D	26.24	3.2076E-03	56.00	131.2	295.4	147.7	UL-RL	2.1690E+04	-15.40	0.000	1.000	1.000	131.2
0.000	0.000	Strato2_3095_82743_L_0											
79 D	25.39	2.8456E-03	60.00	126.9	299.4	149.7	UL-RL	2.1690E+04	-15.60	0.000	1.000	1.000	126.9
0.000	0.000	Strato2_3095_82743_L_0											
80 D	24.56	2.4924E-03	64.00	122.8	303.4	151.7	UL-RL	2.1690E+04	-15.80	0.000	1.000	1.000	122.8
0.000	0.000	Strato2_3095_82743_L_0											
81 D	23.74	2.1472E-03	68.00	118.7	307.4	153.7	UL-RL	2.1690E+04	-16.00	0.000	1.000	1.000	118.7
0.000	0.000	Strato2_3095_82743_L_0											
82 D	22.95	1.8090E-03	72.00	114.7	311.4	155.7	UL-RL	2.1690E+04	-16.20	0.000	1.000	1.000	114.7
0.000	0.000	Strato2_3095_82743_L_0											
83 D	22.17	1.4768E-03	76.00	110.8	315.4	157.7	UL-RL	2.1690E+04	-16.40	0.000	1.000	1.000	110.8
0.000	0.000	Strato2_3095_82743_L_0											
84 D	21.39	1.1495E-03	80.00	107.0	319.4	159.7	UL-RL	2.1690E+04	-16.60	0.000	1.000	1.000	107.0
0.000	0.000	Strato2_3095_82743_L_0											
85 D	20.63	8.2637E-04	84.00	103.1	323.4	161.7	UL-RL	2.1690E+04	-16.80	0.000	1.000	1.000	103.1
0.000	0.000	Strato2_3095_82743_L_0											
86 D	19.87	5.0632E-04	88.00	99.36	327.4	163.7	UL-RL	2.1690E+04	-17.00	0.000	1.000	1.000	99.36
0.000	0.000	Strato2_3095_82743_L_0											
87 D	19.12	1.8855E-04	92.00	95.59	331.4	165.7	UL-RL	2.1690E+04	-17.20	0.000	1.000	1.000	95.59
0.000	0.000	Strato2_3095_82743_L_0											
88 D	18.36	-1.2770E-04	96.00	91.82	335.4	167.7	UL-RL	2.1690E+04	-17.40	0.000	1.000	1.000	91.82
0.000	0.000	Strato2_3095_82743_L_0											
89 D	17.61	-4.4304E-04	100.0	88.05	339.4	169.7	UL-RL	2.1690E+04	-17.60	0.000	1.000	1.000	88.05
0.000	0.000	Strato2_3095_82743_L_0											
90 D	16.85	-7.5794E-04	104.0	84.27	343.4	171.7	UL-RL	2.1690E+04	-17.80	0.000	1.000	1.000	84.27
0.000	0.000	Strato2_3095_82743_L_0											
91 D	8.047	-1.0727E-03	108.0	80.47	347.4	173.7	UL-RL	2.1690E+04	-18.00	0.000	1.000	1.000	80.47
0.000	0.000	Strato2_3095_82743_L_0											

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.2436     -1.2436     1.94502E-10 0.24872
    2  3.0889     -3.0889    -0.24872     0.86650
    3  4.9520     -4.9520    -0.86650      1.8569
    4  7.1750     -7.1750     -1.8569      3.2919
    5  9.1912     -9.1912     -3.2919      5.1301
    6  11.415     -11.415     -5.1301      7.4131
    7  13.808     -13.808     -7.4131      10.175
    8  16.505     -16.505     -10.175      13.476
    9  19.343     -19.343     -13.476      17.344
   10  22.472     -22.472     -17.344      21.839
   11  25.795     -25.795     -21.839      26.998
   12  29.397     -29.397     -26.998      32.877
   13  33.197     -33.197     -32.877      39.517
   14  37.268     -37.268     -39.517      46.970
   15  41.542     -41.542     -46.970      55.279
   16 -105.30      105.30     -55.279      34.219
   17 -100.57      100.57     -34.219      14.104
   18 -95.590      95.590     -14.104     -5.0137
   19 -90.396      90.396      5.0137     -23.093
   20 -84.943      84.943      23.093     -40.082
   21 -79.280      79.280      40.082     -55.938
   22 -73.362      73.362      55.938     -70.610
   23 -67.230      67.230      70.610     -84.056
   24 -60.861      60.861      84.056     -96.228
   25 -54.277      54.277      96.228     -107.08
   26 -47.441      47.441      107.08     -116.57
   27 -40.390      40.390      116.57     -124.65
   28 -33.088      33.088      124.65     -131.27
   29 -25.570      25.570      131.27     -136.38
   30 -17.804      17.804      136.38     -139.94
   31 -9.8313      9.8313      139.94     -141.91
   32 -1.6111      1.6111      141.91     -142.23
   33  6.8277     -6.8277      142.23     -140.87
   34  15.513     -15.513      140.87     -137.76
   35  24.418     -24.418      137.76     -132.88
   36  33.568     -33.568      132.88     -126.17
   37  42.938     -42.938      126.17     -117.58
   38  52.552     -52.552      117.58     -107.07
   39  62.378     -62.378      107.07     -94.592
   40  72.448     -72.448      94.592     -80.102
   41  82.739     -82.739      80.102     -63.554
   42 -96.343      96.343      63.554     -82.823
   43 -85.587      85.587      82.823     -99.940
   44 -74.589      74.589      99.940     -114.86
   45 -63.368      63.368      114.86     -127.53
   46 -51.913      51.913      127.53     -137.91
   47 -40.236      40.236      137.91     -145.96
   48 -28.316      28.316      145.96     -151.62
   49 -16.174      16.174      151.62     -154.86
   50 -3.7911      3.7911      154.86     -155.62
   51  8.8151     -8.8151      155.62     -153.85
   52  21.662     -21.662      153.85     -149.52
   53  34.733     -34.733      149.52     -142.58
   54  48.037     -48.037      142.58     -132.97
   55  61.565     -61.565      132.97     -120.66
   56  75.334     -75.334      120.66     -105.59
   57  89.326     -89.326      105.59     -87.723
   58  103.56     -103.56      87.723     -67.012
   59  118.01     -118.01      67.012     -43.409
   60  132.71     -132.71      43.409     -16.867
   61  147.62     -147.62      16.867      12.658
   62  162.78     -162.78     -12.658      45.213
   63  178.16     -178.16     -45.213      80.844
```

64	166.95	-166.95	-80.844	114.23
65	151.23	-151.23	-114.23	144.48
66	130.98	-130.98	-144.48	170.68
67	110.88	-110.88	-170.68	192.85
68	90.982	-90.982	-192.85	211.05
69	71.291	-71.291	-211.05	225.31
70	51.837	-51.837	-225.31	235.67
71	32.616	-32.616	-235.67	242.20
72	13.642	-13.642	-242.20	244.93
73	-5.0971	5.0971	-244.93	243.91
74	-23.595	23.595	-243.91	239.19
75	-41.866	41.866	-239.19	230.81
76	-59.416	59.416	-230.81	218.93
77	-74.431	74.431	-218.93	204.05
78	-86.388	86.388	-204.05	186.77
79	-95.371	95.371	-186.77	167.69
80	-101.42	101.42	-167.69	147.41
81	-104.62	104.62	-147.41	126.48
82	-104.99	104.99	-126.48	105.49
83	-102.60	102.60	-105.49	84.965
84	-97.473	97.473	-84.965	65.469
85	-89.640	89.640	-65.469	47.541
86	-79.108	79.108	-47.541	31.720
87	-65.908	65.908	-31.720	18.538
88	-50.033	50.033	-18.538	8.5313
89	-31.554	31.554	-8.5313	2.2206
90	-11.103	11.103	-2.2206	-6.38875E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454
Exe Time :29 July 2019 17:58:39

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit		
ANCHOR	1	156.69	-6.74572E-04	2.31564E-02	0.0000	2633.3	0.0000	0.0000	ELASTIC	ORIGINAL YOUNG MODULUS

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454
Exe Time :29 July 2019 17:58:39

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 5

Tirante2_1507 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit		
ANCHOR	1	196.31	-1.26417E-03	5.76121E-03	0.0000	4214.1	0.0000	0.0000	ELASTIC	ORIGINAL YOUNG MODULUS

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      17:58:39                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       6
        3           CONVERGENCE :YES                       4
        4           CONVERGENCE :YES                       6
        5           CONVERGENCE :YES                       5
        6           CONVERGENCE :YES                       5


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.34 [sec]
```

1.5. Design Assumption : A1+M1+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1
 * Time:lunedì 29 luglio 2019 17:58:39
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
```

```
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 6 0 40 0 15.2 45
STRIP LeftWall_32 2 6 0 40 0 11.54 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage4_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage5_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
SURCHARGE 10 0 0 -9
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage6_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
```

```
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -12.6
SURCHARGE 0 0 0 0
WATER -26 0 -18 0 0
ENDSTEP
```

1.6. Design Assumption : A1+M1+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      17:58:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A1M1R1_3484
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >



                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                 Exe Time :29 July 2019      17:58:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    6
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................  102
NO. OF LONG NAMES (LASTNAME) ..................   24
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      17:58:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S    102

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0
   30 : STRIP LeftWall_32 2 6 0 40 0 15.2 45
   31 : STRIP LeftWall_32 2 6 0 40 0 11.54 30
   32 : STEP Stage1_31
   33 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   37 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   38 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   44 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   47 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   48 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   49 : SETWALL LeftWall_32
   50 : GEOM 0 0
   51 : WATER -26 0 -18 0 0
   52 : ADD WallElement_33
   53 : ENDSTEP
   54 : STEP Stage2_158
   55 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   58 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   59 : SETWALL LeftWall_32
   60 : GEOM 0 -3.5
   61 : WATER -26 0 -18 0 0
   62 : ENDSTEP
   63 : STEP Stage3_617
   64 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   67 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   68 : SETWALL LeftWall_32
   69 : GEOM 0 -3.5
   70 : WATER -26 0 -18 0 0
   71 : ADD Tirante1_429
   72 : ENDSTEP
```

```
 73 : STEP Stage4_714
 74 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 75 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 76 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 77 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 78 : SETWALL LeftWall_32
 79 : GEOM 0 -8.7
 80 : WATER -26 0 -18 0 0
 81 : ENDSTEP
 82 : STEP Stage5_1682
 83 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 86 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 87 : SETWALL LeftWall_32
 88 : GEOM 0 -8.7
 89 : SURCHARGE 10 0 0 -9
 90 : WATER -26 0 -18 0 0
 91 : ADD Tirante2_1507
 92 : ENDSTEP
 93 : STEP Stage6_1779
 94 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 95 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 96 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 97 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 98 : SETWALL LeftWall_32
 99 : GEOM 0 -12.6
100 : SURCHARGE 0 0 0 0
101 : WATER -26 0 -18 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/ 2	0.0000	-0.20000	/ 3	0.0000	-0.40000	/ 4	0.0000	-0.60000	/
5	0.0000	-0.80000	/ 6	0.0000	-1.0000	/ 7	0.0000	-1.2000	/ 8	0.0000	-1.4000	/
9	0.0000	-1.6000	/ 10	0.0000	-1.8000	/ 11	0.0000	-2.0000	/ 12	0.0000	-2.2000	/
13	0.0000	-2.4000	/ 14	0.0000	-2.6000	/ 15	0.0000	-2.8000	/ 16	0.0000	-3.0000	/
17	0.0000	-3.2000	/ 18	0.0000	-3.4000	/ 19	0.0000	-3.6000	/ 20	0.0000	-3.8000	/
21	0.0000	-4.0000	/ 22	0.0000	-4.2000	/ 23	0.0000	-4.4000	/ 24	0.0000	-4.6000	/
25	0.0000	-4.8000	/ 26	0.0000	-5.0000	/ 27	0.0000	-5.2000	/ 28	0.0000	-5.4000	/
29	0.0000	-5.6000	/ 30	0.0000	-5.8000	/ 31	0.0000	-6.0000	/ 32	0.0000	-6.2000	/
33	0.0000	-6.4000	/ 34	0.0000	-6.6000	/ 35	0.0000	-6.8000	/ 36	0.0000	-7.0000	/
37	0.0000	-7.2000	/ 38	0.0000	-7.4000	/ 39	0.0000	-7.6000	/ 40	0.0000	-7.8000	/
41	0.0000	-8.0000	/ 42	0.0000	-8.2000	/ 43	0.0000	-8.4000	/ 44	0.0000	-8.6000	/
45	0.0000	-8.8000	/ 46	0.0000	-9.0000	/ 47	0.0000	-9.2000	/ 48	0.0000	-9.4000	/
49	0.0000	-9.6000	/ 50	0.0000	-9.8000	/ 51	0.0000	-10.000	/ 52	0.0000	-10.200	/
53	0.0000	-10.400	/ 54	0.0000	-10.600	/ 55	0.0000	-10.800	/ 56	0.0000	-11.000	/
57	0.0000	-11.200	/ 58	0.0000	-11.400	/ 59	0.0000	-11.600	/ 60	0.0000	-11.800	/
61	0.0000	-12.000	/ 62	0.0000	-12.200	/ 63	0.0000	-12.400	/ 64	0.0000	-12.600	/
65	0.0000	-12.800	/ 66	0.0000	-13.000	/ 67	0.0000	-13.200	/ 68	0.0000	-13.400	/
69	0.0000	-13.600	/ 70	0.0000	-13.800	/ 71	0.0000	-14.000	/ 72	0.0000	-14.200	/
73	0.0000	-14.400	/ 74	0.0000	-14.600	/ 75	0.0000	-14.800	/ 76	0.0000	-15.000	/
77	0.0000	-15.200	/ 78	0.0000	-15.400	/ 79	0.0000	-15.600	/ 80	0.0000	-15.800	/
81	0.0000	-16.000	/ 82	0.0000	-16.200	/ 83	0.0000	-16.400	/ 84	0.0000	-16.600	/
85	0.0000	-16.800	/ 86	0.0000	-17.000	/ 87	0.0000	-17.200	/ 88	0.0000	-17.400	/
89	0.0000	-17.600	/ 90	0.0000	-17.800	/ 91	0.0000	-18.000	/			


```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
```


```
 ELEMENT GROUP NO.  1

0_L                           :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000      0.000     0.000     0.000     1.000
    2    2    1   0.2000      0.000     0.000     0.000     1.000
```

3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000

88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                   Exe Time :29 July 2019      17:58:40                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000

36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.280300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1    0.000     0.000    0.6848     0.000     0.000
    2    2    3    1    0.000     0.000    0.6848     0.000     0.000
    3    3    4    1    0.000     0.000    0.6848     0.000     0.000
    4    4    5    1    0.000     0.000    0.6848     0.000     0.000
    5    5    6    1    0.000     0.000    0.6848     0.000     0.000
    6    6    7    1    0.000     0.000    0.6848     0.000     0.000
    7    7    8    1    0.000     0.000    0.6848     0.000     0.000
    8    8    9    1    0.000     0.000    0.6848     0.000     0.000
    9    9   10    1    0.000     0.000    0.6848     0.000     0.000
   10   10   11    1    0.000     0.000    0.6848     0.000     0.000
   11   11   12    1    0.000     0.000    0.6848     0.000     0.000
   12   12   13    1    0.000     0.000    0.6848     0.000     0.000
   13   13   14    1    0.000     0.000    0.6848     0.000     0.000
   14   14   15    1    0.000     0.000    0.6848     0.000     0.000
   15   15   16    1    0.000     0.000    0.6848     0.000     0.000
   16   16   17    1    0.000     0.000    0.6848     0.000     0.000
   17   17   18    1    0.000     0.000    0.6848     0.000     0.000
   18   18   19    1    0.000     0.000    0.6848     0.000     0.000
   19   19   20    1    0.000     0.000    0.6848     0.000     0.000
   20   20   21    1    0.000     0.000    0.6848     0.000     0.000
   21   21   22    1    0.000     0.000    0.6848     0.000     0.000
   22   22   23    1    0.000     0.000    0.6848     0.000     0.000
   23   23   24    1    0.000     0.000    0.6848     0.000     0.000
   24   24   25    1    0.000     0.000    0.6848     0.000     0.000
   25   25   26    1    0.000     0.000    0.6848     0.000     0.000
   26   26   27    1    0.000     0.000    0.6848     0.000     0.000
   27   27   28    1    0.000     0.000    0.6848     0.000     0.000
   28   28   29    1    0.000     0.000    0.6848     0.000     0.000
   29   29   30    1    0.000     0.000    0.6848     0.000     0.000
   30   30   31    1    0.000     0.000    0.6848     0.000     0.000
   31   31   32    1    0.000     0.000    0.6848     0.000     0.000
   32   32   33    1    0.000     0.000    0.6848     0.000     0.000
   33   33   34    1    0.000     0.000    0.6848     0.000     0.000
   34   34   35    1    0.000     0.000    0.6848     0.000     0.000
```

35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
------------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   16    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                   :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
```

```
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   42    1   0.2106E-04 166.7     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      17:58:40                                              |
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NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   12
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      17:58:40                                              |
+-------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       7.00000    0.0000E+00
```

```
LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   7.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   11
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       7.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   12
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       7.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    12 VALUES



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                          0.000         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                         -3.500         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
```

Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000

DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	10.00	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-9.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-12.60	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    6


 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.........                   0.000000000000000E+000
 Q-F ............                   15.2000000000000
 BETA ...........                   45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.........                   0.000000000000000E+000
 Q-F ............                   11.5400000000000
 BETA ...........                   30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4412

 NO. OF D.P.W  FOR THIS AREA      10847
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
```

```
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1   Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1   Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                  Exe Time :29 July 2019      17:58:40                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P   1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                  Exe Time :29 July 2019      17:58:40                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4147E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4147E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4147E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4147E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4147E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4147E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4147E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
```

8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.4147E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.4147E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4147E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4147E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4147E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4147E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4147E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4147E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4147E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4147E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4147E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4147E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000

98.69	0.000	0.000	Strato1_2_8_L_0										
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000	
100.7	0.000	0.000	Strato1_2_8_L_0										
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000	
102.7	0.000	0.000	Strato1_2_8_L_0										
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000	
104.7	0.000	0.000	Strato1_2_8_L_0										
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000	
106.7	0.000	0.000	Strato1_2_8_L_0										
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000	
108.8	0.000	0.000	Strato1_2_8_L_0										
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato1_2_8_L_0										
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000	
112.8	0.000	0.000	Strato1_2_8_L_0										
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000	
114.8	0.000	0.000	Strato1_2_8_L_0										
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000	
116.8	0.000	0.000	Strato1_2_8_L_0										
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato1_2_8_L_0										
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000	
120.8	0.000	0.000	Strato1_2_8_L_0										
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000	
122.9	0.000	0.000	Strato1_2_8_L_0										
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000	
124.9	0.000	0.000	Strato1_2_8_L_0										
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	4.0020E+04	-12.60	0.000	1.000	1.000	
119.7	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	4.0020E+04	-12.80	0.000	1.000	1.000	
121.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	4.0020E+04	-13.00	0.000	1.000	1.000	
123.7	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	4.0020E+04	-13.20	0.000	1.000	1.000	
125.7	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	4.0020E+04	-13.40	0.000	1.000	1.000	
127.7	0.000	0.000	Strato2_3095_82743_L_0										
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	4.0020E+04	-13.60	0.000	1.000	1.000	
129.7	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	4.0020E+04	-13.80	0.000	1.000	1.000	
131.7	0.000	0.000	Strato2_3095_82743_L_0										
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	4.0020E+04	-14.00	0.000	1.000	1.000	
133.7	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	4.0020E+04	-14.20	0.000	1.000	1.000	
135.7	0.000	0.000	Strato2_3095_82743_L_0										
73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	4.0020E+04	-14.40	0.000	1.000	1.000	
137.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	4.0020E+04	-14.60	0.000	1.000	1.000	
139.7	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	4.0020E+04	-14.80	0.000	1.000	1.000	
141.7	0.000	0.000	Strato2_3095_82743_L_0										
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	4.0020E+04	-15.00	0.000	1.000	1.000	
143.7	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	4.0020E+04	-15.20	0.000	1.000	1.000	
145.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	4.0020E+04	-15.40	0.000	1.000	1.000	
147.7	0.000	0.000	Strato2_3095_82743_L_0										
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	4.0020E+04	-15.60	0.000	1.000	1.000	
149.7	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	4.0020E+04	-15.80	0.000	1.000	1.000	
151.7	0.000	0.000	Strato2_3095_82743_L_0										
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	4.0020E+04	-16.00	0.000	1.000	1.000	
153.7	0.000	0.000	Strato2_3095_82743_L_0										
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	4.0020E+04	-16.20	0.000	1.000	1.000	
155.7	0.000	0.000	Strato2_3095_82743_L_0										
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	4.0020E+04	-16.40	0.000	1.000	1.000	
157.7	0.000	0.000	Strato2_3095_82743_L_0										
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	4.0020E+04	-16.60	0.000	1.000	1.000	
159.7	0.000	0.000	Strato2_3095_82743_L_0										
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	4.0020E+04	-16.80	0.000	1.000	1.000	
161.7	0.000	0.000	Strato2_3095_82743_L_0										
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	4.0020E+04	-17.00	0.000	1.000	1.000	
163.7	0.000	0.000	Strato2_3095_82743_L_0										
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	4.0020E+04	-17.20	0.000	1.000	1.000	
165.7	0.000	0.000	Strato2_3095_82743_L_0										
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	4.0020E+04	-17.40	0.000	1.000	1.000	
167.7	0.000	0.000	Strato2_3095_82743_L_0										
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	4.0020E+04	-17.60	0.000	1.000	1.000	
169.7	0.000	0.000	Strato2_3095_82743_L_0										
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	4.0020E+04	-17.80	0.000	1.000	1.000	
171.7	0.000	0.000	Strato2_3095_82743_L_0										
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	4.0020E+04	-18.00	0.000	1.000	1.000	
173.7	0.000	0.000	Strato2_3095_82743_L_0										

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                  Exe Time :29 July 2019      17:58:40                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C   9817.       0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C   9817.     -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C   9817.     -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C   9817.     -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C   9817.     -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C   9817.      -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C   9817.      -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C   9817.      -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C   9817.      -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C   9817.      -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C   9817.      -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C   9817.      -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C   9817.      -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C   9817.      -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C   9817.      -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C   9817.      -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C   9817.      -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C   9817.      -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C   9817.      -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C   9817.      -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C   9817.      -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C   9817.      -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C   9817.      -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C   9817.      -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C   9817.      -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C   9817.      -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C   9817.      -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C   9817.      -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C   9817.      -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C   9817.      -5.800       0.000       1.000       1.000
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58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	9817.	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	9817.	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	9817.	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	9817.	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	9817.	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	9817.	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	9817.	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	9817.	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	9817.	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	9817.	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	9817.	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	9817.	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	9817.	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	2.1690E+04	-12.60	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	2.1690E+04	-12.80	0.000	1.000	1.000
121.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	2.1690E+04	-13.00	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	2.1690E+04	-13.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	2.1690E+04	-13.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	2.1690E+04	-13.60	0.000	1.000	1.000
129.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	2.1690E+04	-13.80	0.000	1.000	1.000
131.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	2.1690E+04	-14.00	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	2.1690E+04	-14.20	0.000	1.000	1.000
135.7	0.000	0.000	Strato2_3095_82743_L_0									

73	D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	2.1690E+04	-14.40	0.000	1.000	1.000	137.7
0.000	0.000	Strato2_3095_82743_L_0												
74	D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	2.1690E+04	-14.60	0.000	1.000	1.000	139.7
0.000	0.000	Strato2_3095_82743_L_0												
75	D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	2.1690E+04	-14.80	0.000	1.000	1.000	141.7
0.000	0.000	Strato2_3095_82743_L_0												
76	D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	2.1690E+04	-15.00	0.000	1.000	1.000	143.7
0.000	0.000	Strato2_3095_82743_L_0												
77	D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	2.1690E+04	-15.20	0.000	1.000	1.000	145.7
0.000	0.000	Strato2_3095_82743_L_0												
78	D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	2.1690E+04	-15.40	0.000	1.000	1.000	147.7
0.000	0.000	Strato2_3095_82743_L_0												
79	D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	2.1690E+04	-15.60	0.000	1.000	1.000	149.7
0.000	0.000	Strato2_3095_82743_L_0												
80	D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	2.1690E+04	-15.80	0.000	1.000	1.000	151.7
0.000	0.000	Strato2_3095_82743_L_0												
81	D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	2.1690E+04	-16.00	0.000	1.000	1.000	153.7
0.000	0.000	Strato2_3095_82743_L_0												
82	D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	2.1690E+04	-16.20	0.000	1.000	1.000	155.7
0.000	0.000	Strato2_3095_82743_L_0												
83	D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	2.1690E+04	-16.40	0.000	1.000	1.000	157.7
0.000	0.000	Strato2_3095_82743_L_0												
84	D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	2.1690E+04	-16.60	0.000	1.000	1.000	159.7
0.000	0.000	Strato2_3095_82743_L_0												
85	D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	2.1690E+04	-16.80	0.000	1.000	1.000	161.7
0.000	0.000	Strato2_3095_82743_L_0												
86	D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	2.1690E+04	-17.00	0.000	1.000	1.000	163.7
0.000	0.000	Strato2_3095_82743_L_0												
87	D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	2.1690E+04	-17.20	0.000	1.000	1.000	165.7
0.000	0.000	Strato2_3095_82743_L_0												
88	D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	2.1690E+04	-17.40	0.000	1.000	1.000	167.7
0.000	0.000	Strato2_3095_82743_L_0												
89	D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	2.1690E+04	-17.60	0.000	1.000	1.000	169.7
0.000	0.000	Strato2_3095_82743_L_0												
90	D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	2.1690E+04	-17.80	0.000	1.000	1.000	171.7
0.000	0.000	Strato2_3095_82743_L_0												
91	D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	2.1690E+04	-18.00	0.000	1.000	1.000	173.7
0.000	0.000	Strato2_3095_82743_L_0												

```
 +-------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
 |                                                                                                                   |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
 |                                  Exe Time :29 July 2019      17:58:40                                             |
 +-------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
     9  0.0000      0.0000      0.0000      0.0000
    10  0.0000      0.0000      0.0000      0.0000
    11  0.0000      0.0000      0.0000      0.0000
    12  0.0000      0.0000      0.0000      0.0000
    13  0.0000      0.0000      0.0000      0.0000
    14  0.0000      0.0000      0.0000      0.0000
    15  0.0000      0.0000      0.0000      0.0000
    16  0.0000      0.0000      0.0000      0.0000
    17  0.0000      0.0000      0.0000      0.0000
    18  0.0000      0.0000      0.0000      0.0000
    19  0.0000      0.0000      0.0000      0.0000
    20  0.0000      0.0000      0.0000      0.0000
    21  0.0000      0.0000      0.0000      0.0000
    22  0.0000      0.0000      0.0000      0.0000
    23  0.0000      0.0000      0.0000      0.0000
    24  0.0000      0.0000      0.0000      0.0000
```

25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000
90	0.0000	0.0000	0.0000	0.0000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM= 1630.     REMNOR= 0.000     RATIO =0.1484     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.1484     RATIOR= 0.000
           MAX UN= 8.803     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM= 108.2     REMNOR=0.1544E-19 RATIO =0.3823E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.3823E-01 RATIOR= 0.000
           MAX UN= 4.135     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2458E-09 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM= 125.4     REMNOR=0.5496E-19 RATIO =0.4115E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.4115E-01 RATIOR= 0.000
           MAX UN= 6.246     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.1934E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM= 13.44     REMNOR=0.9717E-19 RATIO =0.1347E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.1347E-01 RATIOR= 0.000
           MAX UN= 2.739     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2459E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM=0.7417E-01 REMNOR=0.6809E-19 RATIO =0.1001E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.1001E-02 RATIOR= 0.000
           MAX UN=0.2553     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.1732E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7405E+05 RIMNOR= 0.000
           RENORM=0.1555E-16 REMNOR=0.5203E-19 RATIO =0.1449E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.20     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7405E+05 RDR   = 0.000
           RATIOT=0.1449E-10 RATIOR= 0.000
           MAX UN=0.1498E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1576E-08 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                Exe Time :29 July 2019      17:58:40                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   7.9940724E-03  -1.1861381E-03
    2   7.7568460E-03  -1.1861188E-03
    3   7.5196294E-03  -1.1860318E-03
    4   7.2824419E-03  -1.1858157E-03
    5   7.0453167E-03  -1.1853952E-03
    6   6.8083034E-03  -1.1846813E-03
    7   6.5714705E-03  -1.1835732E-03
    8   6.3349079E-03  -1.1819581E-03
    9   6.0987293E-03  -1.1797121E-03
   10   5.8630741E-03  -1.1767007E-03
   11   5.6281097E-03  -1.1727791E-03
   12   5.3940335E-03  -1.1677912E-03
   13   5.1610754E-03  -1.1615696E-03
   14   4.9294999E-03  -1.1539354E-03
   15   4.6996081E-03  -1.1446987E-03
   16   4.4717406E-03  -1.1336582E-03
   17   4.2462792E-03  -1.1206022E-03
   18   4.0236489E-03  -1.1053083E-03
   19   3.8043206E-03  -1.0875431E-03
   20   3.5888103E-03  -1.0670982E-03
   21   3.3776673E-03  -1.0438637E-03
   22   3.1714492E-03  -1.0178643E-03
   23   2.9706953E-03  -9.8925927E-04
   24   2.7759036E-03  -9.5829642E-04
   25   2.5875170E-03  -9.2524367E-04
   26   2.4059276E-03  -8.9036861E-04
   27   2.2314733E-03  -8.5393788E-04
   28   2.0644385E-03  -8.1621758E-04
   29   1.9050553E-03  -7.7747388E-04
   30   1.7535002E-03  -7.3797257E-04
```

31	1.6098989E-03	-6.9798067E-04
32	1.4743228E-03	-6.5776625E-04
33	1.3467893E-03	-6.1759912E-04
34	1.2272626E-03	-5.7774029E-04
35	1.1156574E-03	-5.3842588E-04
36	1.0118428E-03	-4.9986178E-04
37	9.1565077E-04	-4.6222683E-04
38	8.2687990E-04	-4.2567400E-04
39	7.4530041E-04	-3.9033255E-04
40	6.7065929E-04	-3.5631047E-04
41	6.0268279E-04	-3.2369560E-04
42	5.4108139E-04	-2.9255738E-04
43	4.8555651E-04	-2.6295026E-04
44	4.3579695E-04	-2.3491187E-04
45	3.9148581E-04	-2.0846652E-04
46	3.5230330E-04	-1.8362682E-04
47	3.1792796E-04	-1.6039399E-04
48	2.8803925E-04	-1.3875795E-04
49	2.6231983E-04	-1.1869803E-04
50	2.4045711E-04	-1.0018405E-04
51	2.2214567E-04	-8.3178275E-05
52	2.0708808E-04	-6.7636127E-05
53	1.9499679E-04	-5.3508043E-05
54	1.8559422E-04	-4.0739597E-05
55	1.7861413E-04	-2.9273419E-05
56	1.7380201E-04	-1.9049880E-05
57	1.7091543E-04	-1.0007565E-05
58	1.6972440E-04	-2.0839548E-06
59	1.7001147E-04	4.7839491E-06
60	1.7157180E-04	1.0659098E-05
61	1.7421309E-04	1.5603923E-05
62	1.7775543E-04	1.9679667E-05
63	1.8203100E-04	2.2946053E-05
64	1.8688377E-04	2.5461300E-05
65	1.9217033E-04	2.7298801E-05
66	1.9776391E-04	2.8545491E-05
67	2.0355460E-04	2.9283206E-05
68	2.0944806E-04	2.9588470E-05
69	2.1536560E-04	2.9532398E-05
70	2.2124129E-04	2.9180328E-05
71	2.2702198E-04	2.8591917E-05
72	2.3266592E-04	2.7821417E-05
73	2.3814167E-04	2.6917787E-05
74	2.4342708E-04	2.5924833E-05
75	2.4850823E-04	2.4881374E-05
76	2.5337853E-04	2.3821429E-05
77	2.5803765E-04	2.2774195E-05
78	2.6249069E-04	2.1764246E-05
79	2.6674720E-04	2.0811938E-05
80	2.7082040E-04	1.9933595E-05
81	2.7472639E-04	1.9141678E-05
82	2.7848342E-04	1.8444958E-05
83	2.8211107E-04	1.7848648E-05
84	2.8562969E-04	1.7354542E-05
85	2.8905976E-04	1.6960916E-05
86	2.9242059E-04	1.6662693E-05
87	2.9573064E-04	1.6451594E-05
88	2.9900628E-04	1.6316276E-05
89	3.0226125E-04	1.6242350E-05
90	3.0550615E-04	1.6212411E-05
91	3.0874778E-04	1.6206049E-05

```
+----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                          |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                         |
|                                   Exe Time :29 July 2019      17:58:40                                   |
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```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.8129	-7.9941E-03	26.74	8.129	26.74	14.17	ACTIVE	0.000	0.000	0.000	1.000	1.000	8.129	0.000	0.000	Strato1_2_8_L_0
2	D	1.223	-7.7568E-03	20.12	6.116	20.12	10.66	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	6.116	0.000	0.000	Strato1_2_8_L_0
3	D	1.369	-7.5196E-03	22.52	6.845	22.52	11.93	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	6.845	0.000	0.000	Strato1_2_8_L_0
4	D	1.800	-7.2824E-03	29.60	8.999	29.60	15.69	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	8.999	0.000	0.000	Strato1_2_8_L_0
5	D	1.951	-7.0453E-03	32.10	9.757	32.10	17.01	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.757	0.000	0.000	Strato1_2_8_L_0
6	D	2.290	-6.8083E-03	37.67	11.45	37.67	19.96	ACTIVE	0.000	-1.000	0.000	1.000	1.000	11.45	0.000	0.000	Strato1_2_8_L_0
7	D	2.460	-6.5715E-03	40.46	12.30	40.46	21.45	ACTIVE	0.000	-1.200	0.000	1.000	1.000	12.30	0.000	0.000	Strato1_2_8_L_0
8	D	2.765	-6.3349E-03	45.48	13.82	45.48	24.10	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.82	0.000	0.000	Strato1_2_8_L_0
9	D	2.900	-6.0987E-03	47.70	14.50	47.70	25.28	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.50	0.000	0.000	Strato1_2_8_L_0
10	D	3.192	-5.8631E-03	52.50	15.96	52.50	27.83	ACTIVE	0.000	-1.800	0.000	1.000	1.000	15.96	0.000	0.000	Strato1_2_8_L_0
11	D	3.387	-5.6281E-03	55.71	16.93	55.71	29.52	ACTIVE	0.000	-2.000	0.000	1.000	1.000	16.93	0.000	0.000	Strato1_2_8_L_0
12	D	3.666	-5.3940E-03	60.30	18.33	60.30	31.96	ACTIVE	0.000	-2.200	0.000	1.000	1.000	18.33	0.000	0.000	Strato1_2_8_L_0
13	D	3.866	-5.1611E-03	63.58	19.33	63.58	33.70	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.33	0.000	0.000	Strato1_2_8_L_0
14	D	4.137	-4.9295E-03	68.04	20.68	68.04	36.06	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.68	0.000	0.000	Strato1_2_8_L_0
15	D	4.340	-4.6996E-03	71.38	21.70	71.38	37.83	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.70	0.000	0.000	Strato1_2_8_L_0
16	D	4.579	-4.4717E-03	75.31	22.90	75.31	39.92	ACTIVE	0.000	-3.000	0.000	1.000	1.000	22.90	0.000	0.000	Strato1_2_8_L_0
17	D	4.787	-4.2463E-03	78.73	23.93	78.73	41.73	ACTIVE	0.000	-3.200	0.000	1.000	1.000	23.93	0.000	0.000	Strato1_2_8_L_0
18	D	5.049	-4.0236E-03	83.04	25.24	83.04	44.01	ACTIVE	0.000	-3.400	0.000	1.000	1.000	25.24	0.000	0.000	Strato1_2_8_L_0
19	D	5.259	-3.8043E-03	86.49	26.29	86.49	45.84	ACTIVE	0.000	-3.600	0.000	1.000	1.000	26.29	0.000	0.000	Strato1_2_8_L_0
20	D	5.517	-3.5888E-03	90.74	27.59	90.74	48.09	ACTIVE	0.000	-3.800	0.000	1.000	1.000	27.59	0.000	0.000	Strato1_2_8_L_0
21	D	5.729	-3.3777E-03	94.22	28.64	94.22	49.94	ACTIVE	0.000	-4.000	0.000	1.000	1.000	28.64	0.000	0.000	Strato1_2_8_L_0
22	D	5.984	-3.1714E-03	98.43	29.92	98.43	52.17	ACTIVE	0.000	-4.200	0.000	1.000	1.000	29.92	0.000	0.000	Strato1_2_8_L_0
23	D	6.197	-2.9707E-03	101.9	30.99	101.9	54.02	ACTIVE	0.000	-4.400	0.000	1.000	1.000	30.99	0.000	0.000	Strato1_2_8_L_0
24	D	6.433	-2.7759E-03	105.8	32.17	105.8	56.08	ACTIVE	0.000	-4.600	0.000	1.000	1.000	32.17	0.000	0.000	Strato1_2_8_L_0
25	D	6.648	-2.5875E-03	109.3	33.24	109.3	57.95	ACTIVE	0.000	-4.800	0.000	1.000	1.000	33.24	0.000	0.000	Strato1_2_8_L_0
26	D	6.900	-2.4059E-03	113.5	34.50	113.5	60.15	ACTIVE	0.000	-5.000	0.000	1.000	1.000	34.50	0.000	0.000	Strato1_2_8_L_0
27	D	7.116	-2.2315E-03	117.0	35.58	117.0	62.03	ACTIVE	0.000	-5.200	0.000	1.000	1.000	35.58	0.000	0.000	Strato1_2_8_L_0
28	D	7.367	-2.0644E-03	121.2	36.83	121.2	64.21	ACTIVE	0.000	-5.400	0.000	1.000	1.000	36.83	0.000	0.000	Strato1_2_8_L_0
29	D	7.583	-1.9051E-03	124.7	37.92	124.7	66.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000	37.92	0.000	0.000	Strato1_2_8_L_0
30	D	7.832	-1.7535E-03	128.8	39.16	128.8	68.27	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

39.16	0.000	0.000	Strato1_2_8_L_0									
31 D	8.037	-1.6099E-03	132.2	40.18	132.2	70.06	ACTIVE	0.000	-6.000	0.000	1.000	1.000
40.18	0.000	0.000	Strato1_2_8_L_0									
32 D	8.285	-1.4743E-03	136.3	41.42	136.3	72.22	ACTIVE	0.000	-6.200	0.000	1.000	1.000
41.42	0.000	0.000	Strato1_2_8_L_0									
33 D	8.946	-1.3468E-03	139.9	44.73	139.9	74.12	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
44.73	0.000	0.000	Strato1_2_8_L_0									
34 D	9.898	-1.2273E-03	143.9	49.49	143.9	76.28	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
49.49	0.000	0.000	Strato1_2_8_L_0									
35 D	10.77	-1.1157E-03	147.5	53.84	147.5	78.19	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
53.84	0.000	0.000	Strato1_2_8_L_0									
36 D	11.65	-1.0118E-03	151.6	58.25	151.6	80.33	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
58.25	0.000	0.000	Strato1_2_8_L_0									
37 D	12.45	-9.1565E-04	155.2	62.26	155.2	82.25	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
62.26	0.000	0.000	Strato1_2_8_L_0									
38 D	13.27	-8.2688E-04	159.2	66.33	159.2	84.38	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
66.33	0.000	0.000	Strato1_2_8_L_0									
39 D	13.99	-7.4530E-04	162.7	69.95	162.7	86.21	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
69.95	0.000	0.000	Strato1_2_8_L_0									
40 D	14.74	-6.7066E-04	166.7	73.71	166.7	88.34	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
73.71	0.000	0.000	Strato1_2_8_L_0									
41 D	15.42	-6.0268E-04	170.3	77.12	170.3	90.27	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
77.12	0.000	0.000	Strato1_2_8_L_0									
42 D	16.12	-5.4108E-04	174.3	80.59	174.3	92.40	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
80.59	0.000	0.000	Strato1_2_8_L_0									
43 D	16.75	-4.8556E-04	178.0	83.73	178.0	94.33	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
83.73	0.000	0.000	Strato1_2_8_L_0									
44 D	17.39	-4.3580E-04	182.0	86.93	182.0	96.45	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
86.93	0.000	0.000	Strato1_2_8_L_0									
45 D	17.97	-3.9149E-04	185.6	89.83	185.6	98.38	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
89.83	0.000	0.000	Strato1_2_8_L_0									
46 D	18.55	-3.5230E-04	189.5	92.73	189.5	100.4	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
92.73	0.000	0.000	Strato1_2_8_L_0									
47 D	19.08	-3.1793E-04	193.1	95.42	193.1	102.4	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
95.42	0.000	0.000	Strato1_2_8_L_0									
48 D	19.64	-2.8804E-04	197.1	98.18	197.1	104.5	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
98.18	0.000	0.000	Strato1_2_8_L_0									
49 D	20.14	-2.6232E-04	200.8	100.7	200.8	106.4	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
50 D	20.65	-2.4046E-04	204.7	103.3	204.7	108.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
103.3	0.000	0.000	Strato1_2_8_L_0									
51 D	21.12	-2.2215E-04	208.4	105.6	208.4	110.5	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
105.6	0.000	0.000	Strato1_2_8_L_0									
52 D	21.61	-2.0709E-04	212.4	108.0	212.4	112.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
108.0	0.000	0.000	Strato1_2_8_L_0									
53 D	22.05	-1.9500E-04	216.0	110.2	216.0	114.5	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
110.2	0.000	0.000	Strato1_2_8_L_0									
54 D	22.50	-1.8559E-04	219.9	112.5	219.9	116.5	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
112.5	0.000	0.000	Strato1_2_8_L_0									
55 D	22.92	-1.7861E-04	223.6	114.6	223.6	118.5	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
114.6	0.000	0.000	Strato1_2_8_L_0									
56 D	23.36	-1.7380E-04	227.5	116.8	227.5	120.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
57 D	23.76	-1.7092E-04	231.2	118.8	231.2	122.5	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
58 D	24.18	-1.6972E-04	235.1	120.9	235.1	124.6	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
120.9	0.000	0.000	Strato1_2_8_L_0									
59 D	24.57	-1.7001E-04	238.8	122.9	238.8	126.6	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
60 D	24.99	-1.7157E-04	242.8	124.9	242.8	128.7	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
61 D	25.35	-1.7421E-04	246.4	126.8	246.4	130.6	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
126.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.76	-1.7776E-04	250.3	128.8	250.3	132.7	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
128.8	0.000	0.000	Strato1_2_8_L_0									
63 D	26.13	-1.8203E-04	254.0	130.6	254.0	134.6	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
130.6	0.000	0.000	Strato1_2_8_L_0									
64 D	23.48	-1.8688E-04	257.9	117.4	257.9	129.0	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000
117.4	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.81	-1.9217E-04	261.8	119.0	261.8	130.9	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000
119.0	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.15	-1.9776E-04	266.0	120.8	266.0	133.0	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato2_3095_82743_L_0									
67 D	24.47	-2.0355E-04	269.9	122.4	269.9	134.9	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
122.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.81	-2.0945E-04	274.0	124.1	274.0	137.0	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
124.1	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.12	-2.1537E-04	277.8	125.6	277.8	138.9	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
125.6	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.46	-2.2124E-04	281.9	127.3	281.9	141.0	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
127.3	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.78	-2.2702E-04	285.8	128.9	285.8	142.9	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
128.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.12	-2.3267E-04	289.9	130.6	289.9	145.0	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
130.6	0.000	0.000	Strato2_3095_82743_L_0									

73 D	26.44	-2.3814E-04	293.8	132.2	293.8	146.9	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
132.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.79	-2.4343E-04	298.0	133.9	298.0	149.0	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.12	-2.4851E-04	301.9	135.6	301.9	150.9	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
135.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.46	-2.5338E-04	305.9	137.3	305.9	152.9	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
137.3	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.79	-2.5804E-04	309.8	139.0	309.8	154.9	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
139.0	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.15	-2.6249E-04	313.9	140.8	313.9	157.0	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.49	-2.6675E-04	317.8	142.4	317.8	158.9	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.85	-2.7082E-04	321.9	144.2	321.9	161.0	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.2	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.19	-2.7473E-04	325.9	146.0	325.9	162.9	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
146.0	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.56	-2.7848E-04	330.0	147.8	330.0	165.0	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
147.8	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.90	-2.8211E-04	333.9	149.5	333.9	166.9	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
149.5	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.26	-2.8563E-04	337.9	151.3	337.9	169.0	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.3	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.61	-2.8906E-04	341.8	153.1	341.8	170.9	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
153.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	30.98	-2.9242E-04	345.9	154.9	345.9	173.0	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
154.9	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.33	-2.9573E-04	349.8	156.7	349.8	174.9	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.70	-2.9901E-04	353.9	158.5	353.9	177.0	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.5	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.05	-3.0226E-04	357.9	160.3	357.9	178.9	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.3	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.42	-3.0551E-04	362.0	162.1	362.0	181.0	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.1	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.38	-3.0875E-04	365.8	163.8	365.8	182.9	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
163.8	0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                        |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                   Exe Time :29 July 2019      17:58:40                                                 |
+------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S     R E S U L T S     F O R     G R O U P   N O.    2

0_R                                 :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	1.536	3.8043E-03	1.900	7.678	68.40	36.25	PASSIVE	0.000	-3.600	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
20 D	4.607	3.5888E-03	5.700	23.03	72.20	38.27	PASSIVE	0.000	-3.800	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
21 D	7.678	3.3777E-03	9.500	38.39	76.00	40.28	PASSIVE	0.000	-4.000	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
22 D	10.75	3.1714E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
23 D	11.86	2.9707E-03	17.10	59.31	83.60	59.31	V-C	5049.	-4.400	0.000	1.000	1.000	59.31	0.000	0.000	Strato1_2_8_L_0
24 D	12.07	2.7759E-03	20.90	60.34	87.40	60.34	V-C	5049.	-4.600	0.000	1.000	1.000	60.34	0.000	0.000	Strato1_2_8_L_0
25 D	12.28	2.5875E-03	24.70	61.40	91.20	61.40	V-C	5049.	-4.800	0.000	1.000	1.000	61.40	0.000	0.000	Strato1_2_8_L_0
26 D	12.50	2.4059E-03	28.50	62.50	95.00	62.50	V-C	5049.	-5.000	0.000	1.000	1.000	62.50	0.000	0.000	Strato1_2_8_L_0
27 D	12.73	2.2315E-03	32.30	63.63	98.80	63.63	V-C	5049.	-5.200	0.000	1.000	1.000	63.63	0.000	0.000	Strato1_2_8_L_0
28 D	12.96	2.0644E-03	36.10	64.80	102.6	64.80	V-C	5049.	-5.400	0.000	1.000	1.000	64.80	0.000	0.000	Strato1_2_8_L_0
29 D	13.20	1.9051E-03	39.90	66.01	106.4	66.01	V-C	5049.	-5.600	0.000	1.000	1.000	66.01	0.000	0.000	Strato1_2_8_L_0
30 D	13.45	1.7535E-03	43.70	67.26	110.2	67.26	V-C	5049.	-5.800	0.000	1.000	1.000				

67.26	0.000	0.000	Strato1_2_8_L_0									
31 D	13.71	1.6099E-03	47.50	68.55	114.0	68.55	V-C	5049.	-6.000	0.000	1.000	1.000
68.55	0.000	0.000	Strato1_2_8_L_0									
32 D	13.98	1.4743E-03	51.30	69.88	117.8	69.88	V-C	5049.	-6.200	0.000	1.000	1.000
69.88	0.000	0.000	Strato1_2_8_L_0									
33 D	14.25	1.3468E-03	55.10	71.25	121.6	71.25	V-C	5049.	-6.400	0.000	1.000	1.000
71.25	0.000	0.000	Strato1_2_8_L_0									
34 D	14.53	1.2273E-03	58.90	72.66	125.4	72.66	V-C	5049.	-6.600	0.000	1.000	1.000
72.66	0.000	0.000	Strato1_2_8_L_0									
35 D	14.82	1.1157E-03	62.70	74.11	129.2	74.11	V-C	5049.	-6.800	0.000	1.000	1.000
74.11	0.000	0.000	Strato1_2_8_L_0									
36 D	15.12	1.0118E-03	66.50	75.60	133.0	75.60	V-C	5049.	-7.000	0.000	1.000	1.000
75.60	0.000	0.000	Strato1_2_8_L_0									
37 D	15.43	9.1565E-04	70.30	77.13	136.8	77.13	V-C	5049.	-7.200	0.000	1.000	1.000
77.13	0.000	0.000	Strato1_2_8_L_0									
38 D	15.74	8.2688E-04	74.10	78.69	140.6	78.69	V-C	5049.	-7.400	0.000	1.000	1.000
78.69	0.000	0.000	Strato1_2_8_L_0									
39 D	16.06	7.4530E-04	77.90	80.29	144.4	80.29	V-C	5049.	-7.600	0.000	1.000	1.000
80.29	0.000	0.000	Strato1_2_8_L_0									
40 D	16.39	6.7066E-04	81.70	81.93	148.2	81.93	V-C	5049.	-7.800	0.000	1.000	1.000
81.93	0.000	0.000	Strato1_2_8_L_0									
41 D	16.72	6.0268E-04	85.50	83.60	152.0	83.60	V-C	5049.	-8.000	0.000	1.000	1.000
83.60	0.000	0.000	Strato1_2_8_L_0									
42 D	17.06	5.4108E-04	89.30	85.31	155.8	85.31	V-C	5049.	-8.200	0.000	1.000	1.000
85.31	0.000	0.000	Strato1_2_8_L_0									
43 D	17.41	4.8556E-04	93.10	87.04	159.6	87.04	V-C	5049.	-8.400	0.000	1.000	1.000
87.04	0.000	0.000	Strato1_2_8_L_0									
44 D	17.76	4.3580E-04	96.90	88.80	163.4	88.80	V-C	5049.	-8.600	0.000	1.000	1.000
88.80	0.000	0.000	Strato1_2_8_L_0									
45 D	18.12	3.9149E-04	100.7	90.59	167.2	90.59	V-C	5049.	-8.800	0.000	1.000	1.000
90.59	0.000	0.000	Strato1_2_8_L_0									
46 D	18.44	3.5230E-04	104.5	92.22	171.0	92.50	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000
92.22	0.000	0.000	Strato1_2_8_L_0									
47 D	18.76	3.1793E-04	108.3	93.79	174.8	94.48	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000
93.79	0.000	0.000	Strato1_2_8_L_0									
48 D	19.09	2.8804E-04	112.1	95.43	178.6	96.45	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000
95.43	0.000	0.000	Strato1_2_8_L_0									
49 D	19.42	2.6232E-04	115.9	97.12	182.4	98.44	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000
97.12	0.000	0.000	Strato1_2_8_L_0									
50 D	19.77	2.4046E-04	119.7	98.86	186.2	100.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
98.86	0.000	0.000	Strato1_2_8_L_0									
51 D	20.13	2.2215E-04	123.5	100.7	190.0	102.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.50	2.0709E-04	127.3	102.5	193.8	104.4	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
102.5	0.000	0.000	Strato1_2_8_L_0									
53 D	20.87	1.9500E-04	131.1	104.4	197.6	106.4	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
104.4	0.000	0.000	Strato1_2_8_L_0									
54 D	21.26	1.8559E-04	134.9	106.3	201.4	108.4	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
106.3	0.000	0.000	Strato1_2_8_L_0									
55 D	21.65	1.7861E-04	138.7	108.2	205.2	110.4	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
56 D	22.04	1.7380E-04	142.5	110.2	209.0	112.4	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
110.2	0.000	0.000	Strato1_2_8_L_0									
57 D	22.44	1.7092E-04	146.3	112.2	212.8	114.4	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
112.2	0.000	0.000	Strato1_2_8_L_0									
58 D	22.85	1.6972E-04	150.1	114.2	216.6	116.4	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
114.2	0.000	0.000	Strato1_2_8_L_0									
59 D	23.26	1.7001E-04	153.9	116.3	220.4	118.4	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
116.3	0.000	0.000	Strato1_2_8_L_0									
60 D	23.67	1.7157E-04	157.7	118.4	224.2	120.4	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
61 D	24.09	1.7421E-04	161.5	120.4	228.0	122.4	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
120.4	0.000	0.000	Strato1_2_8_L_0									
62 D	24.51	1.7776E-04	165.3	122.5	231.8	124.4	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
122.5	0.000	0.000	Strato1_2_8_L_0									
63 D	24.93	1.8203E-04	169.1	124.6	235.6	126.4	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
124.6	0.000	0.000	Strato1_2_8_L_0									
64 D	21.60	1.8688E-04	172.9	108.0	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000
108.0	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.04	1.9217E-04	176.9	110.2	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000
110.2	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.48	1.9776E-04	180.9	112.4	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000
112.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.92	2.0355E-04	184.9	114.6	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
114.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.37	2.0945E-04	188.9	116.8	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
116.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.81	2.1537E-04	192.9	119.1	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.25	2.2124E-04	196.9	121.3	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
121.3	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.70	2.2702E-04	200.9	123.5	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
123.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.14	2.3267E-04	204.9	125.7	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato2_3095_82743_L_0									

73 D	25.58	2.3814E-04	208.9	127.9	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
127.9	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.02	2.4343E-04	212.9	130.1	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
130.1	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.46	2.4851E-04	216.9	132.3	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
132.3	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.89	2.5338E-04	220.9	134.5	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
134.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.33	2.5804E-04	224.9	136.6	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
136.6	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.76	2.6249E-04	228.9	138.8	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
138.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.19	2.6675E-04	232.9	141.0	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
141.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.62	2.7082E-04	236.9	143.1	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
143.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.05	2.7473E-04	240.9	145.3	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
145.3	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.48	2.7848E-04	244.9	147.4	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.91	2.8211E-04	248.9	149.5	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.5	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.33	2.8563E-04	252.9	151.7	319.4	159.7	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.76	2.8906E-04	256.9	153.8	323.4	161.7	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.8	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.18	2.9242E-04	260.9	155.9	327.4	163.7	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.9	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.61	2.9573E-04	264.9	158.0	331.4	165.7	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
158.0	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.03	2.9901E-04	268.9	160.2	335.4	167.7	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.2	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.46	3.0226E-04	272.9	162.3	339.4	169.7	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.3	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.88	3.0551E-04	276.9	164.4	343.4	171.7	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.4	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.65	3.0875E-04	280.9	166.5	347.4	173.7	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.5	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 0.81290    -0.81290     1.22977E-11 0.16258
    2  2.0360     -2.0360    -0.16258     0.56979
    3  3.4050     -3.4050    -0.56979      1.2508
    4  5.2048     -5.2048     -1.2508      2.2917
    5  7.1562     -7.1562     -2.2917      3.7230
    6  9.4464     -9.4464     -3.7230      5.6123
    7  11.907     -11.907     -5.6123      7.9936
    8  14.672     -14.672     -7.9936      10.928
    9  17.572     -17.572     -10.928      14.442
   10  20.764     -20.764     -14.442      18.595
   11  24.151     -24.151     -18.595      23.425
   12  27.817     -27.817     -23.425      28.989
   13  31.683     -31.683     -28.989      35.325
   14  35.820     -35.820     -35.325      42.489
   15  40.160     -40.160     -42.489      50.521
   16  44.739     -44.739     -50.521      59.469
   17  49.526     -49.526     -59.469      69.374
   18  54.575     -54.575     -69.374      80.289
   19  58.298     -58.298     -80.289      91.949
   20  59.208     -59.208     -91.949      103.79
   21  57.259     -57.259     -103.79      115.24
   22  52.494     -52.494     -115.24      125.74
   23  46.830     -46.830     -125.74      135.11
   24  41.196     -41.196     -135.11      143.35
   25  35.564     -35.564     -143.35      150.46
   26  29.965     -29.965     -150.46      156.45
   27  24.355     -24.355     -156.45      161.32
   28  18.761     -18.761     -161.32      165.08
   29  13.143     -13.143     -165.08      167.70
   30  7.5229     -7.5229     -167.70      169.21
   31  1.8498     -1.8498     -169.21      169.58
   32 -3.8412      3.8412     -169.58      168.81
   33 -9.1453      9.1453     -168.81      166.98
   34 -13.779      13.779     -166.98      164.23
   35 -17.834      17.834     -164.23      160.66
   36 -21.304      21.304     -160.66      156.40
   37 -24.277      24.277     -156.40      151.54
   38 -26.749      26.749     -151.54      146.19
   39 -28.819      28.819     -146.19      140.43
   40 -30.464      30.464     -140.43      134.34
   41 -31.761      31.761     -134.34      127.98
   42 -32.705      32.705     -127.98      121.44
   43 -33.368      33.368     -121.44      114.77
   44 -33.741      33.741     -114.77      108.02
   45 -33.893      33.893     -108.02      101.24
   46 -33.792      33.792     -101.24      94.483
   47 -33.468      33.468     -94.483      87.790
   48 -32.918      32.918     -87.790      81.206
   49 -32.205      32.205     -81.206      74.765
   50 -31.324      31.324     -74.765      68.500
   51 -30.333      30.333     -68.500      62.433
   52 -29.224      29.224     -62.433      56.589
   53 -28.048      28.048     -56.589      50.979
   54 -26.807      26.807     -50.979      45.618
   55 -25.536      25.536     -45.618      40.511
   56 -24.220      24.220     -40.511      35.667
   57 -22.902      22.902     -35.667      31.086
   58 -21.567      21.567     -31.086      26.773
   59 -20.251      20.251     -26.773      22.723
   60 -18.937      18.937     -22.723      18.935
   61 -17.671      17.671     -18.935      15.401
   62 -16.421      16.421     -15.401      12.117
   63 -15.219      15.219     -12.117      9.0730
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   64 -13.330      13.330     -9.0730      6.4071
   65 -11.557      11.557     -6.4071      4.0957
   66 -9.8825      9.8825     -4.0957      2.1192
   67 -8.3332      8.3332     -2.1192     0.45263
   68 -6.8882      6.8882    -0.45263    -0.92502
   69 -5.5799      5.5799     0.92502     -2.0410
   70 -4.3754      4.3754      2.0410     -2.9161
   71 -3.2946      3.2946      2.9161     -3.5750
   72 -2.3132      2.3132      3.5750     -4.0376
   73 -1.4493      1.4493      4.0376     -4.3275
   74-0.67810     0.67810      4.3275     -4.4631
   75-1.63119E-02 1.63119E-02  4.4631     -4.4664
   76 0.55169    -0.55169      4.4664     -4.3560
   77  1.0189     -1.0189      4.3560     -4.1523
   78  1.4091     -1.4091      4.1523     -3.8705
   79  1.7065     -1.7065      3.8705     -3.5292
   80  1.9340     -1.9340      3.5292     -3.1424
   81  2.0759     -2.0759      3.1424     -2.7272
   82  2.1537     -2.1537      2.7272     -2.2964
   83  2.1515     -2.1515      2.2964     -1.8662
   84  2.0817     -2.0817      1.8662     -1.4498
   85  1.9360     -1.9360      1.4498     -1.0626
   86  1.7338     -1.7338      1.0626    -0.71582
   87  1.4583     -1.4583     0.71582    -0.42416
   88  1.1277     -1.1277     0.42416    -0.19862
   89 0.72514    -0.72514     0.19862    -5.35959E-02
   90 0.26798    -0.26798     5.35959E-02 1.87539E-12


+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      17:58:40                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      17:58:40                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1904E+06 RIMNOR=0.1258E+07
           RENORM= 8234.     REMNOR=0.5203E-19 RATIO =0.2080     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 169.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1904E+06 RDR   =0.1258E+07
           RATIOT=0.2080     RATIOR= 0.000
           MAX UN=0.1498E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
```

```
           MIN UN=-90.74     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1904E+06 RIMNOR=0.1258E+07
           RENORM= 6.363     REMNOR=0.3606E-19 RATIO =0.5781E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 169.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1904E+06 RDR   =0.1258E+07
           RATIOT=0.5781E-02 RATIOR= 0.000
           MAX UN=0.9921E-09 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-1.247     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1904E+06 RIMNOR=0.1258E+07
           RENORM=0.2359     REMNOR=0.2478E-19 RATIO =0.1113E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 169.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1904E+06 RDR   =0.1258E+07
           RATIOT=0.1113E-02 RATIOR= 0.000
           MAX UN=0.1138E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.4066     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1904E+06 RIMNOR=0.1258E+07
           RENORM=0.1081E-16 REMNOR=0.4430E-19 RATIO =0.7534E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 169.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1904E+06 RDR   =0.1258E+07
           RATIOT=0.7534E-11 RATIOR= 0.000
           MAX UN=0.1348E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1152E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      17:58:40                                                  |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   7.0661698E-03  -1.1222831E-03
    2   6.8417162E-03  -1.1222382E-03
    3   6.6172855E-03  -1.1220285E-03
    4   6.3929261E-03  -1.1214991E-03
    5   6.1687188E-03  -1.1204757E-03
    6   5.9447817E-03  -1.1187640E-03
    7   5.7212731E-03  -1.1161534E-03
    8   5.4983955E-03  -1.1124159E-03
    9   5.2763982E-03  -1.1073077E-03
   10   5.0555810E-03  -1.1005705E-03
   11   4.8362967E-03  -1.0919316E-03
   12   4.6189544E-03  -1.0811021E-03
   13   4.4040222E-03  -1.0677774E-03
   14   4.1920311E-03  -1.0516373E-03
   15   3.9835774E-03  -1.0323458E-03
   16   3.7793262E-03  -1.0095535E-03
   17   3.5798696E-03  -9.8505684E-04
   18   3.3852977E-03  -9.6064673E-04
   19   3.1956297E-03  -9.3595449E-04
   20   3.0109594E-03  -9.1060891E-04
   21   2.8314503E-03  -8.8430176E-04
   22   2.6573143E-03  -8.5686035E-04
   23   2.4887835E-03  -8.2825794E-04
   24   2.3260845E-03  -7.9856740E-04
   25   2.1694230E-03  -7.6789309E-04
   26   2.0189852E-03  -7.3635024E-04
   27   1.8749324E-03  -7.0406416E-04
```

28	1.7374000E-03	-6.7117042E-04
29	1.6064957E-03	-6.3781516E-04
30	1.4822950E-03	-6.0415442E-04
31	1.3648432E-03	-5.7035514E-04
32	1.2541503E-03	-5.3659478E-04
33	1.1501901E-03	-5.0306145E-04
34	1.0528981E-03	-4.6994302E-04
35	9.6217429E-04	-4.3741045E-04
36	8.7788543E-04	-4.0561213E-04
37	7.9987193E-04	-3.7467641E-04
38	7.2795008E-04	-3.4471242E-04
39	6.6191607E-04	-3.1581173E-04
40	6.0154974E-04	-2.8805027E-04
41	5.4661625E-04	-2.6148921E-04
42	4.9686988E-04	-2.3617607E-04
43	4.5205917E-04	-2.1214747E-04
44	4.1192385E-04	-1.8942748E-04
45	3.7620019E-04	-1.6803041E-04
46	3.4462311E-04	-1.4796197E-04
47	3.1692701E-04	-1.2921933E-04
48	2.9284776E-04	-1.1179089E-04
49	2.7212448E-04	-9.5656643E-05
50	2.5450077E-04	-8.0789001E-05
51	2.3972667E-04	-6.7154403E-05
52	2.2755929E-04	-5.4713846E-05
53	2.1776427E-04	-4.3424388E-05
54	2.1011592E-04	-3.3239226E-05
55	2.0439823E-04	-2.4109292E-05
56	2.0040524E-04	-1.5983788E-05
57	1.9794124E-04	-8.8104969E-06
58	1.9682110E-04	-2.5363130E-06
59	1.9687034E-04	2.8922602E-06
60	1.9792519E-04	7.5287023E-06
61	1.9983255E-04	1.1426101E-05
62	2.0244984E-04	1.4636578E-05
63	2.0564478E-04	1.7211021E-05
64	2.0929516E-04	1.9199170E-05
65	2.1328930E-04	2.0660141E-05
66	2.1752856E-04	2.1661188E-05
67	2.2192734E-04	2.2265668E-05
68	2.2641211E-04	2.2532863E-05
69	2.3092145E-04	2.2517908E-05
70	2.3540384E-04	2.2271447E-05
71	2.3981767E-04	2.1839699E-05
72	2.4413017E-04	2.1264732E-05
73	2.4831655E-04	2.0584536E-05
74	2.5235924E-04	1.9833136E-05
75	2.5624707E-04	1.9040712E-05
76	2.5997456E-04	1.8233749E-05
77	2.6354112E-04	1.7434960E-05
78	2.6695036E-04	1.6663453E-05
79	2.7020937E-04	1.5935077E-05
80	2.7332812E-04	1.5262576E-05
81	2.7631878E-04	1.4655714E-05
82	2.7919524E-04	1.4121405E-05
83	2.8197246E-04	1.3663822E-05
84	2.8466598E-04	1.3284502E-05
85	2.8729152E-04	1.2982219E-05
86	2.8986388E-04	1.2753126E-05
87	2.9239723E-04	1.2590901E-05
88	2.9490412E-04	1.2486866E-05
89	2.9739512E-04	1.2429992E-05
90	2.9987837E-04	1.2406930E-05
91	3.0235910E-04	1.2402012E-05

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                        |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                       |
|                                   Exe Time :29 July 2019      17:58:40                                 |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.891	-7.0662E-03	26.74	18.91	26.74	18.91	V-C	7276.	0.000	0.000	1.000	1.000	18.91	0.000	0.000	Strato1_2_8_L_0
2 D	3.161	-6.8417E-03	20.12	15.81	20.12	15.81	V-C	7276.	-0.2000	0.000	1.000	1.000	15.81	0.000	0.000	Strato1_2_8_L_0
3 D	3.360	-6.6173E-03	22.52	16.80	22.52	16.80	V-C	7276.	-0.4000	0.000	1.000	1.000	16.80	0.000	0.000	Strato1_2_8_L_0
4 D	3.986	-6.3929E-03	29.60	19.93	29.60	19.93	V-C	7276.	-0.6000	0.000	1.000	1.000	19.93	0.000	0.000	Strato1_2_8_L_0
5 D	4.194	-6.1687E-03	32.10	20.97	32.10	20.97	V-C	7276.	-0.8000	0.000	1.000	1.000	20.97	0.000	0.000	Strato1_2_8_L_0
6 D	4.682	-5.9448E-03	37.67	23.41	37.67	23.41	V-C	7276.	-1.000	0.000	1.000	1.000	23.41	0.000	0.000	Strato1_2_8_L_0
7 D	4.917	-5.7213E-03	40.46	24.58	40.46	24.58	V-C	7276.	-1.200	0.000	1.000	1.000	24.58	0.000	0.000	Strato1_2_8_L_0
8 D	5.352	-5.4984E-03	45.48	26.76	45.48	26.76	V-C	7276.	-1.400	0.000	1.000	1.000	26.76	0.000	0.000	Strato1_2_8_L_0
9 D	5.534	-5.2764E-03	47.70	27.67	47.70	27.67	V-C	7276.	-1.600	0.000	1.000	1.000	27.67	0.000	0.000	Strato1_2_8_L_0
10 D	5.949	-5.0556E-03	52.50	29.75	52.50	29.75	V-C	7276.	-1.800	0.000	1.000	1.000	29.75	0.000	0.000	Strato1_2_8_L_0
11 D	6.218	-4.8363E-03	55.71	31.09	55.71	31.09	V-C	7276.	-2.000	0.000	1.000	1.000	31.09	0.000	0.000	Strato1_2_8_L_0
12 D	6.611	-4.6190E-03	60.30	33.06	60.30	33.06	V-C	7276.	-2.200	0.000	1.000	1.000	33.06	0.000	0.000	Strato1_2_8_L_0
13 D	6.883	-4.4040E-03	63.58	34.42	63.58	34.42	V-C	7276.	-2.400	0.000	1.000	1.000	34.42	0.000	0.000	Strato1_2_8_L_0
14 D	7.260	-4.1920E-03	68.04	36.30	68.04	36.30	V-C	7276.	-2.600	0.000	1.000	1.000	36.30	0.000	0.000	Strato1_2_8_L_0
15 D	7.466	-3.9836E-03	71.38	37.33	71.38	37.83	UL-RL	2.1827E+04	-2.800	0.000	1.000	1.000	37.33	0.000	0.000	Strato1_2_8_L_0
16 D	7.602	-3.7793E-03	75.31	38.01	75.31	39.92	UL-RL	2.1827E+04	-3.000	0.000	1.000	1.000	38.01	0.000	0.000	Strato1_2_8_L_0
17 D	7.696	-3.5799E-03	78.73	38.48	78.73	41.73	UL-RL	2.1827E+04	-3.200	0.000	1.000	1.000	38.48	0.000	0.000	Strato1_2_8_L_0
18 D	7.836	-3.3853E-03	83.04	39.18	83.04	44.01	UL-RL	2.1827E+04	-3.400	0.000	1.000	1.000	39.18	0.000	0.000	Strato1_2_8_L_0
19 D	7.916	-3.1956E-03	86.49	39.58	86.49	45.84	UL-RL	2.1827E+04	-3.600	0.000	1.000	1.000	39.58	0.000	0.000	Strato1_2_8_L_0
20 D	8.040	-3.0110E-03	90.74	40.20	90.74	48.09	UL-RL	2.1827E+04	-3.800	0.000	1.000	1.000	40.20	0.000	0.000	Strato1_2_8_L_0
21 D	8.113	-2.8315E-03	94.22	40.57	94.22	49.94	UL-RL	2.1827E+04	-4.000	0.000	1.000	1.000	40.57	0.000	0.000	Strato1_2_8_L_0
22 D	8.229	-2.6573E-03	98.43	41.14	98.43	52.17	UL-RL	2.1827E+04	-4.200	0.000	1.000	1.000	41.14	0.000	0.000	Strato1_2_8_L_0
23 D	8.301	-2.4888E-03	101.9	41.50	101.9	54.02	UL-RL	2.1827E+04	-4.400	0.000	1.000	1.000	41.50	0.000	0.000	Strato1_2_8_L_0
24 D	8.397	-2.3261E-03	105.8	41.98	105.8	56.08	UL-RL	2.1827E+04	-4.600	0.000	1.000	1.000	41.98	0.000	0.000	Strato1_2_8_L_0
25 D	8.473	-2.1694E-03	109.3	42.37	109.3	57.95	UL-RL	2.1827E+04	-4.800	0.000	1.000	1.000	42.37	0.000	0.000	Strato1_2_8_L_0
26 D	8.589	-2.0190E-03	113.5	42.95	113.5	60.15	UL-RL	2.1827E+04	-5.000	0.000	1.000	1.000	42.95	0.000	0.000	Strato1_2_8_L_0
27 D	8.673	-1.8749E-03	117.0	43.36	117.0	62.03	UL-RL	2.1827E+04	-5.200	0.000	1.000	1.000	43.36	0.000	0.000	Strato1_2_8_L_0
28 D	8.794	-1.7374E-03	121.2	43.97	121.2	64.21	UL-RL	2.1827E+04	-5.400	0.000	1.000	1.000	43.97	0.000	0.000	Strato1_2_8_L_0
29 D	8.887	-1.6065E-03	124.7	44.43	124.7	66.10	UL-RL	2.1827E+04	-5.600	0.000	1.000	1.000	44.43	0.000	0.000	Strato1_2_8_L_0
30 D	9.016	-1.4823E-03	128.8	45.08	128.8	68.27	UL-RL	2.1827E+04	-5.800	0.000	1.000	1.000				

45.08	0.000	0.000	Strato1_2_8_L_0										
31 D	9.106	-1.3648E-03	132.2	45.53	132.2	70.06	UL-RL	2.1827E+04	-6.000	0.000	1.000	1.000	
45.53	0.000	0.000	Strato1_2_8_L_0										
32 D	9.246	-1.2542E-03	136.3	46.23	136.3	72.22	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000	
46.23	0.000	0.000	Strato1_2_8_L_0										
33 D	9.804	-1.1502E-03	139.9	49.02	139.9	74.12	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000	
49.02	0.000	0.000	Strato1_2_8_L_0										
34 D	10.66	-1.0529E-03	143.9	53.29	143.9	76.28	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000	
53.29	0.000	0.000	Strato1_2_8_L_0										
35 D	11.44	-9.6217E-04	147.5	57.19	147.5	78.19	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000	
57.19	0.000	0.000	Strato1_2_8_L_0										
36 D	12.23	-8.7789E-04	151.6	61.17	151.6	80.33	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000	
61.17	0.000	0.000	Strato1_2_8_L_0										
37 D	12.96	-7.9987E-04	155.2	64.79	155.2	82.25	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000	
64.79	0.000	0.000	Strato1_2_8_L_0										
38 D	13.70	-7.2795E-04	159.2	68.49	159.2	84.38	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000	
68.49	0.000	0.000	Strato1_2_8_L_0										
39 D	14.35	-6.6192E-04	162.7	71.77	162.7	86.21	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000	
71.77	0.000	0.000	Strato1_2_8_L_0										
40 D	15.04	-6.0155E-04	166.7	75.21	166.7	88.34	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000	
75.21	0.000	0.000	Strato1_2_8_L_0										
41 D	15.67	-5.4662E-04	170.3	78.34	170.3	90.27	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000	
78.34	0.000	0.000	Strato1_2_8_L_0										
42 D	16.31	-4.9687E-04	174.3	81.55	174.3	92.40	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000	
81.55	0.000	0.000	Strato1_2_8_L_0										
43 D	16.89	-4.5206E-04	178.0	84.46	178.0	94.33	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000	
84.46	0.000	0.000	Strato1_2_8_L_0										
44 D	17.49	-4.1192E-04	182.0	87.45	182.0	96.45	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000	
87.45	0.000	0.000	Strato1_2_8_L_0										
45 D	18.03	-3.7620E-04	185.6	90.17	185.6	98.38	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000	
90.17	0.000	0.000	Strato1_2_8_L_0										
46 D	18.58	-3.4462E-04	189.5	92.89	189.5	100.4	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000	
92.89	0.000	0.000	Strato1_2_8_L_0										
47 D	19.09	-3.1693E-04	193.1	95.44	193.1	102.4	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000	
95.44	0.000	0.000	Strato1_2_8_L_0										
48 D	19.61	-2.9285E-04	197.1	98.07	197.1	104.5	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000	
98.07	0.000	0.000	Strato1_2_8_L_0										
49 D	20.09	-2.7212E-04	200.8	100.5	200.8	106.4	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000	
100.5	0.000	0.000	Strato1_2_8_L_0										
50 D	20.59	-2.5450E-04	204.7	103.0	204.7	108.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000	
103.0	0.000	0.000	Strato1_2_8_L_0										
51 D	21.04	-2.3973E-04	208.4	105.2	208.4	110.5	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000	
105.2	0.000	0.000	Strato1_2_8_L_0										
52 D	21.52	-2.2756E-04	212.4	107.6	212.4	112.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000	
107.6	0.000	0.000	Strato1_2_8_L_0										
53 D	21.95	-2.1776E-04	216.0	109.8	216.0	114.5	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000	
109.8	0.000	0.000	Strato1_2_8_L_0										
54 D	22.39	-2.1012E-04	219.9	112.0	219.9	116.5	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000	
112.0	0.000	0.000	Strato1_2_8_L_0										
55 D	22.81	-2.0440E-04	223.6	114.0	223.6	118.5	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000	
114.0	0.000	0.000	Strato1_2_8_L_0										
56 D	23.24	-2.0041E-04	227.5	116.2	227.5	120.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000	
116.2	0.000	0.000	Strato1_2_8_L_0										
57 D	23.64	-1.9794E-04	231.2	118.2	231.2	122.5	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000	
118.2	0.000	0.000	Strato1_2_8_L_0										
58 D	24.07	-1.9682E-04	235.1	120.3	235.1	124.6	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000	
120.3	0.000	0.000	Strato1_2_8_L_0										
59 D	24.46	-1.9687E-04	238.8	122.3	238.8	126.6	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000	
122.3	0.000	0.000	Strato1_2_8_L_0										
60 D	24.87	-1.9793E-04	242.8	124.4	242.8	128.7	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000	
124.4	0.000	0.000	Strato1_2_8_L_0										
61 D	25.24	-1.9983E-04	246.4	126.2	246.4	130.6	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000	
126.2	0.000	0.000	Strato1_2_8_L_0										
62 D	25.65	-2.0245E-04	250.3	128.2	250.3	132.7	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000	
128.2	0.000	0.000	Strato1_2_8_L_0										
63 D	26.03	-2.0564E-04	254.0	130.1	254.0	134.6	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000	
130.1	0.000	0.000	Strato1_2_8_L_0										
64 D	23.21	-2.0930E-04	257.9	116.0	257.9	129.0	UL-RL	6.1746E+04	-12.60	0.000	1.000	1.000	
116.0	0.000	0.000	Strato2_3095_82743_L_0										
65 D	23.55	-2.1329E-04	261.8	117.7	261.8	130.9	UL-RL	6.1746E+04	-12.80	0.000	1.000	1.000	
117.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	23.91	-2.1753E-04	266.0	119.5	266.0	133.0	UL-RL	6.1746E+04	-13.00	0.000	1.000	1.000	
119.5	0.000	0.000	Strato2_3095_82743_L_0										
67 D	24.24	-2.2193E-04	269.9	121.2	269.9	134.9	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000	
121.2	0.000	0.000	Strato2_3095_82743_L_0										
68 D	24.60	-2.2641E-04	274.0	123.0	274.0	137.0	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000	
123.0	0.000	0.000	Strato2_3095_82743_L_0										
69 D	24.93	-2.3092E-04	277.8	124.6	277.8	138.9	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000	
124.6	0.000	0.000	Strato2_3095_82743_L_0										
70 D	25.28	-2.3540E-04	281.9	126.4	281.9	141.0	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000	
126.4	0.000	0.000	Strato2_3095_82743_L_0										
71 D	25.62	-2.3982E-04	285.8	128.1	285.8	142.9	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000	
128.1	0.000	0.000	Strato2_3095_82743_L_0										
72 D	25.98	-2.4413E-04	289.9	129.9	289.9	145.0	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000	
129.9	0.000	0.000	Strato2_3095_82743_L_0										

73 D	26.32	-2.4832E-04	293.8	131.6	293.8	146.9	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000	131.6	0.000	0.000	Strato2_3095_82743_L_0
74 D	26.68	-2.5236E-04	298.0	133.4	298.0	149.0	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000	133.4	0.000	0.000	Strato2_3095_82743_L_0
75 D	27.02	-2.5625E-04	301.9	135.1	301.9	150.9	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000	135.1	0.000	0.000	Strato2_3095_82743_L_0
76 D	27.38	-2.5997E-04	305.9	136.9	305.9	152.9	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000	136.9	0.000	0.000	Strato2_3095_82743_L_0
77 D	27.73	-2.6354E-04	309.8	138.6	309.8	154.9	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000	138.6	0.000	0.000	Strato2_3095_82743_L_0
78 D	28.10	-2.6695E-04	313.9	140.5	313.9	157.0	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000	140.5	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.45	-2.7021E-04	317.8	142.2	317.8	158.9	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000	142.2	0.000	0.000	Strato2_3095_82743_L_0
80 D	28.82	-2.7333E-04	321.9	144.1	321.9	161.0	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000	144.1	0.000	0.000	Strato2_3095_82743_L_0
81 D	29.17	-2.7632E-04	325.9	145.9	325.9	162.9	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000	145.9	0.000	0.000	Strato2_3095_82743_L_0
82 D	29.55	-2.7920E-04	330.0	147.7	330.0	165.0	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000	147.7	0.000	0.000	Strato2_3095_82743_L_0
83 D	29.91	-2.8197E-04	333.9	149.5	333.9	166.9	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000	149.5	0.000	0.000	Strato2_3095_82743_L_0
84 D	30.27	-2.8467E-04	337.9	151.4	337.9	169.0	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000	151.4	0.000	0.000	Strato2_3095_82743_L_0
85 D	30.63	-2.8729E-04	341.8	153.2	341.8	170.9	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000	153.2	0.000	0.000	Strato2_3095_82743_L_0
86 D	31.01	-2.8986E-04	345.9	155.1	345.9	173.0	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000	155.1	0.000	0.000	Strato2_3095_82743_L_0
87 D	31.37	-2.9240E-04	349.8	156.9	349.8	174.9	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000	156.9	0.000	0.000	Strato2_3095_82743_L_0
88 D	31.75	-2.9490E-04	353.9	158.8	353.9	177.0	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000	158.8	0.000	0.000	Strato2_3095_82743_L_0
89 D	32.11	-2.9740E-04	357.9	160.6	357.9	178.9	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000	160.6	0.000	0.000	Strato2_3095_82743_L_0
90 D	32.49	-2.9988E-04	362.0	162.5	362.0	181.0	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000	162.5	0.000	0.000	Strato2_3095_82743_L_0
91 D	16.42	-3.0236E-04	365.8	164.2	365.8	182.9	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000	164.2	0.000	0.000	Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available

11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000
not available															
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000
not available															
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000
not available															
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000
not available															
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000
not available															
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000
not available															
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000
not available															
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000
not available															
19 D	0.1155	3.1956E-03	1.900	0.5776	68.40	36.25	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.5776	0.000	0.000
Strato1_2_8_L_0															
20 D	2.856	3.0110E-03	5.700	14.28	72.20	38.27	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000	14.28	0.000	0.000
Strato1_2_8_L_0															
21 D	6.023	2.8315E-03	9.500	30.12	76.00	40.28	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000	30.12	0.000	0.000
Strato1_2_8_L_0															
22 D	9.192	2.6573E-03	13.30	45.96	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000	45.96	0.000	0.000
Strato1_2_8_L_0															
23 D	10.40	2.4888E-03	17.10	52.01	83.60	59.31	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000	52.01	0.000	0.000
Strato1_2_8_L_0															
24 D	10.70	2.3261E-03	20.90	53.52	87.40	60.34	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000	53.52	0.000	0.000
Strato1_2_8_L_0															
25 D	11.01	2.1694E-03	24.70	55.07	91.20	61.40	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000	55.07	0.000	0.000
Strato1_2_8_L_0															
26 D	11.33	2.0190E-03	28.50	56.64	95.00	62.50	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000	56.64	0.000	0.000
Strato1_2_8_L_0															
27 D	11.65	1.8749E-03	32.30	58.23	98.80	63.63	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000	58.23	0.000	0.000
Strato1_2_8_L_0															
28 D	11.97	1.7374E-03	36.10	59.85	102.6	64.80	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000	59.85	0.000	0.000
Strato1_2_8_L_0															
29 D	12.30	1.6065E-03	39.90	61.49	106.4	66.01	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000	61.49	0.000	0.000
Strato1_2_8_L_0															
30 D	12.63	1.4823E-03	43.70	63.15	110.2	67.26	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000	63.15	0.000	0.000
Strato1_2_8_L_0															
31 D	12.97	1.3648E-03	47.50	64.84	114.0	68.55	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000	64.84	0.000	0.000
Strato1_2_8_L_0															
32 D	13.31	1.2542E-03	51.30	66.54	117.8	69.88	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000	66.54	0.000	0.000
Strato1_2_8_L_0															
33 D	13.65	1.1502E-03	55.10	68.27	121.6	71.25	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000	68.27	0.000	0.000
Strato1_2_8_L_0															
34 D	14.00	1.0529E-03	58.90	70.02	125.4	72.66	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000	70.02	0.000	0.000
Strato1_2_8_L_0															
35 D	14.36	9.6217E-04	62.70	71.78	129.2	74.11	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000	71.78	0.000	0.000
Strato1_2_8_L_0															
36 D	14.71	8.7789E-04	66.50	73.57	133.0	75.60	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000	73.57	0.000	0.000
Strato1_2_8_L_0															
37 D	15.07	7.9987E-04	70.30	75.37	136.8	77.13	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000	75.37	0.000	0.000
Strato1_2_8_L_0															
38 D	15.44	7.2795E-04	74.10	77.19	140.6	78.69	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000	77.19	0.000	0.000
Strato1_2_8_L_0															
39 D	15.81	6.6192E-04	77.90	79.03	144.4	80.29	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000	79.03	0.000	0.000
Strato1_2_8_L_0															
40 D	16.18	6.0155E-04	81.70	80.89	148.2	81.93	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000	80.89	0.000	0.000
Strato1_2_8_L_0															
41 D	16.55	5.4662E-04	85.50	82.75	152.0	83.60	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000	82.75	0.000	0.000
Strato1_2_8_L_0															
42 D	16.93	4.9687E-04	89.30	84.64	155.8	85.31	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000	84.64	0.000	0.000
Strato1_2_8_L_0															
43 D	17.31	4.5206E-04	93.10	86.53	159.6	87.04	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000	86.53	0.000	0.000
Strato1_2_8_L_0															
44 D	17.69	4.1192E-04	96.90	88.44	163.4	88.80	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000	88.44	0.000	0.000
Strato1_2_8_L_0															
45 D	18.07	3.7620E-04	100.7	90.36	167.2	90.59	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000	90.36	0.000	0.000
Strato1_2_8_L_0															
46 D	18.42	3.4462E-04	104.5	92.11	171.0	92.50	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000	92.11	0.000	0.000
Strato1_2_8_L_0															
47 D	18.76	3.1693E-04	108.3	93.78	174.8	94.48	UL-RL	1.5147E+04	-9.200	0.000	1.000	1.000	93.78	0.000	0.000
Strato1_2_8_L_0															
48 D	19.10	2.9285E-04	112.1	95.50	178.6	96.45	UL-RL	1.5147E+04	-9.400	0.000	1.000	1.000	95.50	0.000	0.000
Strato1_2_8_L_0															
49 D	19.45	2.7212E-04	115.9	97.27	182.4	98.44	UL-RL	1.5147E+04	-9.600	0.000	1.000	1.000	97.27	0.000	0.000
Strato1_2_8_L_0															
50 D	19.81	2.5450E-04	119.7	99.07	186.2	100.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000	99.07	0.000	0.000
Strato1_2_8_L_0															
51 D	20.18	2.3973E-04	123.5	100.9	190.0	102.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	100.9	0.000	0.000
Strato1_2_8_L_0															
52 D	20.56	2.2756E-04	127.3	102.8	193.8	104.4	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	102.8	0.000	0.000
Strato1_2_8_L_0															
53 D	20.94	2.1776E-04	131.1	104.7	197.6	106.4	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000			

104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.33	2.1012E-04	134.9	106.7	201.4	108.4	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.72	2.0440E-04	138.7	108.6	205.2	110.4	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
108.6	0.000	0.000	Strato1_2_8_L_0									
56 D	22.12	2.0041E-04	142.5	110.6	209.0	112.4	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
110.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.53	1.9794E-04	146.3	112.6	212.8	114.4	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
112.6	0.000	0.000	Strato1_2_8_L_0									
58 D	22.93	1.9682E-04	150.1	114.7	216.6	116.4	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
114.7	0.000	0.000	Strato1_2_8_L_0									
59 D	23.34	1.9687E-04	153.9	116.7	220.4	118.4	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
116.7	0.000	0.000	Strato1_2_8_L_0									
60 D	23.75	1.9793E-04	157.7	118.8	224.2	120.4	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	1.9983E-04	161.5	120.8	228.0	122.4	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.58	2.0245E-04	165.3	122.9	231.8	124.4	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	25.00	2.0564E-04	169.1	125.0	235.6	126.4	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
125.0	0.000	0.000	Strato1_2_8_L_0									
64 D	21.75	2.0930E-04	172.9	108.7	239.4	119.7	UL-RL	3.3465E+04	-12.60	0.000	1.000	1.000
108.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.18	2.1329E-04	176.9	110.9	243.4	121.7	UL-RL	3.3465E+04	-12.80	0.000	1.000	1.000
110.9	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.61	2.1753E-04	180.9	113.1	247.4	123.7	UL-RL	3.3465E+04	-13.00	0.000	1.000	1.000
113.1	0.000	0.000	Strato2_3095_82743_L_0									
67 D	23.05	2.2193E-04	184.9	115.2	251.4	125.7	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
115.2	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.48	2.2641E-04	188.9	117.4	255.4	127.7	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
117.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.91	2.3092E-04	192.9	119.6	259.4	129.7	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
119.6	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.35	2.3540E-04	196.9	121.7	263.4	131.7	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
121.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.78	2.3982E-04	200.9	123.9	267.4	133.7	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
123.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.22	2.4413E-04	204.9	126.1	271.4	135.7	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
126.1	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.65	2.4832E-04	208.9	128.2	275.4	137.7	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
128.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.08	2.5236E-04	212.9	130.4	279.4	139.7	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
130.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.51	2.5625E-04	216.9	132.5	283.4	141.7	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
132.5	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.94	2.5997E-04	220.9	134.7	287.4	143.7	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
134.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.36	2.6354E-04	224.9	136.8	291.4	145.7	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
136.8	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.79	2.6695E-04	228.9	138.9	295.4	147.7	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
138.9	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.21	2.7021E-04	232.9	141.1	299.4	149.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
141.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.64	2.7333E-04	236.9	143.2	303.4	151.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
143.2	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.06	2.7632E-04	240.9	145.3	307.4	153.7	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
145.3	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.48	2.7920E-04	244.9	147.4	311.4	155.7	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.91	2.8197E-04	248.9	149.5	315.4	157.7	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.5	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.33	2.8467E-04	252.9	151.6	319.4	159.7	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.6	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.75	2.8729E-04	256.9	153.7	323.4	161.7	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.17	2.8986E-04	260.9	155.8	327.4	163.7	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.59	2.9240E-04	264.9	157.9	331.4	165.7	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
157.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.01	2.9490E-04	268.9	160.0	335.4	167.7	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.0	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.42	2.9740E-04	272.9	162.1	339.4	169.7	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.1	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.84	2.9988E-04	276.9	164.2	343.4	171.7	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.2	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.63	3.0236E-04	280.9	166.3	347.4	173.7	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.3	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.8909     -1.8909     3.98845E-11 0.37818
    2  5.0519     -5.0519    -0.37818     1.3886
    3  8.4124     -8.4124     -1.3886     3.0710
    4  12.399     -12.399     -3.0710     5.5507
    5  16.593     -16.593     -5.5507     8.8693
    6  21.274     -21.274     -8.8693     13.124
    7  26.191     -26.191     -13.124     18.362
    8  31.544     -31.544     -18.362     24.671
    9  37.078     -37.078     -24.671     32.087
   10  43.027     -43.027     -32.087     40.692
   11  49.245     -49.245     -40.692     50.541
   12  55.856     -55.856     -50.541     61.712
   13  62.740     -62.740     -61.712     74.260
   14  70.000     -70.000     -74.260     88.260
   15  77.466     -77.466     -88.260     103.75
   16 -5.6717      5.6717     -103.75     102.62
   17  2.0242     -2.0242     -102.62     103.02
   18  9.8599     -9.8599     -103.02     105.00
   19  17.660     -17.660     -105.00     108.53
   20  22.844     -22.844     -108.53     113.10
   21  24.934     -24.934     -113.10     118.08
   22  23.971     -23.971     -118.08     122.88
   23  21.870     -21.870     -122.88     127.25
   24  19.563     -19.563     -127.25     131.16
   25  17.022     -17.022     -131.16     134.57
   26  14.285     -14.285     -134.57     137.43
   27  11.311     -11.311     -137.43     139.69
   28  8.1359     -8.1359     -139.69     141.32
   29  4.7250     -4.7250     -141.32     142.26
   30  1.1108     -1.1108     -142.26     142.48
   31 -2.7502      2.7502     -142.48     141.93
   32 -6.8131      6.8131     -141.93     140.57
   33 -10.663      10.663     -140.57     138.44
   34 -14.008      14.008     -138.44     135.64
   35 -16.927      16.927     -135.64     132.25
   36 -19.407      19.407     -132.25     128.37
   37 -21.524      21.524     -128.37     124.06
   38 -23.264      23.264     -124.06     119.41
   39 -24.718      24.718     -119.41     114.47
   40 -25.852      25.852     -114.47     109.30
   41 -26.735      26.735     -109.30     103.95
   42 -27.352      27.352     -103.95     98.479
   43 -27.766      27.766     -98.479     92.926
   44 -27.963      27.963     -92.926     87.334
   45 -28.002      28.002     -87.334     81.733
   46 -27.845      27.845     -81.733     76.164
   47 -27.513      27.513     -76.164     70.662
   48 -26.998      26.998     -70.662     65.262
   49 -26.358      26.358     -65.262     59.991
   50 -25.581      25.581     -59.991     54.874
   51 -24.720      24.720     -54.874     49.930
   52 -23.762      23.762     -49.930     45.178
   53 -22.754      22.754     -45.178     40.627
   54 -21.695      21.695     -40.627     36.288
   55 -20.614      20.614     -36.288     32.165
   56 -19.495      19.495     -32.165     28.266
   57 -18.377      18.377     -28.266     24.591
   58 -17.242      17.242     -24.591     21.142
   59 -16.125      16.125     -21.142     17.917
   60 -15.006      15.006     -17.917     14.916
   61 -13.929      13.929     -14.916     12.130
   62 -12.862      12.862     -12.130     9.5580
   63 -11.834      11.834     -9.5580     7.1912
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   64 -10.372      10.372     -7.1912      5.1168
   65 -9.0012      9.0012     -5.1168      3.3165
   66 -7.7032      7.7032     -3.3165      1.7759
   67 -6.5039      6.5039     -1.7759     0.47520
   68 -5.3819      5.3819    -0.47520    -0.60118
   69 -4.3698      4.3698     0.60118     -1.4751
   70 -3.4350      3.4350      1.4751     -2.1621
   71 -2.5978      2.5978      2.1621     -2.6817
   72 -1.8348      1.8348      2.6817     -3.0486
   73 -1.1645      1.1645      3.0486     -3.2815
   74-0.56345     0.56345      3.2815     -3.3942
   75-4.90228E-02 4.90228E-02  3.3942     -3.4040
   76 0.39338    -0.39338      3.4040     -3.3254
   77 0.75578    -0.75578      3.3254     -3.1742
   78  1.0610     -1.0610      3.1742     -2.9620
   79  1.2925     -1.2925      2.9620     -2.7035
   80  1.4723     -1.4723      2.7035     -2.4090
   81  1.5838     -1.5838      2.4090     -2.0923
   82  1.6481     -1.6481      2.0923     -1.7626
   83  1.6485     -1.6485      1.7626     -1.4329
   84  1.5971     -1.5971      1.4329     -1.1135
   85  1.4851     -1.4851      1.1135    -0.81649
   86  1.3316     -1.3316     0.81649    -0.55017
   87  1.1195     -1.1195     0.55017    -0.32627
   88 0.86705    -0.86705     0.32627    -0.15286
   89 0.55715    -0.55715     0.15286    -4.14304E-02
   90 0.20715    -0.20715     4.14304E-02-5.25213E-12


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      17:58:40                                             |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -6.68821E-04 -6.68821E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      17:58:40                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1541E+06 RIMNOR=0.1026E+07
           RENORM= 6333.     REMNOR=0.4430E-19 RATIO =0.2027     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 142.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1541E+06 RDR   =0.1026E+07
           RATIOT=0.2027     RATIOR= 0.000
           MAX UN= 17.69     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.1152E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
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           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1541E+06 RIMNOR=0.1026E+07
            RENORM= 587.5     REMNOR=0.4964E-18 RATIO =0.6175E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 142.5
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1541E+06 RDR   =0.1026E+07
            RATIOT=0.6175E-01 RATIOR= 0.000
            MAX UN= 6.586     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
            MIN UN=-.1559E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1541E+06 RIMNOR=0.1026E+07
            RENORM= 329.2     REMNOR=0.1001E-17 RATIO =0.4622E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 142.5
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1541E+06 RDR   =0.1026E+07
            RATIOT=0.4622E-01 RATIOR= 0.000
            MAX UN= 7.220     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
            MIN UN=-.3827E-08 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1541E+06 RIMNOR=0.1026E+07
            RENORM= 30.70     REMNOR=0.5270E-17 RATIO =0.1412E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 142.5
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1541E+06 RDR   =0.1026E+07
            RATIOT=0.1412E-01 RATIOR= 0.000
            MAX UN= 3.721     IEQ=   107 NODE     54 DOF   1  Y-DISPL.F
            MIN UN=-.1348E-01 IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1541E+06 RIMNOR=0.1026E+07
            RENORM=0.3268     REMNOR=0.2045E-17 RATIO =0.1456E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 142.5
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1541E+06 RDR   =0.1026E+07
            RATIOT=0.1456E-02 RATIOR= 0.000
            MAX UN=0.4591     IEQ=   115 NODE     58 DOF   1  Y-DISPL.F
            MIN UN=-.8158E-08 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      6 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1541E+06 RIMNOR=0.1026E+07
            RENORM=0.3081E-04 REMNOR=0.1758E-17 RATIO =0.1414E-04 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 90.74     RMMAX = 142.5
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1541E+06 RDR   =0.1026E+07
            RATIOT=0.1414E-04 RATIOR= 0.000
            MAX UN=0.7631E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
            MIN UN=-.5551E-02 IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2855016E-02  -2.2099388E-03
    2   3.2413029E-02  -2.2099195E-03
    3   3.1971052E-02  -2.2098326E-03
    4   3.1529105E-02  -2.2096165E-03
    5   3.1087219E-02  -2.2091960E-03
    6   3.0645446E-02  -2.2084820E-03
    7   3.0203853E-02  -2.2073739E-03
    8   2.9762530E-02  -2.2057589E-03
    9   2.9321591E-02  -2.2035129E-03
   10   2.8881176E-02  -2.2005014E-03
   11   2.8441451E-02  -2.1965798E-03
   12   2.8002615E-02  -2.1915920E-03
   13   2.7564897E-02  -2.1853704E-03
   14   2.7128561E-02  -2.1777362E-03
   15   2.6693909E-02  -2.1684995E-03
   16   2.6261282E-02  -2.1574590E-03
   17   2.5830829E-02  -2.1478685E-03
   18   2.5401821E-02  -2.1429711E-03
   19   2.4973343E-02  -2.1425333E-03
   20   2.4544527E-02  -2.1463104E-03
   21   2.4114555E-02  -2.1540466E-03
   22   2.3682662E-02  -2.1654749E-03
   23   2.3248138E-02  -2.1803173E-03
   24   2.2810329E-02  -2.1982844E-03
   25   2.2368638E-02  -2.2190765E-03
   26   2.1922531E-02  -2.2423831E-03
   27   2.1471538E-02  -2.2678825E-03
   28   2.1015254E-02  -2.2952420E-03
   29   2.0553343E-02  -2.3241174E-03
   30   2.0085532E-02  -2.3541544E-03
   31   1.9611628E-02  -2.3849866E-03
   32   1.9131509E-02  -2.4162374E-03
   33   1.8645131E-02  -2.4475194E-03
   34   1.8152526E-02  -2.4784340E-03
   35   1.7653812E-02  -2.5085713E-03
   36   1.7149180E-02  -2.5375112E-03
   37   1.6638916E-02  -2.5648216E-03
   38   1.6123389E-02  -2.5900599E-03
   39   1.5603060E-02  -2.6127722E-03
   40   1.5078482E-02  -2.6324939E-03
   41   1.4550296E-02  -2.6487497E-03
   42   1.4019235E-02  -2.6610532E-03
   43   1.3486161E-02  -2.6689066E-03
   44   1.2952006E-02  -2.6718016E-03
   45   1.2417808E-02  -2.6692186E-03
   46   1.1884717E-02  -2.6606636E-03
   47   1.1353967E-02  -2.6457408E-03
   48   1.0826862E-02  -2.6241898E-03
   49   1.0304744E-02  -2.5958849E-03
   50   9.7889607E-03  -2.5608347E-03
   51   9.2808506E-03  -2.5191832E-03
   52   8.7817039E-03  -2.4712085E-03
   53   8.2927561E-03  -2.4173249E-03
   54   7.8151340E-03  -2.3580407E-03
   55   7.3498641E-03  -2.2938923E-03
   56   6.8978657E-03  -2.2254149E-03
   57   6.4599511E-03  -2.1531430E-03
   58   6.0368259E-03  -2.0776105E-03
   59   5.6290887E-03  -1.9993509E-03
   60   5.2372324E-03  -1.9188886E-03
   61   4.8616472E-03  -1.8367183E-03
   62   4.5026285E-03  -1.7532960E-03
   63   4.1603843E-03  -1.6690402E-03
   64   3.8350424E-03  -1.5843341E-03
   65   3.5266434E-03  -1.4997374E-03
   66   3.2350902E-03  -1.4160000E-03
   67   2.9601376E-03  -1.3338490E-03
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68	2.7014133E-03	-1.2539493E-03
69	2.4583835E-03	-1.1768620E-03
70	2.2304485E-03	-1.1030743E-03
71	2.0169069E-03	-1.0329887E-03
72	1.8169844E-03	-9.6693220E-04
73	1.6298484E-03	-9.0516100E-04
74	1.4546216E-03	-8.4786540E-04
75	1.2903953E-03	-7.9517395E-04
76	1.1362404E-03	-7.4715749E-04
77	9.9121948E-04	-7.0383302E-04
78	8.5439663E-04	-6.6516701E-04
79	7.2484753E-04	-6.3107820E-04
80	6.0166863E-04	-6.0144024E-04
81	4.8398598E-04	-5.7608404E-04
82	3.7096355E-04	-5.5479978E-04
83	2.6181119E-04	-5.3733866E-04
84	1.5579230E-04	-5.2341432E-04
85	5.2226055E-05	-5.1270375E-04
86	-4.9484859E-05	-5.0485020E-04
87	-1.4987828E-04	-4.9946048E-04
88	-2.4940485E-04	-4.9610779E-04
89	-3.4842648E-04	-4.9433139E-04
90	-4.4720953E-04	-4.9363688E-04
91	-5.4591816E-04	-4.9349621E-04

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                Exe Time :29 July 2019      17:58:40                                                   |
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New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------
   1 D  0.8129     -3.2855E-02   26.74       8.129       26.74       18.91          ACTIVE   0.000       0.000       0.000       1.000       1.000
8.129       0.000       0.000     Strato1_2_8_L_0
   2 D   1.223     -3.2413E-02   20.12       6.116       20.12       15.81          ACTIVE   0.000     -0.2000       0.000       1.000       1.000
6.116       0.000       0.000     Strato1_2_8_L_0
   3 D   1.369     -3.1971E-02   22.52       6.845       22.52       16.80          ACTIVE   0.000     -0.4000       0.000       1.000       1.000
6.845       0.000       0.000     Strato1_2_8_L_0
   4 D   1.800     -3.1529E-02   29.60       8.999       29.60       19.93          ACTIVE   0.000     -0.6000       0.000       1.000       1.000
8.999       0.000       0.000     Strato1_2_8_L_0
   5 D   1.951     -3.1087E-02   32.10       9.757       32.10       20.97          ACTIVE   0.000     -0.8000       0.000       1.000       1.000
9.757       0.000       0.000     Strato1_2_8_L_0
   6 D   2.290     -3.0645E-02   37.67       11.45       37.67       23.41          ACTIVE   0.000      -1.000       0.000       1.000       1.000
11.45       0.000       0.000     Strato1_2_8_L_0
   7 D   2.460     -3.0204E-02   40.46       12.30       40.46       24.58          ACTIVE   0.000      -1.200       0.000       1.000       1.000
12.30       0.000       0.000     Strato1_2_8_L_0
   8 D   2.765     -2.9763E-02   45.48       13.82       45.48       26.76          ACTIVE   0.000      -1.400       0.000       1.000       1.000
13.82       0.000       0.000     Strato1_2_8_L_0
   9 D   2.900     -2.9322E-02   47.70       14.50       47.70       27.67          ACTIVE   0.000      -1.600       0.000       1.000       1.000
14.50       0.000       0.000     Strato1_2_8_L_0
  10 D   3.192     -2.8881E-02   52.50       15.96       52.50       29.75          ACTIVE   0.000      -1.800       0.000       1.000       1.000
15.96       0.000       0.000     Strato1_2_8_L_0
  11 D   3.387     -2.8441E-02   55.71       16.93       55.71       31.09          ACTIVE   0.000      -2.000       0.000       1.000       1.000
16.93       0.000       0.000     Strato1_2_8_L_0
  12 D   3.666     -2.8003E-02   60.30       18.33       60.30       33.06          ACTIVE   0.000      -2.200       0.000       1.000       1.000
18.33       0.000       0.000     Strato1_2_8_L_0
  13 D   3.866     -2.7565E-02   63.58       19.33       63.58       34.42          ACTIVE   0.000      -2.400       0.000       1.000       1.000
19.33       0.000       0.000     Strato1_2_8_L_0
  14 D   4.137     -2.7129E-02   68.04       20.68       68.04       36.30          ACTIVE   0.000      -2.600       0.000       1.000       1.000
20.68       0.000       0.000     Strato1_2_8_L_0
  15 D   4.340     -2.6694E-02   71.38       21.70       71.38       37.83          ACTIVE   0.000      -2.800       0.000       1.000       1.000
21.70       0.000       0.000     Strato1_2_8_L_0
  16 D   4.579     -2.6261E-02   75.31       22.90       75.31       39.92          ACTIVE   0.000      -3.000       0.000       1.000       1.000
22.90       0.000       0.000     Strato1_2_8_L_0
  17 D   4.787     -2.5831E-02   78.73       23.93       78.73       41.73          ACTIVE   0.000      -3.200       0.000       1.000       1.000
23.93       0.000       0.000     Strato1_2_8_L_0
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18 D	5.049	-2.5402E-02	83.04	25.24	83.04	44.01	ACTIVE	0.000	-3.400	0.000	1.000	1.000
25.24	0.000	0.000	Strato1_2_8_L_0									
19 D	5.259	-2.4973E-02	86.49	26.29	86.49	45.84	ACTIVE	0.000	-3.600	0.000	1.000	1.000
26.29	0.000	0.000	Strato1_2_8_L_0									
20 D	5.517	-2.4545E-02	90.74	27.59	90.74	48.09	ACTIVE	0.000	-3.800	0.000	1.000	1.000
27.59	0.000	0.000	Strato1_2_8_L_0									
21 D	5.729	-2.4115E-02	94.22	28.64	94.22	49.94	ACTIVE	0.000	-4.000	0.000	1.000	1.000
28.64	0.000	0.000	Strato1_2_8_L_0									
22 D	5.984	-2.3683E-02	98.43	29.92	98.43	52.17	ACTIVE	0.000	-4.200	0.000	1.000	1.000
29.92	0.000	0.000	Strato1_2_8_L_0									
23 D	6.197	-2.3248E-02	101.9	30.99	101.9	54.02	ACTIVE	0.000	-4.400	0.000	1.000	1.000
30.99	0.000	0.000	Strato1_2_8_L_0									
24 D	6.433	-2.2810E-02	105.8	32.17	105.8	56.08	ACTIVE	0.000	-4.600	0.000	1.000	1.000
32.17	0.000	0.000	Strato1_2_8_L_0									
25 D	6.648	-2.2369E-02	109.3	33.24	109.3	57.95	ACTIVE	0.000	-4.800	0.000	1.000	1.000
33.24	0.000	0.000	Strato1_2_8_L_0									
26 D	6.900	-2.1923E-02	113.5	34.50	113.5	60.15	ACTIVE	0.000	-5.000	0.000	1.000	1.000
34.50	0.000	0.000	Strato1_2_8_L_0									
27 D	7.116	-2.1472E-02	117.0	35.58	117.0	62.03	ACTIVE	0.000	-5.200	0.000	1.000	1.000
35.58	0.000	0.000	Strato1_2_8_L_0									
28 D	7.367	-2.1015E-02	121.2	36.83	121.2	64.21	ACTIVE	0.000	-5.400	0.000	1.000	1.000
36.83	0.000	0.000	Strato1_2_8_L_0									
29 D	7.583	-2.0553E-02	124.7	37.92	124.7	66.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000
37.92	0.000	0.000	Strato1_2_8_L_0									
30 D	7.832	-2.0086E-02	128.8	39.16	128.8	68.27	ACTIVE	0.000	-5.800	0.000	1.000	1.000
39.16	0.000	0.000	Strato1_2_8_L_0									
31 D	8.037	-1.9612E-02	132.2	40.18	132.2	70.06	ACTIVE	0.000	-6.000	0.000	1.000	1.000
40.18	0.000	0.000	Strato1_2_8_L_0									
32 D	8.285	-1.9132E-02	136.3	41.42	136.3	72.22	ACTIVE	0.000	-6.200	0.000	1.000	1.000
41.42	0.000	0.000	Strato1_2_8_L_0									
33 D	8.503	-1.8645E-02	139.9	42.52	139.9	74.12	ACTIVE	0.000	-6.400	0.000	1.000	1.000
42.52	0.000	0.000	Strato1_2_8_L_0									
34 D	8.750	-1.8153E-02	143.9	43.75	143.9	76.28	ACTIVE	0.000	-6.600	0.000	1.000	1.000
43.75	0.000	0.000	Strato1_2_8_L_0									
35 D	8.970	-1.7654E-02	147.5	44.85	147.5	78.19	ACTIVE	0.000	-6.800	0.000	1.000	1.000
44.85	0.000	0.000	Strato1_2_8_L_0									
36 D	9.215	-1.7149E-02	151.6	46.08	151.6	80.33	ACTIVE	0.000	-7.000	0.000	1.000	1.000
46.08	0.000	0.000	Strato1_2_8_L_0									
37 D	9.435	-1.6639E-02	155.2	47.18	155.2	82.25	ACTIVE	0.000	-7.200	0.000	1.000	1.000
47.18	0.000	0.000	Strato1_2_8_L_0									
38 D	9.680	-1.6123E-02	159.2	48.40	159.2	84.38	ACTIVE	0.000	-7.400	0.000	1.000	1.000
48.40	0.000	0.000	Strato1_2_8_L_0									
39 D	9.890	-1.5603E-02	162.7	49.45	162.7	86.21	ACTIVE	0.000	-7.600	0.000	1.000	1.000
49.45	0.000	0.000	Strato1_2_8_L_0									
40 D	10.13	-1.5078E-02	166.7	50.67	166.7	88.34	ACTIVE	0.000	-7.800	0.000	1.000	1.000
50.67	0.000	0.000	Strato1_2_8_L_0									
41 D	10.36	-1.4550E-02	170.3	51.78	170.3	90.27	ACTIVE	0.000	-8.000	0.000	1.000	1.000
51.78	0.000	0.000	Strato1_2_8_L_0									
42 D	10.60	-1.4019E-02	174.3	53.00	174.3	92.40	ACTIVE	0.000	-8.200	0.000	1.000	1.000
53.00	0.000	0.000	Strato1_2_8_L_0									
43 D	10.82	-1.3486E-02	178.0	54.10	178.0	94.33	ACTIVE	0.000	-8.400	0.000	1.000	1.000
54.10	0.000	0.000	Strato1_2_8_L_0									
44 D	11.06	-1.2952E-02	182.0	55.32	182.0	96.45	ACTIVE	0.000	-8.600	0.000	1.000	1.000
55.32	0.000	0.000	Strato1_2_8_L_0									
45 D	11.29	-1.2418E-02	185.6	56.43	185.6	98.38	ACTIVE	0.000	-8.800	0.000	1.000	1.000
56.43	0.000	0.000	Strato1_2_8_L_0									
46 D	11.52	-1.1885E-02	189.5	57.60	189.5	100.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000
57.60	0.000	0.000	Strato1_2_8_L_0									
47 D	11.74	-1.1354E-02	193.1	58.71	193.1	102.4	ACTIVE	0.000	-9.200	0.000	1.000	1.000
58.71	0.000	0.000	Strato1_2_8_L_0									
48 D	11.98	-1.0827E-02	197.1	59.92	197.1	104.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000
59.92	0.000	0.000	Strato1_2_8_L_0									
49 D	12.21	-1.0305E-02	200.8	61.03	200.8	106.4	ACTIVE	0.000	-9.600	0.000	1.000	1.000
61.03	0.000	0.000	Strato1_2_8_L_0									
50 D	12.45	-9.7890E-03	204.7	62.24	204.7	108.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000
62.24	0.000	0.000	Strato1_2_8_L_0									
51 D	12.67	-9.2809E-03	208.4	63.36	208.4	110.5	ACTIVE	0.000	-10.00	0.000	1.000	1.000
63.36	0.000	0.000	Strato1_2_8_L_0									
52 D	12.91	-8.7817E-03	212.4	64.56	212.4	112.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000
64.56	0.000	0.000	Strato1_2_8_L_0									
53 D	13.14	-8.2928E-03	216.0	65.68	216.0	114.5	ACTIVE	0.000	-10.40	0.000	1.000	1.000
65.68	0.000	0.000	Strato1_2_8_L_0									
54 D	13.37	-7.8151E-03	219.9	66.84	219.9	116.5	ACTIVE	0.000	-10.60	0.000	1.000	1.000
66.84	0.000	0.000	Strato1_2_8_L_0									
55 D	13.59	-7.3499E-03	223.6	67.96	223.6	118.5	ACTIVE	0.000	-10.80	0.000	1.000	1.000
67.96	0.000	0.000	Strato1_2_8_L_0									
56 D	13.83	-6.8979E-03	227.5	69.17	227.5	120.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000
69.17	0.000	0.000	Strato1_2_8_L_0									
57 D	14.06	-6.4600E-03	231.2	70.28	231.2	122.5	ACTIVE	0.000	-11.20	0.000	1.000	1.000
70.28	0.000	0.000	Strato1_2_8_L_0									
58 D	14.30	-6.0368E-03	235.1	71.49	235.1	124.6	ACTIVE	0.000	-11.40	0.000	1.000	1.000
71.49	0.000	0.000	Strato1_2_8_L_0									
59 D	14.92	-5.6291E-03	238.8	74.59	238.8	126.6	UL-RL	8781.	-11.60	0.000	1.000	1.000
74.59	0.000	0.000	Strato1_2_8_L_0									
60 D	16.02	-5.2372E-03	242.8	80.10	242.8	128.7	UL-RL	8781.	-11.80	0.000	1.000	1.000

80.10	0.000	0.000	Strato1_2_8_L_0									
61 D	17.05	-4.8616E-03	246.4	85.27	246.4	130.6	UL-RL	8781.	-12.00	0.000	1.000	1.000
85.27	0.000	0.000	Strato1_2_8_L_0									
62 D	18.10	-4.5026E-03	250.3	90.48	250.3	132.7	UL-RL	8781.	-12.20	0.000	1.000	1.000
90.48	0.000	0.000	Strato1_2_8_L_0									
63 D	19.08	-4.1604E-03	254.0	95.40	254.0	134.6	UL-RL	8781.	-12.40	0.000	1.000	1.000
95.40	0.000	0.000	Strato1_2_8_L_0									
64 D	8.244	-3.8350E-03	257.9	41.22	257.9	129.0	ACTIVE	0.000	-12.60	0.000	1.000	1.000
41.22	0.000	0.000	Strato2_3095_82743_L_0									
65 D	8.428	-3.5266E-03	261.8	42.14	261.8	130.9	ACTIVE	0.000	-12.80	0.000	1.000	1.000
42.14	0.000	0.000	Strato2_3095_82743_L_0									
66 D	8.918	-3.2351E-03	266.0	44.59	266.0	133.0	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000
44.59	0.000	0.000	Strato2_3095_82743_L_0									
67 D	10.64	-2.9601E-03	269.9	53.21	269.9	134.9	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000
53.21	0.000	0.000	Strato2_3095_82743_L_0									
68 D	12.31	-2.7014E-03	274.0	61.53	274.0	137.0	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000
61.53	0.000	0.000	Strato2_3095_82743_L_0									
69 D	13.86	-2.4584E-03	277.8	69.30	277.8	138.9	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000
69.30	0.000	0.000	Strato2_3095_82743_L_0									
70 D	15.37	-2.2304E-03	281.9	76.86	281.9	141.0	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000
76.86	0.000	0.000	Strato2_3095_82743_L_0									
71 D	16.79	-2.0169E-03	285.8	83.96	285.8	142.9	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000
83.96	0.000	0.000	Strato2_3095_82743_L_0									
72 D	18.16	-1.8170E-03	289.9	90.82	289.9	145.0	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000
90.82	0.000	0.000	Strato2_3095_82743_L_0									
73 D	19.45	-1.6298E-03	293.8	97.27	293.8	146.9	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000
97.27	0.000	0.000	Strato2_3095_82743_L_0									
74 D	20.71	-1.4546E-03	298.0	103.5	298.0	149.0	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000
103.5	0.000	0.000	Strato2_3095_82743_L_0									
75 D	21.88	-1.2904E-03	301.9	109.4	301.9	150.9	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000
109.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.03	-1.1362E-03	305.9	115.1	305.9	152.9	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000
115.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.11	-9.9122E-04	309.8	120.6	309.8	154.9	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
78 D	25.18	-8.5440E-04	313.9	125.9	313.9	157.0	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000
125.9	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.19	-7.2485E-04	317.8	130.9	317.8	158.9	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000
130.9	0.000	0.000	Strato2_3095_82743_L_0									
80 D	27.19	-6.0167E-04	321.9	135.9	321.9	161.0	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000
135.9	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.14	-4.8399E-04	325.9	140.7	325.9	162.9	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000
140.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.09	-3.7096E-04	330.0	145.5	330.0	165.0	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000
145.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.01	-2.6181E-04	333.9	150.0	333.9	166.9	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000
150.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.92	-1.5579E-04	337.9	154.6	337.9	169.0	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000
154.6	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.80	-5.2226E-05	341.8	159.0	341.8	170.9	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000
159.0	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.70	4.9485E-05	345.9	163.5	345.9	173.0	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000
163.5	0.000	0.000	Strato2_3095_82743_L_0									
87 D	33.57	1.4988E-04	349.8	167.9	349.8	174.9	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000
167.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.46	2.4940E-04	353.9	172.3	353.9	177.0	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000
172.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.32	3.4843E-04	357.9	176.6	357.9	178.9	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000
176.6	0.000	0.000	Strato2_3095_82743_L_0									
90 D	36.20	4.4721E-04	362.0	181.0	362.0	181.0	V-C	8280.	-17.80	0.000	1.000	1.000
181.0	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.37	5.4592E-04	365.8	183.7	365.8	183.7	V-C	8280.	-18.00	0.000	1.000	1.000
183.7	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000	0.000	0.000	not available										
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
45 D	1.536	1.2418E-02	1.900	7.678	167.2	90.59	PASSIVE	0.000	-8.800	0.000	1.000	1.000	
7.678	0.000	0.000	Strato1_2_8_L_0										
46 D	4.607	1.1885E-02	5.700	23.03	171.0	92.50	PASSIVE	0.000	-9.000	0.000	1.000	1.000	
23.03	0.000	0.000	Strato1_2_8_L_0										
47 D	7.678	1.1354E-02	9.500	38.39	174.8	94.48	PASSIVE	0.000	-9.200	0.000	1.000	1.000	
38.39	0.000	0.000	Strato1_2_8_L_0										
48 D	10.75	1.0827E-02	13.30	53.75	178.6	96.45	PASSIVE	0.000	-9.400	0.000	1.000	1.000	
53.75	0.000	0.000	Strato1_2_8_L_0										
49 D	13.82	1.0305E-02	17.10	69.10	182.4	98.44	PASSIVE	0.000	-9.600	0.000	1.000	1.000	
69.10	0.000	0.000	Strato1_2_8_L_0										
50 D	16.89	9.7890E-03	20.90	84.46	186.2	100.4	PASSIVE	0.000	-9.800	0.000	1.000	1.000	
84.46	0.000	0.000	Strato1_2_8_L_0										
51 D	19.96	9.2809E-03	24.70	99.81	190.0	102.4	PASSIVE	0.000	-10.00	0.000	1.000	1.000	
99.81	0.000	0.000	Strato1_2_8_L_0										
52 D	23.03	8.7817E-03	28.50	115.2	193.8	115.2	PASSIVE	0.000	-10.20	0.000	1.000	1.000	
115.2	0.000	0.000	Strato1_2_8_L_0										
53 D	24.45	8.2928E-03	32.30	122.2	197.6	122.2	V-C	2031.	-10.40	0.000	1.000	1.000	
122.2	0.000	0.000	Strato1_2_8_L_0										
54 D	24.65	7.8151E-03	36.10	123.3	201.4	123.3	V-C	2031.	-10.60	0.000	1.000	1.000	
123.3	0.000	0.000	Strato1_2_8_L_0										
55 D	24.86	7.3499E-03	39.90	124.3	205.2	124.3	V-C	2031.	-10.80	0.000	1.000	1.000	
124.3	0.000	0.000	Strato1_2_8_L_0										
56 D	25.08	6.8979E-03	43.70	125.4	209.0	125.4	V-C	2031.	-11.00	0.000	1.000	1.000	
125.4	0.000	0.000	Strato1_2_8_L_0										
57 D	25.30	6.4600E-03	47.50	126.5	212.8	126.5	V-C	2031.	-11.20	0.000	1.000	1.000	
126.5	0.000	0.000	Strato1_2_8_L_0										
58 D	25.53	6.0368E-03	51.30	127.7	216.6	127.7	V-C	2031.	-11.40	0.000	1.000	1.000	
127.7	0.000	0.000	Strato1_2_8_L_0										
59 D	25.77	5.6291E-03	55.10	128.8	220.4	128.8	V-C	2031.	-11.60	0.000	1.000	1.000	
128.8	0.000	0.000	Strato1_2_8_L_0										
60 D	26.01	5.2372E-03	58.90	130.1	224.2	130.1	V-C	2031.	-11.80	0.000	1.000	1.000	
130.1	0.000	0.000	Strato1_2_8_L_0										
61 D	26.26	4.8616E-03	62.70	131.3	228.0	131.3	V-C	2031.	-12.00	0.000	1.000	1.000	
131.3	0.000	0.000	Strato1_2_8_L_0										
62 D	26.52	4.5026E-03	66.50	132.6	231.8	132.6	V-C	2031.	-12.20	0.000	1.000	1.000	
132.6	0.000	0.000	Strato1_2_8_L_0										
63 D	26.79	4.1604E-03	70.30	133.9	235.6	133.9	V-C	2031.	-12.40	0.000	1.000	1.000	
133.9	0.000	0.000	Strato1_2_8_L_0										
64 D	24.12	3.8350E-03	74.10	120.6	239.4	120.6	V-C	4488.	-12.60	0.000	1.000	1.000	
120.6	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.14	3.5266E-03	78.10	120.7	243.4	121.7	UL-RL	1.3463E+04	-12.80	0.000	1.000	1.000	
120.7	0.000	0.000	Strato2_3095_82743_L_0										
66 D	23.83	3.2351E-03	82.10	119.2	247.4	123.7	UL-RL	1.3463E+04	-13.00	0.000	1.000	1.000	
119.2	0.000	0.000	Strato2_3095_82743_L_0										
67 D	23.57	2.9601E-03	86.10	117.9	251.4	125.7	UL-RL	1.3463E+04	-13.20	0.000	1.000	1.000	
117.9	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.35	2.7014E-03	90.10	116.7	255.4	127.7	UL-RL	1.3463E+04	-13.40	0.000	1.000	1.000	
116.7	0.000	0.000	Strato2_3095_82743_L_0										
69 D	23.17	2.4584E-03	94.10	115.8	259.4	129.7	UL-RL	1.3463E+04	-13.60	0.000	1.000	1.000	
115.8	0.000	0.000	Strato2_3095_82743_L_0										
70 D	23.02	2.2304E-03	98.10	115.1	263.4	131.7	UL-RL	1.3463E+04	-13.80	0.000	1.000	1.000	
115.1	0.000	0.000	Strato2_3095_82743_L_0										
71 D	22.91	2.0169E-03	102.1	114.6	267.4	133.7	UL-RL	1.3463E+04	-14.00	0.000	1.000	1.000	
114.6	0.000	0.000	Strato2_3095_82743_L_0										
72 D	22.84	1.8170E-03	106.1	114.2	271.4	135.7	UL-RL	1.3463E+04	-14.20	0.000	1.000	1.000	
114.2	0.000	0.000	Strato2_3095_82743_L_0										

73 D	22.79	1.6298E-03	110.1	114.0	275.4	137.7	UL-RL	1.3463E+04	-14.40	0.000	1.000	1.000
114.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	22.78	1.4546E-03	114.1	113.9	279.4	139.7	UL-RL	1.3463E+04	-14.60	0.000	1.000	1.000
113.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.79	1.2904E-03	118.1	114.0	283.4	141.7	UL-RL	1.3463E+04	-14.80	0.000	1.000	1.000
114.0	0.000	0.000	Strato2_3095_82743_L_0									
76 D	22.83	1.1362E-03	122.1	114.2	287.4	143.7	UL-RL	1.3463E+04	-15.00	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
77 D	22.89	9.9122E-04	126.1	114.5	291.4	145.7	UL-RL	1.3463E+04	-15.20	0.000	1.000	1.000
114.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	22.97	8.5440E-04	130.1	114.9	295.4	147.7	UL-RL	1.3463E+04	-15.40	0.000	1.000	1.000
114.9	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.07	7.2485E-04	134.1	115.3	299.4	149.7	UL-RL	1.3463E+04	-15.60	0.000	1.000	1.000
115.3	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.18	6.0167E-04	138.1	115.9	303.4	151.7	UL-RL	1.3463E+04	-15.80	0.000	1.000	1.000
115.9	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.31	4.8399E-04	142.1	116.5	307.4	153.7	UL-RL	1.3463E+04	-16.00	0.000	1.000	1.000
116.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.45	3.7096E-04	146.1	117.2	311.4	155.7	UL-RL	1.3463E+04	-16.20	0.000	1.000	1.000
117.2	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.59	2.6181E-04	150.1	118.0	315.4	157.7	UL-RL	1.3463E+04	-16.40	0.000	1.000	1.000
118.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	23.74	1.5579E-04	154.1	118.7	319.4	159.7	UL-RL	1.3463E+04	-16.60	0.000	1.000	1.000
118.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	23.90	5.2226E-05	158.1	119.5	323.4	161.7	UL-RL	1.3463E+04	-16.80	0.000	1.000	1.000
119.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	24.06	-4.9485E-05	162.1	120.3	327.4	163.7	UL-RL	1.3463E+04	-17.00	0.000	1.000	1.000
120.3	0.000	0.000	Strato2_3095_82743_L_0									
87 D	24.23	-1.4988E-04	166.1	121.1	331.4	165.7	UL-RL	1.3463E+04	-17.20	0.000	1.000	1.000
121.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	24.39	-2.4940E-04	170.1	122.0	335.4	167.7	UL-RL	1.3463E+04	-17.40	0.000	1.000	1.000
122.0	0.000	0.000	Strato2_3095_82743_L_0									
89 D	24.56	-3.4843E-04	174.1	122.8	339.4	169.7	UL-RL	1.3463E+04	-17.60	0.000	1.000	1.000
122.8	0.000	0.000	Strato2_3095_82743_L_0									
90 D	24.73	-4.4721E-04	178.1	123.6	343.4	171.7	UL-RL	1.3463E+04	-17.80	0.000	1.000	1.000
123.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	12.45	-5.4592E-04	182.1	124.5	347.4	173.7	UL-RL	1.3463E+04	-18.00	0.000	1.000	1.000
124.5	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 0.81290    -0.81290     1.12246E-10 0.16258
    2  2.0360     -2.0360    -0.16258     0.56979
    3  3.4050     -3.4050    -0.56979      1.2508
    4  5.2048     -5.2048     -1.2508      2.2917
    5  7.1562     -7.1562     -2.2917      3.7230
    6  9.4464     -9.4464     -3.7230      5.6123
    7  11.907     -11.907     -5.6123      7.9936
    8  14.672     -14.672     -7.9936      10.928
    9  17.572     -17.572     -10.928      14.442
   10  20.764     -20.764     -14.442      18.595
   11  24.151     -24.151     -18.595      23.425
   12  27.817     -27.817     -23.425      28.989
   13  31.683     -31.683     -28.989      35.325
   14  35.820     -35.820     -35.325      42.489
   15  40.160     -40.160     -42.489      50.521
   16 -101.24      101.24     -50.521      30.274
   17 -96.450      96.450     -30.274      10.984
   18 -91.401      91.401     -10.984     -7.2960
   19 -86.142      86.142      7.2960     -24.524
   20 -80.625      80.625      24.524     -40.649
   21 -74.896      74.896      40.649     -55.629
   22 -68.912      68.912      55.629     -69.411
   23 -62.715      62.715      69.411     -81.954
   24 -56.281      56.281      81.954     -93.210
   25 -49.633      49.633      93.210     -103.14
   26 -42.733      42.733      103.14     -111.68
   27 -35.617      35.617      111.68     -118.81
   28 -28.250      28.250      118.81     -124.46
   29 -20.667      20.667      124.46     -128.59
   30 -12.834      12.834      128.59     -131.16
   31 -4.7979      4.7979      131.16     -132.12
   32  3.4866     -3.4866      132.12     -131.42
   33  11.990     -11.990      131.42     -129.02
   34  20.740     -20.740      129.02     -124.87
   35  29.710     -29.710      124.87     -118.93
   36  38.925     -38.925      118.93     -111.15
   37  48.360     -48.360      111.15     -101.47
   38  58.040     -58.040      101.47     -89.866
   39  67.930     -67.930      89.866     -76.280
   40  78.065     -78.065      76.280     -60.667
   41  88.421     -88.421      60.667     -42.983
   42  99.020     -99.020      42.983     -23.178
   43  109.84     -109.84      23.178     -1.2104
   44  120.90     -120.90      1.2104      22.971
   45  130.66     -130.66     -22.971      49.102
   46  137.57     -137.57     -49.102      76.615
   47  141.63     -141.63     -76.615      104.94
   48  142.87     -142.87     -104.94      133.51
   49  141.25     -141.25     -133.51      161.77
   50  136.81     -136.81     -161.77      189.13
   51  129.52     -129.52     -189.13      215.03
   52  119.40     -119.40     -215.03      238.91
   53  108.09     -108.09     -238.91      260.53
   54  96.807     -96.807     -260.53      279.89
   55  85.539     -85.539     -279.89      297.00
   56  74.295     -74.295     -297.00      311.86
   57  63.052     -63.052     -311.86      324.47
   58  51.818     -51.818     -324.47      334.83
   59  40.967     -40.967     -334.83      343.02
   60  30.975     -30.975     -343.02      349.22
   61  21.766     -21.766     -349.22      353.57
   62  13.340     -13.340     -353.57      356.24
   63  5.6323     -5.6323     -356.24      357.37
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   64 -10.244      10.244     -357.37      355.32
   65 -25.953      25.953     -355.32      350.13
   66 -40.868      40.868     -350.13      341.95
   67 -53.797      53.797     -341.95      331.20
   68 -64.840      64.840     -331.20      318.23
   69 -74.146      74.146     -318.23      303.40
   70 -81.796      81.796     -303.40      287.04
   71 -87.918      87.918     -287.04      269.46
   72 -92.591      92.591     -269.46      250.94
   73 -95.932      95.932     -250.94      231.75
   74 -98.007      98.007     -231.75      212.15
   75 -98.916      98.916     -212.15      192.37
   76 -98.723      98.723     -192.37      172.62
   77 -97.504      97.504     -172.62      153.12
   78 -95.299      95.299     -153.12      134.06
   79 -92.182      92.182     -134.06      115.62
   80 -88.177      88.177     -115.62      97.989
   81 -83.344      83.344     -97.989      81.320
   82 -77.697      77.697     -81.320      65.781
   83 -71.282      71.282     -65.781      51.525
   84 -64.110      64.110     -51.525      38.702
   85 -56.209      56.209     -38.702      27.460
   86 -47.574      47.574     -27.460      17.945
   87 -38.231      38.231     -17.945      10.299
   88 -28.167      28.167     -10.299      4.6659
   89 -17.404      17.404     -4.6659      1.1850
   90 -5.9252      5.9252     -1.1850     6.69920E-12


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------
ANCHOR    1   151.12     -6.68821E-04  2.10471E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1032E+07 RIMNOR=0.5498E+07
           RENORM=0.2568E+05 REMNOR=0.1758E-17 RATIO =0.1578     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 357.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1032E+07 RDR   =0.5498E+07
           RATIOT=0.1578     RATIOR= 0.000
           MAX UN= 1.060     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-160.0     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
```

```
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1032E+07 RIMNOR=0.5498E+07
           RENORM= 3.981     REMNOR=0.1584E-17 RATIO =0.1964E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 357.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1032E+07 RDR   =0.5498E+07
           RATIOT=0.1964E-02 RATIOR= 0.000
           MAX UN= 1.023     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1032E+07 RIMNOR=0.5498E+07
           RENORM=0.6051     REMNOR=0.1802E-17 RATIO =0.7657E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 357.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1032E+07 RDR   =0.5498E+07
           RATIOT=0.7657E-03 RATIOR= 0.000
           MAX UN=0.5748     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.5612E-08 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1032E+07 RIMNOR=0.5498E+07
           RENORM=0.1117E-01 REMNOR=0.1806E-17 RATIO =0.1041E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 357.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1032E+07 RDR   =0.5498E+07
           RATIOT=0.1041E-03 RATIOR= 0.000
           MAX UN=0.1057     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.3216E-02 IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1032E+07 RIMNOR=0.5498E+07
           RENORM=0.4883E-15 REMNOR=0.1843E-17 RATIO =0.2175E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 161.0     RMMAX = 357.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1032E+07 RDR   =0.5498E+07
           RATIOT=0.2175E-10 RATIOR= 0.000
           MAX UN=0.1070E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.7622E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   3.4427613E-02  -2.6596990E-03
    2   3.3895675E-02  -2.6596725E-03
    3   3.3363751E-02  -2.6595495E-03
    4   3.2831868E-02  -2.6592396E-03
    5   3.2300074E-02  -2.6586386E-03
    6   3.1768440E-02  -2.6576288E-03
    7   3.1237059E-02  -2.6560804E-03
    8   3.0706053E-02  -2.6538520E-03
    9   3.0175573E-02  -2.6507904E-03
   10   2.9645803E-02  -2.6467325E-03
   11   2.9116958E-02  -2.6415046E-03
   12   2.8589291E-02  -2.6349218E-03
   13   2.8063093E-02  -2.6267877E-03
   14   2.7538694E-02  -2.6168946E-03
   15   2.7016467E-02  -2.6050236E-03
   16   2.6496831E-02  -2.5909448E-03
```

17	2.5980020E-02	-2.5778957E-03
18	2.5465390E-02	-2.5690990E-03
19	2.4952116E-02	-2.5642797E-03
20	2.4439432E-02	-2.5631445E-03
21	2.3926633E-02	-2.5653821E-03
22	2.3413076E-02	-2.5706629E-03
23	2.2898188E-02	-2.5786394E-03
24	2.2381468E-02	-2.5889462E-03
25	2.1862482E-02	-2.6012008E-03
26	2.1340884E-02	-2.6150032E-03
27	2.0816406E-02	-2.6299362E-03
28	2.0288864E-02	-2.6455650E-03
29	1.9758166E-02	-2.6614378E-03
30	1.9224306E-02	-2.6770862E-03
31	1.8687379E-02	-2.6920247E-03
32	1.8147577E-02	-2.7057517E-03
33	1.7605194E-02	-2.7177500E-03
34	1.7060628E-02	-2.7274862E-03
35	1.6514389E-02	-2.7344116E-03
36	1.5967091E-02	-2.7379621E-03
37	1.5419468E-02	-2.7375590E-03
38	1.4872370E-02	-2.7326089E-03
39	1.4326768E-02	-2.7225047E-03
40	1.3783756E-02	-2.7066263E-03
41	1.3244547E-02	-2.6843405E-03
42	1.2710479E-02	-2.6550016E-03
43	1.2182795E-02	-2.6217766E-03
44	1.1661820E-02	-2.5878200E-03
45	1.1147764E-02	-2.5524535E-03
46	1.0640978E-02	-2.5149924E-03
47	1.0141948E-02	-2.4748164E-03
48	9.6512651E-03	-2.4314411E-03
49	9.1696099E-03	-2.3845220E-03
50	8.6977087E-03	-2.3338540E-03
51	8.2363224E-03	-2.2793738E-03
52	7.7862037E-03	-2.2211580E-03
53	7.3480891E-03	-2.1594267E-03
54	6.9226460E-03	-2.0945009E-03
55	6.5104780E-03	-2.0267368E-03
56	6.1121164E-03	-1.9564970E-03
57	5.7280196E-03	-1.8841509E-03
58	5.3585714E-03	-1.8100748E-03
59	5.0040794E-03	-1.7346525E-03
60	4.6647747E-03	-1.6582657E-03
61	4.3408134E-03	-1.5812746E-03
62	4.0322833E-03	-1.5040072E-03
63	3.7392091E-03	-1.4267621E-03
64	3.4615590E-03	-1.3498088E-03
65	3.1992385E-03	-1.2735607E-03
66	2.9520493E-03	-1.1985928E-03
67	2.7196782E-03	-1.1254735E-03
68	2.5017127E-03	-1.0547246E-03
69	2.2976124E-03	-9.8678068E-04
70	2.1067885E-03	-9.2201537E-04
71	1.9285741E-03	-8.6073199E-04
72	1.7622475E-03	-8.0317145E-04
73	1.6070451E-03	-7.4951653E-04
74	1.4621720E-03	-6.9989590E-04
75	1.3268126E-03	-6.5438788E-04
76	1.2001406E-03	-6.1302381E-04
77	1.0813276E-03	-5.7579147E-04
78	9.6955206E-04	-5.4263784E-04
79	8.6400666E-04	-5.1347151E-04
80	7.6390614E-04	-4.8816491E-04
81	6.6849417E-04	-4.6655627E-04
82	5.7705005E-04	-4.4845137E-04
83	4.8889505E-04	-4.3362495E-04
84	4.0339851E-04	-4.2182196E-04
85	3.1997949E-04	-4.1275830E-04
86	2.3812909E-04	-4.0612331E-04
87	1.5739090E-04	-4.0157741E-04
88	7.7383260E-05	-3.9875450E-04
89	-2.1995794E-06	-3.9726170E-04
90	-8.1582127E-05	-3.9667949E-04
91	-1.6090236E-04	-3.9656197E-04

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                          |
|                                    Exe Time :29 July 2019      17:58:40                                    |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.117	-3.4428E-02	36.74	11.17	36.74	18.91	ACTIVE	0.000	0.000	0.000	1.000	1.000	11.17	0.000	0.000	Strato1_2_8_L_0
2 D	1.831	-3.3896E-02	30.12	9.156	30.12	15.81	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	9.156	0.000	0.000	Strato1_2_8_L_0
3 D	1.977	-3.3364E-02	32.52	9.885	32.52	16.80	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.885	0.000	0.000	Strato1_2_8_L_0
4 D	2.408	-3.2832E-02	39.60	12.04	39.60	19.93	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	12.04	0.000	0.000	Strato1_2_8_L_0
5 D	2.559	-3.2300E-02	42.10	12.80	42.10	20.97	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	12.80	0.000	0.000	Strato1_2_8_L_0
6 D	2.898	-3.1768E-02	47.67	14.49	47.67	23.41	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.49	0.000	0.000	Strato1_2_8_L_0
7 D	3.068	-3.1237E-02	50.46	15.34	50.46	24.58	ACTIVE	0.000	-1.200	0.000	1.000	1.000	15.34	0.000	0.000	Strato1_2_8_L_0
8 D	3.373	-3.0706E-02	55.48	16.86	55.48	26.76	ACTIVE	0.000	-1.400	0.000	1.000	1.000	16.86	0.000	0.000	Strato1_2_8_L_0
9 D	3.508	-3.0176E-02	57.70	17.54	57.70	27.67	ACTIVE	0.000	-1.600	0.000	1.000	1.000	17.54	0.000	0.000	Strato1_2_8_L_0
10 D	3.800	-2.9646E-02	62.50	19.00	62.50	29.75	ACTIVE	0.000	-1.800	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_2_8_L_0
11 D	3.995	-2.9117E-02	65.71	19.97	65.71	31.09	ACTIVE	0.000	-2.000	0.000	1.000	1.000	19.97	0.000	0.000	Strato1_2_8_L_0
12 D	4.274	-2.8589E-02	70.30	21.37	70.30	33.06	ACTIVE	0.000	-2.200	0.000	1.000	1.000	21.37	0.000	0.000	Strato1_2_8_L_0
13 D	4.474	-2.8063E-02	73.58	22.37	73.58	34.42	ACTIVE	0.000	-2.400	0.000	1.000	1.000	22.37	0.000	0.000	Strato1_2_8_L_0
14 D	4.745	-2.7539E-02	78.04	23.72	78.04	36.30	ACTIVE	0.000	-2.600	0.000	1.000	1.000	23.72	0.000	0.000	Strato1_2_8_L_0
15 D	4.948	-2.7016E-02	81.38	24.74	81.38	37.83	ACTIVE	0.000	-2.800	0.000	1.000	1.000	24.74	0.000	0.000	Strato1_2_8_L_0
16 D	5.225	-2.6497E-02	85.31	26.13	85.31	39.92	UL-RL	8781.	-3.000	0.000	1.000	1.000	26.13	0.000	0.000	Strato1_2_8_L_0
17 D	5.585	-2.5980E-02	88.73	27.92	88.73	41.73	UL-RL	8781.	-3.200	0.000	1.000	1.000	27.92	0.000	0.000	Strato1_2_8_L_0
18 D	5.997	-2.5465E-02	93.04	29.99	93.04	44.01	UL-RL	8781.	-3.400	0.000	1.000	1.000	29.99	0.000	0.000	Strato1_2_8_L_0
19 D	6.356	-2.4952E-02	96.49	31.78	96.49	45.84	UL-RL	8781.	-3.600	0.000	1.000	1.000	31.78	0.000	0.000	Strato1_2_8_L_0
20 D	6.762	-2.4439E-02	100.7	33.81	100.7	48.09	UL-RL	8781.	-3.800	0.000	1.000	1.000	33.81	0.000	0.000	Strato1_2_8_L_0
21 D	7.119	-2.3927E-02	104.2	35.59	104.2	49.94	UL-RL	8781.	-4.000	0.000	1.000	1.000	35.59	0.000	0.000	Strato1_2_8_L_0
22 D	7.518	-2.3413E-02	108.4	37.59	108.4	52.17	UL-RL	8781.	-4.200	0.000	1.000	1.000	37.59	0.000	0.000	Strato1_2_8_L_0
23 D	7.872	-2.2898E-02	111.9	39.36	111.9	54.02	UL-RL	8781.	-4.400	0.000	1.000	1.000	39.36	0.000	0.000	Strato1_2_8_L_0
24 D	8.247	-2.2381E-02	115.8	41.23	115.8	56.08	UL-RL	8781.	-4.600	0.000	1.000	1.000	41.23	0.000	0.000	Strato1_2_8_L_0
25 D	8.597	-2.1862E-02	119.3	42.99	119.3	57.95	UL-RL	8781.	-4.800	0.000	1.000	1.000	42.99	0.000	0.000	Strato1_2_8_L_0
26 D	8.982	-2.1341E-02	123.5	44.91	123.5	60.15	UL-RL	8781.	-5.000	0.000	1.000	1.000	44.91	0.000	0.000	Strato1_2_8_L_0
27 D	9.327	-2.0816E-02	127.0	46.63	127.0	62.03	UL-RL	8781.	-5.200	0.000	1.000	1.000	46.63	0.000	0.000	Strato1_2_8_L_0
28 D	9.702	-2.0289E-02	131.2	48.51	131.2	64.21	UL-RL	8781.	-5.400	0.000	1.000	1.000	48.51	0.000	0.000	Strato1_2_8_L_0
29 D	10.04	-1.9758E-02	134.7	50.20	134.7	66.10	UL-RL	8781.	-5.600	0.000	1.000	1.000	50.20	0.000	0.000	Strato1_2_8_L_0
30 D	10.40	-1.9224E-02	138.8	52.02	138.8	68.27	UL-RL	8781.	-5.800	0.000	1.000	1.000				

52.02	0.000	0.000	Strato1_2_8_L_0									
31 D	10.72	-1.8687E-02	142.2	53.60	142.2	70.06	UL-RL	8781.	-6.000	0.000	1.000	1.000
53.60	0.000	0.000	Strato1_2_8_L_0									
32 D	11.07	-1.8148E-02	146.3	55.36	146.3	72.22	UL-RL	8781.	-6.200	0.000	1.000	1.000
55.36	0.000	0.000	Strato1_2_8_L_0									
33 D	11.39	-1.7605E-02	149.9	56.95	149.9	74.12	UL-RL	8781.	-6.400	0.000	1.000	1.000
56.95	0.000	0.000	Strato1_2_8_L_0									
34 D	11.73	-1.7061E-02	153.9	58.64	153.9	76.28	UL-RL	8781.	-6.600	0.000	1.000	1.000
58.64	0.000	0.000	Strato1_2_8_L_0									
35 D	12.03	-1.6514E-02	157.5	60.15	157.5	78.19	UL-RL	8781.	-6.800	0.000	1.000	1.000
60.15	0.000	0.000	Strato1_2_8_L_0									
36 D	12.35	-1.5967E-02	161.6	61.76	161.6	80.33	UL-RL	8781.	-7.000	0.000	1.000	1.000
61.76	0.000	0.000	Strato1_2_8_L_0									
37 D	12.64	-1.5419E-02	165.2	63.18	165.2	82.25	UL-RL	8781.	-7.200	0.000	1.000	1.000
63.18	0.000	0.000	Strato1_2_8_L_0									
38 D	12.94	-1.4872E-02	169.2	64.69	169.2	84.38	UL-RL	8781.	-7.400	0.000	1.000	1.000
64.69	0.000	0.000	Strato1_2_8_L_0									
39 D	13.19	-1.4327E-02	172.7	65.96	172.7	86.21	UL-RL	8781.	-7.600	0.000	1.000	1.000
65.96	0.000	0.000	Strato1_2_8_L_0									
40 D	13.47	-1.3784E-02	176.7	67.34	176.7	88.34	UL-RL	8781.	-7.800	0.000	1.000	1.000
67.34	0.000	0.000	Strato1_2_8_L_0									
41 D	13.71	-1.3245E-02	180.3	68.54	180.3	90.27	UL-RL	8781.	-8.000	0.000	1.000	1.000
68.54	0.000	0.000	Strato1_2_8_L_0									
42 D	13.96	-1.2710E-02	184.3	69.79	184.3	92.40	UL-RL	8781.	-8.200	0.000	1.000	1.000
69.79	0.000	0.000	Strato1_2_8_L_0									
43 D	14.17	-1.2183E-02	188.0	70.85	188.0	94.33	UL-RL	8781.	-8.400	0.000	1.000	1.000
70.85	0.000	0.000	Strato1_2_8_L_0									
44 D	14.39	-1.1662E-02	192.0	71.95	192.0	96.45	UL-RL	8781.	-8.600	0.000	1.000	1.000
71.95	0.000	0.000	Strato1_2_8_L_0									
45 D	14.58	-1.1148E-02	195.6	72.88	195.6	98.38	UL-RL	8781.	-8.800	0.000	1.000	1.000
72.88	0.000	0.000	Strato1_2_8_L_0									
46 D	14.76	-1.0641E-02	199.5	73.82	199.5	100.4	UL-RL	8781.	-9.000	0.000	1.000	1.000
73.82	0.000	0.000	Strato1_2_8_L_0									
47 D	14.93	-1.0142E-02	203.1	74.65	203.1	102.4	UL-RL	8781.	-9.200	0.000	1.000	1.000
74.65	0.000	0.000	Strato1_2_8_L_0									
48 D	15.11	-9.6513E-03	207.1	75.54	207.1	104.5	UL-RL	8781.	-9.400	0.000	1.000	1.000
75.54	0.000	0.000	Strato1_2_8_L_0									
49 D	15.26	-9.1696E-03	210.8	76.30	210.8	106.4	UL-RL	8781.	-9.600	0.000	1.000	1.000
76.30	0.000	0.000	Strato1_2_8_L_0									
50 D	15.42	-8.6977E-03	214.7	77.12	214.7	108.5	UL-RL	8781.	-9.800	0.000	1.000	1.000
77.12	0.000	0.000	Strato1_2_8_L_0									
51 D	15.57	-8.2363E-03	218.4	77.83	218.4	110.5	UL-RL	8781.	-10.00	0.000	1.000	1.000
77.83	0.000	0.000	Strato1_2_8_L_0									
52 D	15.72	-7.7862E-03	222.4	78.60	222.4	112.6	UL-RL	8781.	-10.20	0.000	1.000	1.000
78.60	0.000	0.000	Strato1_2_8_L_0									
53 D	15.85	-7.3481E-03	226.0	79.27	226.0	114.5	UL-RL	8781.	-10.40	0.000	1.000	1.000
79.27	0.000	0.000	Strato1_2_8_L_0									
54 D	16.00	-6.9226E-03	229.9	79.98	229.9	116.5	UL-RL	8781.	-10.60	0.000	1.000	1.000
79.98	0.000	0.000	Strato1_2_8_L_0									
55 D	16.13	-6.5105E-03	233.6	80.63	233.6	118.5	UL-RL	8781.	-10.80	0.000	1.000	1.000
80.63	0.000	0.000	Strato1_2_8_L_0									
56 D	16.27	-6.1121E-03	237.5	81.37	237.5	120.6	UL-RL	8781.	-11.00	0.000	1.000	1.000
81.37	0.000	0.000	Strato1_2_8_L_0									
57 D	16.40	-5.7280E-03	241.2	82.01	241.2	122.5	UL-RL	8781.	-11.20	0.000	1.000	1.000
82.01	0.000	0.000	Strato1_2_8_L_0									
58 D	16.55	-5.3586E-03	245.1	82.74	245.1	124.6	UL-RL	8781.	-11.40	0.000	1.000	1.000
82.74	0.000	0.000	Strato1_2_8_L_0									
59 D	17.07	-5.0041E-03	248.8	85.37	248.8	126.6	UL-RL	8781.	-11.60	0.000	1.000	1.000
85.37	0.000	0.000	Strato1_2_8_L_0									
60 D	18.09	-4.6648E-03	252.8	90.43	252.8	128.7	UL-RL	8781.	-11.80	0.000	1.000	1.000
90.43	0.000	0.000	Strato1_2_8_L_0									
61 D	19.03	-4.3408E-03	256.4	95.15	256.4	130.6	UL-RL	8781.	-12.00	0.000	1.000	1.000
95.15	0.000	0.000	Strato1_2_8_L_0									
62 D	19.98	-4.0323E-03	260.3	99.91	260.3	132.7	UL-RL	8781.	-12.20	0.000	1.000	1.000
99.91	0.000	0.000	Strato1_2_8_L_0									
63 D	20.88	-3.7392E-03	264.0	104.4	264.0	134.6	UL-RL	8781.	-12.40	0.000	1.000	1.000
104.4	0.000	0.000	Strato1_2_8_L_0									
64 D	11.10	-3.4616E-03	267.9	55.50	267.9	129.0	UL-RL	2.4840E+04	-12.60	0.000	1.000	1.000
55.50	0.000	0.000	Strato2_3095_82743_L_0									
65 D	11.05	-3.1992E-03	271.8	55.27	271.8	130.9	UL-RL	2.4840E+04	-12.80	0.000	1.000	1.000
55.27	0.000	0.000	Strato2_3095_82743_L_0									
66 D	11.32	-2.9520E-03	276.0	56.62	276.0	133.0	UL-RL	2.4840E+04	-13.00	0.000	1.000	1.000
56.62	0.000	0.000	Strato2_3095_82743_L_0									
67 D	12.84	-2.7197E-03	279.9	64.18	279.9	134.9	UL-RL	2.4840E+04	-13.20	0.000	1.000	1.000
64.18	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.30	-2.5017E-03	284.0	71.49	284.0	137.0	UL-RL	2.4840E+04	-13.40	0.000	1.000	1.000
71.49	0.000	0.000	Strato2_3095_82743_L_0									
69 D	15.66	-2.2976E-03	287.8	78.30	287.8	138.9	UL-RL	2.4840E+04	-13.60	0.000	1.000	1.000
78.30	0.000	0.000	Strato2_3095_82743_L_0									
70 D	16.99	-2.1068E-03	291.9	84.93	291.9	141.0	UL-RL	2.4840E+04	-13.80	0.000	1.000	1.000
84.93	0.000	0.000	Strato2_3095_82743_L_0									
71 D	18.23	-1.9286E-03	295.8	91.15	295.8	142.9	UL-RL	2.4840E+04	-14.00	0.000	1.000	1.000
91.15	0.000	0.000	Strato2_3095_82743_L_0									
72 D	19.44	-1.7622E-03	299.9	97.18	299.9	145.0	UL-RL	2.4840E+04	-14.20	0.000	1.000	1.000
97.18	0.000	0.000	Strato2_3095_82743_L_0									

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
73	D	20.57	-1.6070E-03	303.8	102.8	303.8	146.9	UL-RL	2.4840E+04	-14.40	0.000	1.000	1.000	102.8	0.000	0.000	Strato2_3095_82743_L_0
74	D	21.67	-1.4622E-03	308.0	108.3	308.0	149.0	UL-RL	2.4840E+04	-14.60	0.000	1.000	1.000	108.3	0.000	0.000	Strato2_3095_82743_L_0
75	D	22.70	-1.3268E-03	311.9	113.5	311.9	150.9	UL-RL	2.4840E+04	-14.80	0.000	1.000	1.000	113.5	0.000	0.000	Strato2_3095_82743_L_0
76	D	23.71	-1.2001E-03	315.9	118.5	315.9	152.9	UL-RL	2.4840E+04	-15.00	0.000	1.000	1.000	118.5	0.000	0.000	Strato2_3095_82743_L_0
77	D	24.66	-1.0813E-03	319.8	123.3	319.8	154.9	UL-RL	2.4840E+04	-15.20	0.000	1.000	1.000	123.3	0.000	0.000	Strato2_3095_82743_L_0
78	D	25.60	-9.6955E-04	323.9	128.0	323.9	157.0	UL-RL	2.4840E+04	-15.40	0.000	1.000	1.000	128.0	0.000	0.000	Strato2_3095_82743_L_0
79	D	26.50	-8.6401E-04	327.8	132.5	327.8	158.9	UL-RL	2.4840E+04	-15.60	0.000	1.000	1.000	132.5	0.000	0.000	Strato2_3095_82743_L_0
80	D	27.38	-7.6391E-04	331.9	136.9	331.9	161.0	UL-RL	2.4840E+04	-15.80	0.000	1.000	1.000	136.9	0.000	0.000	Strato2_3095_82743_L_0
81	D	28.23	-6.6849E-04	335.9	141.1	335.9	162.9	UL-RL	2.4840E+04	-16.00	0.000	1.000	1.000	141.1	0.000	0.000	Strato2_3095_82743_L_0
82	D	29.07	-5.7705E-04	340.0	145.3	340.0	165.0	UL-RL	2.4840E+04	-16.20	0.000	1.000	1.000	145.3	0.000	0.000	Strato2_3095_82743_L_0
83	D	29.88	-4.8890E-04	343.9	149.4	343.9	166.9	UL-RL	2.4840E+04	-16.40	0.000	1.000	1.000	149.4	0.000	0.000	Strato2_3095_82743_L_0
84	D	30.69	-4.0340E-04	347.9	153.4	347.9	169.0	UL-RL	2.4840E+04	-16.60	0.000	1.000	1.000	153.4	0.000	0.000	Strato2_3095_82743_L_0
85	D	31.47	-3.1998E-04	351.8	157.4	351.8	170.9	UL-RL	2.4840E+04	-16.80	0.000	1.000	1.000	157.4	0.000	0.000	Strato2_3095_82743_L_0
86	D	32.27	-2.3813E-04	355.9	161.4	355.9	173.0	UL-RL	2.4840E+04	-17.00	0.000	1.000	1.000	161.4	0.000	0.000	Strato2_3095_82743_L_0
87	D	33.04	-1.5739E-04	359.8	165.2	359.8	174.9	UL-RL	2.4840E+04	-17.20	0.000	1.000	1.000	165.2	0.000	0.000	Strato2_3095_82743_L_0
88	D	33.83	-7.7383E-05	363.9	169.2	363.9	177.3	UL-RL	2.4840E+04	-17.40	0.000	1.000	1.000	169.2	0.000	0.000	Strato2_3095_82743_L_0
89	D	34.60	2.1996E-06	367.9	173.0	367.9	181.6	UL-RL	2.4840E+04	-17.60	0.000	1.000	1.000	173.0	0.000	0.000	Strato2_3095_82743_L_0
90	D	35.38	8.1582E-05	372.0	176.9	372.0	186.0	UL-RL	2.4840E+04	-17.80	0.000	1.000	1.000	176.9	0.000	0.000	Strato2_3095_82743_L_0
91	D	17.91	1.6090E-04	375.8	179.1	375.8	188.7	UL-RL	2.4840E+04	-18.00	0.000	1.000	1.000	179.1	0.000	0.000	Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1		0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2		0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3		0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4		0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5		0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6		0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7		0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8		0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9		0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10		0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available

11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	D	0.1191	1.1148E-02	1.900	0.5955	167.2	90.59	UL-RL	6094.	-8.800	0.000	1.000	1.000	0.5955	0.000	0.000	Strato1_2_8_L_0
46	D	3.091	1.0641E-02	5.700	15.45	171.0	92.50	UL-RL	6094.	-9.000	0.000	1.000	1.000	15.45	0.000	0.000	Strato1_2_8_L_0
47	D	6.201	1.0142E-02	9.500	31.00	174.8	94.48	UL-RL	6094.	-9.200	0.000	1.000	1.000	31.00	0.000	0.000	Strato1_2_8_L_0
48	D	9.316	9.6513E-03	13.30	46.58	178.6	96.45	UL-RL	6094.	-9.400	0.000	1.000	1.000	46.58	0.000	0.000	Strato1_2_8_L_0
49	D	12.44	9.1696E-03	17.10	62.18	182.4	98.44	UL-RL	6094.	-9.600	0.000	1.000	1.000	62.18	0.000	0.000	Strato1_2_8_L_0
50	D	15.56	8.6977E-03	20.90	77.81	186.2	100.4	UL-RL	6094.	-9.800	0.000	1.000	1.000	77.81	0.000	0.000	Strato1_2_8_L_0
51	D	18.69	8.2363E-03	24.70	93.45	190.0	102.4	UL-RL	6094.	-10.00	0.000	1.000	1.000	93.45	0.000	0.000	Strato1_2_8_L_0
52	D	21.82	7.7862E-03	28.50	109.1	193.8	115.2	UL-RL	6094.	-10.20	0.000	1.000	1.000	109.1	0.000	0.000	Strato1_2_8_L_0
53	D	23.29	7.3481E-03	32.30	116.5	197.6	122.2	UL-RL	6094.	-10.40	0.000	1.000	1.000				

116.5	0.000	0.000	Strato1_2_8_L_0									
54 D	23.56	6.9226E-03	36.10	117.8	201.4	123.3	UL-RL	6094.	-10.60	0.000	1.000	1.000
117.8	0.000	0.000	Strato1_2_8_L_0									
55 D	23.84	6.5105E-03	39.90	119.2	205.2	124.3	UL-RL	6094.	-10.80	0.000	1.000	1.000
119.2	0.000	0.000	Strato1_2_8_L_0									
56 D	24.12	6.1121E-03	43.70	120.6	209.0	125.4	UL-RL	6094.	-11.00	0.000	1.000	1.000
120.6	0.000	0.000	Strato1_2_8_L_0									
57 D	24.41	5.7280E-03	47.50	122.0	212.8	126.5	UL-RL	6094.	-11.20	0.000	1.000	1.000
122.0	0.000	0.000	Strato1_2_8_L_0									
58 D	24.70	5.3586E-03	51.30	123.5	216.6	127.7	UL-RL	6094.	-11.40	0.000	1.000	1.000
123.5	0.000	0.000	Strato1_2_8_L_0									
59 D	25.01	5.0041E-03	55.10	125.0	220.4	128.8	UL-RL	6094.	-11.60	0.000	1.000	1.000
125.0	0.000	0.000	Strato1_2_8_L_0									
60 D	25.31	4.6648E-03	58.90	126.6	224.2	130.1	UL-RL	6094.	-11.80	0.000	1.000	1.000
126.6	0.000	0.000	Strato1_2_8_L_0									
61 D	25.63	4.3408E-03	62.70	128.1	228.0	131.3	UL-RL	6094.	-12.00	0.000	1.000	1.000
128.1	0.000	0.000	Strato1_2_8_L_0									
62 D	25.95	4.0323E-03	66.50	129.7	231.8	132.6	UL-RL	6094.	-12.20	0.000	1.000	1.000
129.7	0.000	0.000	Strato1_2_8_L_0									
63 D	26.27	3.7392E-03	70.30	131.4	235.6	133.9	UL-RL	6094.	-12.40	0.000	1.000	1.000
131.4	0.000	0.000	Strato1_2_8_L_0									
64 D	23.12	3.4616E-03	74.10	115.6	239.4	120.6	UL-RL	1.3463E+04	-12.60	0.000	1.000	1.000
115.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.25	3.1992E-03	78.10	116.3	243.4	121.7	UL-RL	1.3463E+04	-12.80	0.000	1.000	1.000
116.3	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.07	2.9520E-03	82.10	115.4	247.4	123.7	UL-RL	1.3463E+04	-13.00	0.000	1.000	1.000
115.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.92	2.7197E-03	86.10	114.6	251.4	125.7	UL-RL	1.3463E+04	-13.20	0.000	1.000	1.000
114.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	22.81	2.5017E-03	90.10	114.1	255.4	127.7	UL-RL	1.3463E+04	-13.40	0.000	1.000	1.000
114.1	0.000	0.000	Strato2_3095_82743_L_0									
69 D	22.73	2.2976E-03	94.10	113.7	259.4	129.7	UL-RL	1.3463E+04	-13.60	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	22.69	2.1068E-03	98.10	113.4	263.4	131.7	UL-RL	1.3463E+04	-13.80	0.000	1.000	1.000
113.4	0.000	0.000	Strato2_3095_82743_L_0									
71 D	22.68	1.9286E-03	102.1	113.4	267.4	133.7	UL-RL	1.3463E+04	-14.00	0.000	1.000	1.000
113.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	22.69	1.7622E-03	106.1	113.5	271.4	135.7	UL-RL	1.3463E+04	-14.20	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
73 D	22.73	1.6070E-03	110.1	113.7	275.4	137.7	UL-RL	1.3463E+04	-14.40	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
74 D	22.80	1.4622E-03	114.1	114.0	279.4	139.7	UL-RL	1.3463E+04	-14.60	0.000	1.000	1.000
114.0	0.000	0.000	Strato2_3095_82743_L_0									
75 D	22.89	1.3268E-03	118.1	114.5	283.4	141.7	UL-RL	1.3463E+04	-14.80	0.000	1.000	1.000
114.5	0.000	0.000	Strato2_3095_82743_L_0									
76 D	23.00	1.2001E-03	122.1	115.0	287.4	143.7	UL-RL	1.3463E+04	-15.00	0.000	1.000	1.000
115.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	23.13	1.0813E-03	126.1	115.7	291.4	145.7	UL-RL	1.3463E+04	-15.20	0.000	1.000	1.000
115.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	23.28	9.6955E-04	130.1	116.4	295.4	147.7	UL-RL	1.3463E+04	-15.40	0.000	1.000	1.000
116.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.44	8.6401E-04	134.1	117.2	299.4	149.7	UL-RL	1.3463E+04	-15.60	0.000	1.000	1.000
117.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.62	7.6391E-04	138.1	118.1	303.4	151.7	UL-RL	1.3463E+04	-15.80	0.000	1.000	1.000
118.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.81	6.6849E-04	142.1	119.0	307.4	153.7	UL-RL	1.3463E+04	-16.00	0.000	1.000	1.000
119.0	0.000	0.000	Strato2_3095_82743_L_0									
82 D	24.00	5.7705E-04	146.1	120.0	311.4	155.7	UL-RL	1.3463E+04	-16.20	0.000	1.000	1.000
120.0	0.000	0.000	Strato2_3095_82743_L_0									
83 D	24.20	4.8890E-04	150.1	121.0	315.4	157.7	UL-RL	1.3463E+04	-16.40	0.000	1.000	1.000
121.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	24.41	4.0340E-04	154.1	122.1	319.4	159.7	UL-RL	1.3463E+04	-16.60	0.000	1.000	1.000
122.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	24.62	3.1998E-04	158.1	123.1	323.4	161.7	UL-RL	1.3463E+04	-16.80	0.000	1.000	1.000
123.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	24.84	2.3813E-04	162.1	124.2	327.4	163.7	UL-RL	1.3463E+04	-17.00	0.000	1.000	1.000
124.2	0.000	0.000	Strato2_3095_82743_L_0									
87 D	25.06	1.5739E-04	166.1	125.3	331.4	165.7	UL-RL	1.3463E+04	-17.20	0.000	1.000	1.000
125.3	0.000	0.000	Strato2_3095_82743_L_0									
88 D	25.27	7.7383E-05	170.1	126.4	335.4	167.7	UL-RL	1.3463E+04	-17.40	0.000	1.000	1.000
126.4	0.000	0.000	Strato2_3095_82743_L_0									
89 D	25.49	-2.1996E-06	174.1	127.5	339.4	169.7	UL-RL	1.3463E+04	-17.60	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
90 D	25.71	-8.1582E-05	178.1	128.6	343.4	171.7	UL-RL	1.3463E+04	-17.80	0.000	1.000	1.000
128.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	12.96	-1.6090E-04	182.1	129.6	347.4	173.7	UL-RL	1.3463E+04	-18.00	0.000	1.000	1.000
129.6	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.1169     -1.1169     7.03370E-10 0.22338
    2  2.9480     -2.9480    -0.22338     0.81299
    3  4.9250     -4.9250    -0.81299      1.7980
    4  7.3328     -7.3328     -1.7980      3.2645
    5  9.8922     -9.8922     -3.2645      5.2430
    6  12.790     -12.790     -5.2430      7.8011
    7  15.859     -15.859     -7.8011      10.973
    8  19.232     -19.232     -10.973      14.819
    9  22.740     -22.740     -14.819      19.367
   10  26.540     -26.540     -19.367      24.675
   11  30.535     -30.535     -24.675      30.782
   12  34.809     -34.809     -30.782      37.744
   13  39.283     -39.283     -37.744      45.601
   14  44.028     -44.028     -45.601      54.406
   15  48.976     -48.976     -54.406      64.201
   16 -92.353      92.353     -64.201      45.731
   17 -86.768      86.768     -45.731      28.377
   18 -80.771      80.771     -28.377      12.223
   19 -74.415      74.415     -12.223     -2.6599
   20 -67.653      67.653      2.6599     -16.191
   21 -60.534      60.534      16.191     -28.297
   22 -53.017      53.017      28.297     -38.901
   23 -45.145      45.145      38.901     -47.930
   24 -36.898      36.898      47.930     -55.309
   25 -28.301      28.301      55.309     -60.969
   26 -19.319      19.319      60.969     -64.833
   27 -9.9925      9.9925      64.833     -66.832
   28-0.29031     0.29031      66.832     -66.890
   29  9.7495     -9.7495      66.890     -64.940
   30  20.154     -20.154      64.940     -60.909
   31  30.874     -30.874      60.909     -54.734
   32  41.946     -41.946      54.734     -46.345
   33  53.336     -53.336      46.345     -35.678
   34  65.064     -65.064      35.678     -22.665
   35  77.094     -77.094      22.665     -7.2464
   36  89.446     -89.446      7.2464      10.643
   37  102.08     -102.08     -10.643      31.059
   38  115.02     -115.02     -31.059      54.063
   39  128.21     -128.21     -54.063      79.705
   40  141.68     -141.68     -79.705      108.04
   41  155.39     -155.39     -108.04      139.12
   42  8.3265     -8.3265     -139.12      140.78
   43  22.496     -22.496     -140.78      145.28
   44  36.886     -36.886     -145.28      152.66
   45  51.343     -51.343     -152.66      162.93
   46  63.016     -63.016     -162.93      175.53
   47  71.746     -71.746     -175.53      189.88
   48  77.538     -77.538     -189.88      205.39
   49  80.361     -80.361     -205.39      221.46
   50  80.225     -80.225     -221.46      237.51
   51  77.101     -77.101     -237.51      252.93
   52  71.001     -71.001     -252.93      267.13
   53  63.562     -63.562     -267.13      279.84
   54  55.996     -55.996     -279.84      291.04
   55  48.285     -48.285     -291.04      300.70
   56  40.439     -40.439     -300.70      308.78
   57  32.432     -32.432     -308.78      315.27
   58  24.276     -24.276     -315.27      320.13
   59  16.345     -16.345     -320.13      323.39
   60  9.1162     -9.1162     -323.39      325.22
   61  2.5166     -2.5166     -325.22      325.72
   62 -3.4504      3.4504     -325.72      325.03
   63 -8.8451      8.8451     -325.03      323.26
```

64	-20.860	20.860	-323.26	319.09
65	-33.061	33.061	-319.09	312.48
66	-44.808	44.808	-312.48	303.52
67	-54.895	54.895	-303.52	292.54
68	-63.408	63.408	-292.54	279.86
69	-70.483	70.483	-279.86	265.76
70	-76.185	76.185	-265.76	250.52
71	-80.630	80.630	-250.52	234.40
72	-83.885	83.885	-234.40	217.62
73	-86.050	86.050	-217.62	200.41
74	-87.183	87.183	-200.41	182.97
75	-87.371	87.371	-182.97	165.50
76	-86.667	86.667	-165.50	148.17
77	-85.139	85.139	-148.17	131.14
78	-82.817	82.817	-131.14	114.57
79	-79.765	79.765	-114.57	98.621
80	-76.003	76.003	-98.621	83.421
81	-71.583	71.583	-83.421	69.104
82	-66.515	66.515	-69.104	55.801
83	-60.839	60.839	-55.801	43.633
84	-54.565	54.565	-43.633	32.720
85	-47.715	47.715	-32.720	23.177
86	-40.283	40.283	-23.177	15.120
87	-32.294	32.294	-15.120	8.6614
88	-23.734	23.734	-8.6614	3.9147
89	-14.623	14.623	-3.9147	0.99010
90	-4.9505	4.9505	-0.99010	-1.28986E-12

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------
ANCHOR    1   151.72     -6.68821E-04  2.12746E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------
ANCHOR    1   166.70     -1.26416E-03 -1.26416E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7453E+06 RIMNOR=0.4976E+07
           RENORM= 9477.     REMNOR=0.1843E-17 RATIO =0.1128     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 161.0     RMMAX = 325.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.7453E+06 RDR   =0.4976E+07
           RATIOT=0.1128     RATIOR= 0.000
           MAX UN= 26.27     IEQ=    125 NODE     63 DOF   1  Y-DISPL.F
           MIN UN=-.7622E-08 IEQ=      9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER      2 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.7453E+06 RIMNOR=0.4976E+07
            RENORM= 864.6     REMNOR=0.3370E-17 RATIO =0.3406E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 325.7
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.7453E+06 RDR   =0.4976E+07
            RATIOT=0.3406E-01 RATIOR= 0.000
            MAX UN= 15.15     IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
            MIN UN=-.1104     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.7453E+06 RIMNOR=0.4976E+07
            RENORM= 169.3     REMNOR=0.2463E-17 RATIO =0.1507E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 325.7
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.7453E+06 RDR   =0.4976E+07
            RATIOT=0.1507E-01 RATIOR= 0.000
            MAX UN= 5.396     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
            MIN UN=-.4003     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.7453E+06 RIMNOR=0.4976E+07
            RENORM= 9.473     REMNOR=0.3833E-17 RATIO =0.3565E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 161.0     RMMAX = 325.7
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.7453E+06 RDR   =0.4976E+07
            RATIOT=0.3565E-02 RATIOR= 0.000
            MAX UN= 1.527     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
            MIN UN=-.9611     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.7453E+06 RIMNOR=0.4976E+07
            RENORM=0.8078E-15 REMNOR=0.1924E-17 RATIO =0.3292E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 161.0     RMMAX = 325.7
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.7453E+06 RDR   =0.4976E+07
            RATIOT=0.3292E-10 RATIOR= 0.000
            MAX UN=0.1193E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
            MIN UN=-.7423E-08 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3895497E-02  -1.5892850E-03
    2   3.3577642E-02  -1.5892549E-03
    3   3.3259802E-02  -1.5891209E-03
    4   3.2942006E-02  -1.5887955E-03
    5   3.2624303E-02  -1.5881816E-03
    6   3.2306760E-02  -1.5871788E-03
    7   3.1989464E-02  -1.5856851E-03
    8   3.1672526E-02  -1.5835878E-03
    9   3.1356078E-02  -1.5807627E-03
   10   3.1040278E-02  -1.5770754E-03
   11   3.0725314E-02  -1.5723812E-03
   12   3.0411403E-02  -1.5665240E-03
   13   3.0098794E-02  -1.5593363E-03
   14   2.9787769E-02  -1.5506392E-03
   15   2.9478651E-02  -1.5402429E-03
   16   2.9171799E-02  -1.5279460E-03
   17   2.8867371E-02  -1.5171721E-03
   18   2.8564601E-02  -1.5113341E-03
   19   2.8262524E-02  -1.5101984E-03
   20   2.7960224E-02  -1.5135205E-03
   21   2.7656836E-02  -1.5210444E-03
   22   2.7351544E-02  -1.5325032E-03
   23   2.7043591E-02  -1.5476187E-03
   24   2.6732274E-02  -1.5661018E-03
   25   2.6416947E-02  -1.5876528E-03
   26   2.6097029E-02  -1.6119609E-03
   27   2.5772000E-02  -1.6387046E-03
   28   2.5441407E-02  -1.6675511E-03
   29   2.5104864E-02  -1.6981564E-03
   30   2.4762052E-02  -1.7301659E-03
   31   2.4412729E-02  -1.7632136E-03
   32   2.4056723E-02  -1.7969226E-03
   33   2.3693941E-02  -1.8309054E-03
   34   2.3324369E-02  -1.8647637E-03
   35   2.2948073E-02  -1.8980875E-03
   36   2.2565200E-02  -1.9304566E-03
   37   2.2175983E-02  -1.9614390E-03
   38   2.1780746E-02  -1.9905921E-03
   39   2.1379899E-02  -2.0174619E-03
   40   2.0973946E-02  -2.0415838E-03
   41   2.0563482E-02  -2.0624827E-03
   42   2.0149192E-02  -2.0796722E-03
   43   1.9731584E-02  -2.0971712E-03
   44   1.9310038E-02  -2.1189884E-03
   45   1.8883738E-02  -2.1446046E-03
   46   1.8451978E-02  -2.1734889E-03
   47   1.8014160E-02  -2.2051000E-03
   48   1.7569793E-02  -2.2388857E-03
   49   1.7118501E-02  -2.2742826E-03
   50   1.6660013E-02  -2.3107166E-03
   51   1.6194184E-02  -2.3476024E-03
   52   1.5720977E-02  -2.3843438E-03
   53   1.5240492E-02  -2.4203329E-03
   54   1.4752936E-02  -2.4549516E-03
   55   1.4258645E-02  -2.4875707E-03
   56   1.3758083E-02  -2.5175500E-03
   57   1.3251844E-02  -2.5442386E-03
   58   1.2740651E-02  -2.5669742E-03
   59   1.2225363E-02  -2.5850838E-03
   60   1.1706972E-02  -2.5978832E-03
   61   1.1186610E-02  -2.6046772E-03
   62   1.0665548E-02  -2.6047598E-03
   63   1.0145201E-02  -2.5974141E-03
   64   9.6271265E-03  -2.5819123E-03
   65   9.1129868E-03  -2.5581525E-03
   66   8.6043736E-03  -2.5267715E-03
   67   8.1027296E-03  -2.4886205E-03
```

68	7.6093371E-03	-2.4446632E-03
69	7.1252125E-03	-2.3958540E-03
70	6.6512555E-03	-2.3431439E-03
71	6.1881525E-03	-2.2874700E-03
72	5.7364034E-03	-2.2297578E-03
73	5.2963244E-03	-2.1709205E-03
74	4.8680501E-03	-2.1118595E-03
75	4.4515363E-03	-2.0534637E-03
76	4.0465618E-03	-1.9966106E-03
77	3.6527319E-03	-1.9421600E-03
78	3.2694846E-03	-1.8909070E-03
79	2.8961114E-03	-1.8435182E-03
80	2.5317851E-03	-1.8005124E-03
81	2.1755893E-03	-1.7622637E-03
82	1.8265470E-03	-1.7290045E-03
83	1.4836487E-03	-1.7008277E-03
84	1.1458800E-03	-1.6776893E-03
85	8.1223241E-04	-1.6594096E-03
86	4.8179630E-04	-1.6456778E-03
87	1.5368784E-04	-1.6360480E-03
88	-1.7285793E-04	-1.6299437E-03
89	-4.9847752E-04	-1.6266574E-03
90	-8.2365302E-04	-1.6253531E-03
91	-1.1486878E-03	-1.6250842E-03

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 6.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.269	-3.3895E-02	26.74	12.69	36.74	20.41	UL-RL	8488.	0.000	0.000	1.000	1.000	12.69	0.000	0.000	Strato1_2_8_L_0
2 D	1.835	-3.3578E-02	20.12	9.173	30.12	17.15	UL-RL	8488.	-0.2000	0.000	1.000	1.000	9.173	0.000	0.000	Strato1_2_8_L_0
3 D	1.861	-3.3260E-02	22.52	9.303	32.52	17.53	UL-RL	8488.	-0.4000	0.000	1.000	1.000	9.303	0.000	0.000	Strato1_2_8_L_0
4 D	2.221	-3.2942E-02	29.60	11.10	39.60	19.93	UL-RL	8488.	-0.6000	0.000	1.000	1.000	11.10	0.000	0.000	Strato1_2_8_L_0
5 D	2.009	-3.2624E-02	32.10	10.04	42.10	20.97	UL-RL	8488.	-0.8000	0.000	1.000	1.000	10.04	0.000	0.000	Strato1_2_8_L_0
6 D	2.290	-3.2307E-02	37.67	11.45	47.67	23.41	ACTIVE	0.000	-1.000	0.000	1.000	1.000	11.45	0.000	0.000	Strato1_2_8_L_0
7 D	2.460	-3.1989E-02	40.46	12.30	50.46	24.58	ACTIVE	0.000	-1.200	0.000	1.000	1.000	12.30	0.000	0.000	Strato1_2_8_L_0
8 D	2.765	-3.1673E-02	45.48	13.82	55.48	26.76	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.82	0.000	0.000	Strato1_2_8_L_0
9 D	2.900	-3.1356E-02	47.70	14.50	57.70	27.67	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.50	0.000	0.000	Strato1_2_8_L_0
10 D	3.192	-3.1040E-02	52.50	15.96	62.50	29.75	ACTIVE	0.000	-1.800	0.000	1.000	1.000	15.96	0.000	0.000	Strato1_2_8_L_0
11 D	3.387	-3.0725E-02	55.71	16.93	65.71	31.09	ACTIVE	0.000	-2.000	0.000	1.000	1.000	16.93	0.000	0.000	Strato1_2_8_L_0
12 D	3.666	-3.0411E-02	60.30	18.33	70.30	33.06	ACTIVE	0.000	-2.200	0.000	1.000	1.000	18.33	0.000	0.000	Strato1_2_8_L_0
13 D	3.866	-3.0099E-02	63.58	19.33	73.58	34.42	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.33	0.000	0.000	Strato1_2_8_L_0
14 D	4.137	-2.9788E-02	68.04	20.68	78.04	36.30	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.68	0.000	0.000	Strato1_2_8_L_0
15 D	4.340	-2.9479E-02	71.38	21.70	81.38	37.83	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.70	0.000	0.000	Strato1_2_8_L_0
16 D	4.579	-2.9172E-02	75.31	22.90	85.31	39.92	ACTIVE	0.000	-3.000	0.000	1.000	1.000	22.90	0.000	0.000	Strato1_2_8_L_0
17 D	4.787	-2.8867E-02	78.73	23.93	88.73	41.73	ACTIVE	0.000	-3.200	0.000	1.000	1.000	23.93	0.000	0.000	Strato1_2_8_L_0

18 D	5.049	-2.8565E-02	83.04	25.24	93.04	44.01	ACTIVE	0.000	-3.400	0.000	1.000	1.000
25.24	0.000	0.000	Strato1_2_8_L_0									
19 D	5.259	-2.8263E-02	86.49	26.29	96.49	45.84	ACTIVE	0.000	-3.600	0.000	1.000	1.000
26.29	0.000	0.000	Strato1_2_8_L_0									
20 D	5.517	-2.7960E-02	90.74	27.59	100.7	48.09	ACTIVE	0.000	-3.800	0.000	1.000	1.000
27.59	0.000	0.000	Strato1_2_8_L_0									
21 D	5.729	-2.7657E-02	94.22	28.64	104.2	49.94	ACTIVE	0.000	-4.000	0.000	1.000	1.000
28.64	0.000	0.000	Strato1_2_8_L_0									
22 D	5.984	-2.7352E-02	98.43	29.92	108.4	52.17	ACTIVE	0.000	-4.200	0.000	1.000	1.000
29.92	0.000	0.000	Strato1_2_8_L_0									
23 D	6.197	-2.7044E-02	101.9	30.99	111.9	54.02	ACTIVE	0.000	-4.400	0.000	1.000	1.000
30.99	0.000	0.000	Strato1_2_8_L_0									
24 D	6.433	-2.6732E-02	105.8	32.17	115.8	56.08	ACTIVE	0.000	-4.600	0.000	1.000	1.000
32.17	0.000	0.000	Strato1_2_8_L_0									
25 D	6.648	-2.6417E-02	109.3	33.24	119.3	57.95	ACTIVE	0.000	-4.800	0.000	1.000	1.000
33.24	0.000	0.000	Strato1_2_8_L_0									
26 D	6.900	-2.6097E-02	113.5	34.50	123.5	60.15	ACTIVE	0.000	-5.000	0.000	1.000	1.000
34.50	0.000	0.000	Strato1_2_8_L_0									
27 D	7.116	-2.5772E-02	117.0	35.58	127.0	62.03	ACTIVE	0.000	-5.200	0.000	1.000	1.000
35.58	0.000	0.000	Strato1_2_8_L_0									
28 D	7.367	-2.5441E-02	121.2	36.83	131.2	64.21	ACTIVE	0.000	-5.400	0.000	1.000	1.000
36.83	0.000	0.000	Strato1_2_8_L_0									
29 D	7.583	-2.5105E-02	124.7	37.92	134.7	66.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000
37.92	0.000	0.000	Strato1_2_8_L_0									
30 D	7.832	-2.4762E-02	128.8	39.16	138.8	68.27	ACTIVE	0.000	-5.800	0.000	1.000	1.000
39.16	0.000	0.000	Strato1_2_8_L_0									
31 D	8.037	-2.4413E-02	132.2	40.18	142.2	70.06	ACTIVE	0.000	-6.000	0.000	1.000	1.000
40.18	0.000	0.000	Strato1_2_8_L_0									
32 D	8.285	-2.4057E-02	136.3	41.42	146.3	72.22	ACTIVE	0.000	-6.200	0.000	1.000	1.000
41.42	0.000	0.000	Strato1_2_8_L_0									
33 D	8.503	-2.3694E-02	139.9	42.52	149.9	74.12	ACTIVE	0.000	-6.400	0.000	1.000	1.000
42.52	0.000	0.000	Strato1_2_8_L_0									
34 D	8.750	-2.3324E-02	143.9	43.75	153.9	76.28	ACTIVE	0.000	-6.600	0.000	1.000	1.000
43.75	0.000	0.000	Strato1_2_8_L_0									
35 D	8.970	-2.2948E-02	147.5	44.85	157.5	78.19	ACTIVE	0.000	-6.800	0.000	1.000	1.000
44.85	0.000	0.000	Strato1_2_8_L_0									
36 D	9.215	-2.2565E-02	151.6	46.08	161.6	80.33	ACTIVE	0.000	-7.000	0.000	1.000	1.000
46.08	0.000	0.000	Strato1_2_8_L_0									
37 D	9.435	-2.2176E-02	155.2	47.18	165.2	82.25	ACTIVE	0.000	-7.200	0.000	1.000	1.000
47.18	0.000	0.000	Strato1_2_8_L_0									
38 D	9.680	-2.1781E-02	159.2	48.40	169.2	84.38	ACTIVE	0.000	-7.400	0.000	1.000	1.000
48.40	0.000	0.000	Strato1_2_8_L_0									
39 D	9.890	-2.1380E-02	162.7	49.45	172.7	86.21	ACTIVE	0.000	-7.600	0.000	1.000	1.000
49.45	0.000	0.000	Strato1_2_8_L_0									
40 D	10.13	-2.0974E-02	166.7	50.67	176.7	88.34	ACTIVE	0.000	-7.800	0.000	1.000	1.000
50.67	0.000	0.000	Strato1_2_8_L_0									
41 D	10.36	-2.0563E-02	170.3	51.78	180.3	90.27	ACTIVE	0.000	-8.000	0.000	1.000	1.000
51.78	0.000	0.000	Strato1_2_8_L_0									
42 D	10.60	-2.0149E-02	174.3	53.00	184.3	92.40	ACTIVE	0.000	-8.200	0.000	1.000	1.000
53.00	0.000	0.000	Strato1_2_8_L_0									
43 D	10.82	-1.9732E-02	178.0	54.10	188.0	94.33	ACTIVE	0.000	-8.400	0.000	1.000	1.000
54.10	0.000	0.000	Strato1_2_8_L_0									
44 D	11.06	-1.9310E-02	182.0	55.32	192.0	96.45	ACTIVE	0.000	-8.600	0.000	1.000	1.000
55.32	0.000	0.000	Strato1_2_8_L_0									
45 D	11.29	-1.8884E-02	185.6	56.43	195.6	98.38	ACTIVE	0.000	-8.800	0.000	1.000	1.000
56.43	0.000	0.000	Strato1_2_8_L_0									
46 D	11.52	-1.8452E-02	189.5	57.60	199.5	100.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000
57.60	0.000	0.000	Strato1_2_8_L_0									
47 D	11.74	-1.8014E-02	193.1	58.71	203.1	102.4	ACTIVE	0.000	-9.200	0.000	1.000	1.000
58.71	0.000	0.000	Strato1_2_8_L_0									
48 D	11.98	-1.7570E-02	197.1	59.92	207.1	104.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000
59.92	0.000	0.000	Strato1_2_8_L_0									
49 D	12.21	-1.7119E-02	200.8	61.03	210.8	106.4	ACTIVE	0.000	-9.600	0.000	1.000	1.000
61.03	0.000	0.000	Strato1_2_8_L_0									
50 D	12.45	-1.6660E-02	204.7	62.24	214.7	108.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000
62.24	0.000	0.000	Strato1_2_8_L_0									
51 D	12.67	-1.6194E-02	208.4	63.36	218.4	110.5	ACTIVE	0.000	-10.00	0.000	1.000	1.000
63.36	0.000	0.000	Strato1_2_8_L_0									
52 D	12.91	-1.5721E-02	212.4	64.56	222.4	112.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000
64.56	0.000	0.000	Strato1_2_8_L_0									
53 D	13.14	-1.5240E-02	216.0	65.68	226.0	114.5	ACTIVE	0.000	-10.40	0.000	1.000	1.000
65.68	0.000	0.000	Strato1_2_8_L_0									
54 D	13.37	-1.4753E-02	219.9	66.84	229.9	116.5	ACTIVE	0.000	-10.60	0.000	1.000	1.000
66.84	0.000	0.000	Strato1_2_8_L_0									
55 D	13.59	-1.4259E-02	223.6	67.96	233.6	118.5	ACTIVE	0.000	-10.80	0.000	1.000	1.000
67.96	0.000	0.000	Strato1_2_8_L_0									
56 D	13.83	-1.3758E-02	227.5	69.17	237.5	120.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000
69.17	0.000	0.000	Strato1_2_8_L_0									
57 D	14.06	-1.3252E-02	231.2	70.28	241.2	122.5	ACTIVE	0.000	-11.20	0.000	1.000	1.000
70.28	0.000	0.000	Strato1_2_8_L_0									
58 D	14.30	-1.2741E-02	235.1	71.49	245.1	124.6	ACTIVE	0.000	-11.40	0.000	1.000	1.000
71.49	0.000	0.000	Strato1_2_8_L_0									
59 D	14.52	-1.2225E-02	238.8	72.61	248.8	126.6	ACTIVE	0.000	-11.60	0.000	1.000	1.000
72.61	0.000	0.000	Strato1_2_8_L_0									
60 D	14.76	-1.1707E-02	242.8	73.80	252.8	128.7	ACTIVE	0.000	-11.80	0.000	1.000	1.000

73.80	0.000	0.000	Strato1_2_8_L_0										
61 D	14.98	-1.1187E-02	246.4	74.89	256.4	130.6	ACTIVE	0.000	-12.00	0.000	1.000	1.000	
74.89	0.000	0.000	Strato1_2_8_L_0										
62 D	15.22	-1.0666E-02	250.3	76.09	260.3	132.7	ACTIVE	0.000	-12.20	0.000	1.000	1.000	
76.09	0.000	0.000	Strato1_2_8_L_0										
63 D	15.44	-1.0145E-02	254.0	77.21	264.0	134.6	ACTIVE	0.000	-12.40	0.000	1.000	1.000	
77.21	0.000	0.000	Strato1_2_8_L_0										
64 D	8.244	-9.6271E-03	257.9	41.22	267.9	129.0	ACTIVE	0.000	-12.60	0.000	1.000	1.000	
41.22	0.000	0.000	Strato2_3095_82743_L_0										
65 D	8.428	-9.1130E-03	261.8	42.14	271.8	130.9	ACTIVE	0.000	-12.80	0.000	1.000	1.000	
42.14	0.000	0.000	Strato2_3095_82743_L_0										
66 D	8.622	-8.6044E-03	266.0	43.11	276.0	133.0	ACTIVE	0.000	-13.00	0.000	1.000	1.000	
43.11	0.000	0.000	Strato2_3095_82743_L_0										
67 D	8.805	-8.1027E-03	269.9	44.03	279.9	134.9	ACTIVE	0.000	-13.20	0.000	1.000	1.000	
44.03	0.000	0.000	Strato2_3095_82743_L_0										
68 D	8.999	-7.6093E-03	274.0	44.99	284.0	137.0	ACTIVE	0.000	-13.40	0.000	1.000	1.000	
44.99	0.000	0.000	Strato2_3095_82743_L_0										
69 D	9.178	-7.1252E-03	277.8	45.89	287.8	138.9	ACTIVE	0.000	-13.60	0.000	1.000	1.000	
45.89	0.000	0.000	Strato2_3095_82743_L_0										
70 D	9.372	-6.6513E-03	281.9	46.86	291.9	141.0	ACTIVE	0.000	-13.80	0.000	1.000	1.000	
46.86	0.000	0.000	Strato2_3095_82743_L_0										
71 D	9.555	-6.1882E-03	285.8	47.78	295.8	142.9	ACTIVE	0.000	-14.00	0.000	1.000	1.000	
47.78	0.000	0.000	Strato2_3095_82743_L_0										
72 D	9.749	-5.7364E-03	289.9	48.74	299.9	145.0	ACTIVE	0.000	-14.20	0.000	1.000	1.000	
48.74	0.000	0.000	Strato2_3095_82743_L_0										
73 D	9.932	-5.2963E-03	293.8	49.66	303.8	146.9	ACTIVE	0.000	-14.40	0.000	1.000	1.000	
49.66	0.000	0.000	Strato2_3095_82743_L_0										
74 D	10.13	-4.8681E-03	298.0	50.63	308.0	149.0	ACTIVE	0.000	-14.60	0.000	1.000	1.000	
50.63	0.000	0.000	Strato2_3095_82743_L_0										
75 D	10.31	-4.4515E-03	301.9	51.55	311.9	150.9	ACTIVE	0.000	-14.80	0.000	1.000	1.000	
51.55	0.000	0.000	Strato2_3095_82743_L_0										
76 D	10.50	-4.0466E-03	305.9	52.49	315.9	152.9	ACTIVE	0.000	-15.00	0.000	1.000	1.000	
52.49	0.000	0.000	Strato2_3095_82743_L_0										
77 D	11.81	-3.6527E-03	309.8	59.05	319.8	154.9	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000	
59.05	0.000	0.000	Strato2_3095_82743_L_0										
78 D	14.06	-3.2695E-03	313.9	70.28	323.9	157.0	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000	
70.28	0.000	0.000	Strato2_3095_82743_L_0										
79 D	16.23	-2.8961E-03	317.8	81.17	327.8	158.9	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000	
81.17	0.000	0.000	Strato2_3095_82743_L_0										
80 D	18.39	-2.5318E-03	321.9	91.94	331.9	161.0	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	
91.94	0.000	0.000	Strato2_3095_82743_L_0										
81 D	20.48	-2.1756E-03	325.9	102.4	335.9	162.9	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	
102.4	0.000	0.000	Strato2_3095_82743_L_0										
82 D	22.56	-1.8265E-03	330.0	112.8	340.0	165.0	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	
112.8	0.000	0.000	Strato2_3095_82743_L_0										
83 D	24.60	-1.4836E-03	333.9	123.0	343.9	166.9	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	
123.0	0.000	0.000	Strato2_3095_82743_L_0										
84 D	26.62	-1.1459E-03	337.9	133.1	347.9	169.0	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	
133.1	0.000	0.000	Strato2_3095_82743_L_0										
85 D	28.60	-8.1223E-04	341.8	143.0	351.8	170.9	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	
143.0	0.000	0.000	Strato2_3095_82743_L_0										
86 D	30.60	-4.8180E-04	345.9	153.0	355.9	173.0	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	
153.0	0.000	0.000	Strato2_3095_82743_L_0										
87 D	32.56	-1.5369E-04	349.8	162.8	359.8	174.9	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	
162.8	0.000	0.000	Strato2_3095_82743_L_0										
88 D	34.53	1.7286E-04	353.9	172.7	363.9	177.3	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	
172.7	0.000	0.000	Strato2_3095_82743_L_0										
89 D	36.38	4.9848E-04	357.9	181.9	367.9	181.9	V-C	8004.	-17.60	0.000	1.000	1.000	
181.9	0.000	0.000	Strato2_3095_82743_L_0										
90 D	37.61	8.2365E-04	362.0	188.1	372.0	188.1	V-C	8004.	-17.80	0.000	1.000	1.000	
188.1	0.000	0.000	Strato2_3095_82743_L_0										
91 D	19.26	1.1487E-03	365.8	192.6	375.8	192.6	V-C	8004.	-18.00	0.000	1.000	1.000	
192.6	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                        |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                   Exe Time :29 July 2019      17:58:40                                                |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   6.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 D 19.40 9.6271E-03 0.000 96.99 239.4 120.6 PASSIVE 0.000 -12.60 0.000 1.000 1.000
96.99 0.000 0.000 Strato2_3095_82743_L_0
65 D 24.10 9.1130E-03 4.000 120.5 243.4 121.7 PASSIVE 0.000 -12.80 0.000 1.000 1.000
120.5 0.000 0.000 Strato2_3095_82743_L_0
66 D 28.80 8.6044E-03 8.000 144.0 247.4 144.0 PASSIVE 0.000 -13.00 0.000 1.000 1.000
144.0 0.000 0.000 Strato2_3095_82743_L_0
67 D 29.11 8.1027E-03 12.00 145.6 251.4 145.6 V-C 7230. -13.20 0.000 1.000 1.000
145.6 0.000 0.000 Strato2_3095_82743_L_0
68 D 29.09 7.6093E-03 16.00 145.5 255.4 145.5 V-C 7230. -13.40 0.000 1.000 1.000
145.5 0.000 0.000 Strato2_3095_82743_L_0
69 D 29.05 7.1252E-03 20.00 145.2 259.4 145.2 V-C 7230. -13.60 0.000 1.000 1.000
145.2 0.000 0.000 Strato2_3095_82743_L_0
70 D 28.99 6.6513E-03 24.00 144.9 263.4 144.9 V-C 7230. -13.80 0.000 1.000 1.000
144.9 0.000 0.000 Strato2_3095_82743_L_0
71 D 28.92 6.1882E-03 28.00 144.6 267.4 144.6 V-C 7230. -14.00 0.000 1.000 1.000
144.6 0.000 0.000 Strato2_3095_82743_L_0
72 D 28.85 5.7364E-03 32.00 144.3 271.4 144.3 V-C 7230. -14.20 0.000 1.000 1.000
144.3 0.000 0.000 Strato2_3095_82743_L_0

73 D	28.79	5.2963E-03	36.00	143.9	275.4	143.9	V-C	7230.	-14.40	0.000	1.000	1.000	143.9
0.000	0.000	Strato2_3095_82743_L_0											
74 D	28.72	4.8681E-03	40.00	143.6	279.4	143.6	V-C	7230.	-14.60	0.000	1.000	1.000	143.6
0.000	0.000	Strato2_3095_82743_L_0											
75 D	28.67	4.4515E-03	44.00	143.3	283.4	143.3	V-C	7230.	-14.80	0.000	1.000	1.000	143.3
0.000	0.000	Strato2_3095_82743_L_0											
76 D	28.36	4.0466E-03	48.00	141.8	287.4	143.7	UL-RL	2.1690E+04	-15.00	0.000	1.000	1.000	141.8
0.000	0.000	Strato2_3095_82743_L_0											
77 D	27.43	3.6527E-03	52.00	137.2	291.4	145.7	UL-RL	2.1690E+04	-15.20	0.000	1.000	1.000	137.2
0.000	0.000	Strato2_3095_82743_L_0											
78 D	26.52	3.2695E-03	56.00	132.6	295.4	147.7	UL-RL	2.1690E+04	-15.40	0.000	1.000	1.000	132.6
0.000	0.000	Strato2_3095_82743_L_0											
79 D	25.63	2.8961E-03	60.00	128.1	299.4	149.7	UL-RL	2.1690E+04	-15.60	0.000	1.000	1.000	128.1
0.000	0.000	Strato2_3095_82743_L_0											
80 D	24.75	2.5318E-03	64.00	123.8	303.4	151.7	UL-RL	2.1690E+04	-15.80	0.000	1.000	1.000	123.8
0.000	0.000	Strato2_3095_82743_L_0											
81 D	23.90	2.1756E-03	68.00	119.5	307.4	153.7	UL-RL	2.1690E+04	-16.00	0.000	1.000	1.000	119.5
0.000	0.000	Strato2_3095_82743_L_0											
82 D	23.06	1.8265E-03	72.00	115.3	311.4	155.7	UL-RL	2.1690E+04	-16.20	0.000	1.000	1.000	115.3
0.000	0.000	Strato2_3095_82743_L_0											
83 D	22.24	1.4836E-03	76.00	111.2	315.4	157.7	UL-RL	2.1690E+04	-16.40	0.000	1.000	1.000	111.2
0.000	0.000	Strato2_3095_82743_L_0											
84 D	21.43	1.1459E-03	80.00	107.2	319.4	159.7	UL-RL	2.1690E+04	-16.60	0.000	1.000	1.000	107.2
0.000	0.000	Strato2_3095_82743_L_0											
85 D	20.63	8.1223E-04	84.00	103.1	323.4	161.7	UL-RL	2.1690E+04	-16.80	0.000	1.000	1.000	103.1
0.000	0.000	Strato2_3095_82743_L_0											
86 D	19.83	4.8180E-04	88.00	99.16	327.4	163.7	UL-RL	2.1690E+04	-17.00	0.000	1.000	1.000	99.16
0.000	0.000	Strato2_3095_82743_L_0											
87 D	19.04	1.5369E-04	92.00	95.19	331.4	165.7	UL-RL	2.1690E+04	-17.20	0.000	1.000	1.000	95.19
0.000	0.000	Strato2_3095_82743_L_0											
88 D	18.25	-1.7286E-04	96.00	91.23	335.4	167.7	UL-RL	2.1690E+04	-17.40	0.000	1.000	1.000	91.23
0.000	0.000	Strato2_3095_82743_L_0											
89 D	17.45	-4.9848E-04	100.0	87.27	339.4	169.7	UL-RL	2.1690E+04	-17.60	0.000	1.000	1.000	87.27
0.000	0.000	Strato2_3095_82743_L_0											
90 D	16.66	-8.2365E-04	104.0	83.29	343.4	171.7	UL-RL	2.1690E+04	-17.80	0.000	1.000	1.000	83.29
0.000	0.000	Strato2_3095_82743_L_0											
91 D	7.931	-1.1487E-03	108.0	79.31	347.4	173.7	UL-RL	2.1690E+04	-18.00	0.000	1.000	1.000	79.31
0.000	0.000	Strato2_3095_82743_L_0											

```
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL       TA           TB           MA           MB
-----------------------------------------------------------
    1  1.2692      -1.2692      7.42805E-10 0.25383
    2  3.1037      -3.1037     -0.25383     0.87458
    3  4.9643      -4.9643     -0.87458     1.8674
    4  7.1851      -7.1851      -1.8674      3.3045
    5  9.1940      -9.1940      -3.3045      5.1433
    6  11.484      -11.484      -5.1433      7.4401
    7  13.945      -13.945      -7.4401      10.229
    8  16.709      -16.709      -10.229      13.571
    9  19.610      -19.610      -13.571      17.493
   10  22.802      -22.802      -17.493      22.053
   11  26.189      -26.189      -22.053      27.291
   12  29.855      -29.855      -27.291      33.262
   13  33.721      -33.721      -33.262      40.006
   14  37.858      -37.858      -40.006      47.578
   15  42.198      -42.198      -47.578      56.017
   16 -106.35       106.35      -56.017      34.748
   17 -101.56       101.56      -34.748      14.435
   18 -96.514       96.514      -14.435     -4.8678
   19 -91.255       91.255       4.8678     -23.119
   20 -85.738       85.738       23.119     -40.266
   21 -80.009       80.009       40.266     -56.268
   22 -74.025       74.025       56.268     -71.073
   23 -67.828       67.828       71.073     -84.639
   24 -61.394       61.394       84.639     -96.918
   25 -54.746       54.746       96.918     -107.87
   26 -47.846       47.846       107.87     -117.44
   27 -40.730       40.730       117.44     -125.58
   28 -33.363       33.363       125.58     -132.25
   29 -25.780       25.780       132.25     -137.41
   30 -17.947       17.947       137.41     -141.00
   31 -9.9110       9.9110       141.00     -142.98
   32 -1.6264       1.6264       142.98     -143.31
   33  6.8769      -6.8769       143.31     -141.93
   34  15.627      -15.627       141.93     -138.81
   35  24.597      -24.597       138.81     -133.89
   36  33.812      -33.812       133.89     -127.12
   37  43.247      -43.247       127.12     -118.48
   38  52.927      -52.927       118.48     -107.89
   39  62.817      -62.817       107.89     -95.326
   40  72.952      -72.952       95.326     -80.736
   41  83.308      -83.308       80.736     -64.074
   42 -96.360       96.360       64.074     -83.346
   43 -85.540       85.540       83.346     -100.45
   44 -74.476       74.476       100.45     -115.35
   45 -63.190       63.190       115.35     -127.99
   46 -51.670       51.670       127.99     -138.32
   47 -39.928       39.928       138.32     -146.31
   48 -27.944       27.944       146.31     -151.90
   49 -15.738       15.738       151.90     -155.04
   50 -3.2893       3.2893       155.04     -155.70
   51  9.3820      -9.3820       155.70     -153.82
   52  22.295      -22.295       153.82     -149.37
   53  35.430      -35.430       149.37     -142.28
   54  48.799      -48.799       142.28     -132.52
   55  62.392      -62.392       132.52     -120.04
   56  76.225      -76.225       120.04     -104.80
   57  90.282      -90.282       104.80     -86.740
   58  104.58      -104.58       86.740     -65.824
   59  119.10      -119.10       65.824     -42.004
   60  133.86      -133.86       42.004     -15.232
   61  148.84      -148.84       15.232      14.536
   62  164.06      -164.06      -14.536      47.348
   63  179.50      -179.50      -47.348      83.248
```

64	168.35	-168.35	-83.248	116.92
65	152.67	-152.67	-116.92	147.45
66	132.49	-132.49	-147.45	173.95
67	112.19	-112.19	-173.95	196.39
68	92.095	-92.095	-196.39	214.81
69	72.227	-72.227	-214.81	229.25
70	52.613	-52.613	-229.25	239.77
71	33.247	-33.247	-239.77	246.42
72	14.142	-14.142	-246.42	249.25
73	-4.7130	4.7130	-249.25	248.31
74	-23.311	23.311	-248.31	243.65
75	-41.668	41.668	-243.65	235.31
76	-59.534	59.534	-235.31	223.41
77	-75.154	75.154	-223.41	208.38
78	-87.616	87.616	-208.38	190.85
79	-97.008	97.008	-190.85	171.45
80	-103.37	103.37	-171.45	150.78
81	-106.79	106.79	-150.78	129.42
82	-107.29	107.29	-129.42	107.96
83	-104.94	104.94	-107.96	86.971
84	-99.753	99.753	-86.971	67.019
85	-91.776	91.776	-67.019	48.664
86	-81.012	81.012	-48.664	32.462
87	-67.491	67.491	-32.462	18.964
88	-51.206	51.206	-18.964	8.7224
89	-32.283	32.283	-8.7224	2.2657
90	-11.328	11.328	-2.2657	9.05565E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484
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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit		
ANCHOR	1	158.53	-6.68821E-04	2.38584E-02	0.0000	2633.3	0.0000	0.0000	ELASTIC	ORIGINAL YOUNG MODULUS

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484
Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 5

Tirante2_1507 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit		
ANCHOR	1	196.98	-1.26416E-03	5.92108E-03	0.0000	4214.1	0.0000	0.0000	ELASTIC	ORIGINAL YOUNG MODULUS

```
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       6
        3           CONVERGENCE :YES                       4
        4           CONVERGENCE :YES                       6
        5           CONVERGENCE :YES                       5
        6           CONVERGENCE :YES                       5


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.34 [sec]
```

1.7. Design Assumption : A2+M2+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
 * Time:lunedì 29 luglio 2019 17:58:40
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
```

```
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 6 0 40 0 15.2 45
STRIP LeftWall_32 2 6 0 40 0 13 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_158
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_617
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage4_714
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage5_1682
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
SURCHARGE 10 0 0 -9
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage6_1779
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
```

```
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -12.6
SURCHARGE 0 0 0 0
WATER -26 0 -18 0 0
ENDSTEP
```

1.8. Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                 Exe Time :29 July 2019      17:58:40                                                    |
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                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A2M2R1_3514
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >



                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    6
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................  102
NO. OF LONG NAMES (LASTNAME) ..................   24
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S    102

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -12.6 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
```

```
 23 : MATERIAL Fe360_108 2.06E+08
 24 : MATERIAL C2530_104 3.148E+07
 25 : MATERIAL acciaioarmonico_124 2.001E+08
 26 : MATERIAL C2025_103 2.996E+07
 27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
 28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.316E-05 93.94 15 0 0
 29 : WIRE Tirante2_1507 LeftWall_32 -8.2 acciaioarmonico_124 2.106E-05 166.7 15 0 0
 30 : STRIP LeftWall_32 2 6 0 40 0 15.2 45
 31 : STRIP LeftWall_32 2 6 0 40 0 13 30
 32 : STEP Stage1_31
 33 : CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
 34 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 35 : CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
 36 : CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
 37 : CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
 38 : CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
 39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
 40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
 42 : CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
 43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
 44 : CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
 45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 47 : CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
 48 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 49 : SETWALL LeftWall_32
 50 : GEOM 0 0
 51 : WATER -26 0 -18 0 0
 52 : ADD WallElement_33
 53 : ENDSTEP
 54 : STEP Stage2_158
 55 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 58 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 59 : SETWALL LeftWall_32
 60 : GEOM 0 -3.5
 61 : WATER -26 0 -18 0 0
 62 : ENDSTEP
 63 : STEP Stage3_617
 64 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 67 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 68 : SETWALL LeftWall_32
 69 : GEOM 0 -3.5
 70 : WATER -26 0 -18 0 0
 71 : ADD Tirante1_429
 72 : ENDSTEP
 73 : STEP Stage4_714
 74 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 75 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 76 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 77 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 78 : SETWALL LeftWall_32
 79 : GEOM 0 -8.7
 80 : WATER -26 0 -18 0 0
 81 : ENDSTEP
 82 : STEP Stage5_1682
 83 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 86 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 87 : SETWALL LeftWall_32
 88 : GEOM 0 -8.7
 89 : SURCHARGE 10 0 0 -9
 90 : WATER -26 0 -18 0 0
 91 : ADD Tirante2_1507
 92 : ENDSTEP
 93 : STEP Stage6_1779
 94 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 95 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 96 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 97 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 98 : SETWALL LeftWall_32
 99 : GEOM 0 -12.6
100 : SURCHARGE 0 0 0 0
101 : WATER -26 0 -18 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/ 2	0.0000	-0.20000	/ 3	0.0000	-0.40000	/ 4	0.0000	-0.60000	/
5	0.0000	-0.80000	/ 6	0.0000	-1.0000	/ 7	0.0000	-1.2000	/ 8	0.0000	-1.4000	/
9	0.0000	-1.6000	/ 10	0.0000	-1.8000	/ 11	0.0000	-2.0000	/ 12	0.0000	-2.2000	/
13	0.0000	-2.4000	/ 14	0.0000	-2.6000	/ 15	0.0000	-2.8000	/ 16	0.0000	-3.0000	/
17	0.0000	-3.2000	/ 18	0.0000	-3.4000	/ 19	0.0000	-3.6000	/ 20	0.0000	-3.8000	/
21	0.0000	-4.0000	/ 22	0.0000	-4.2000	/ 23	0.0000	-4.4000	/ 24	0.0000	-4.6000	/
25	0.0000	-4.8000	/ 26	0.0000	-5.0000	/ 27	0.0000	-5.2000	/ 28	0.0000	-5.4000	/
29	0.0000	-5.6000	/ 30	0.0000	-5.8000	/ 31	0.0000	-6.0000	/ 32	0.0000	-6.2000	/
33	0.0000	-6.4000	/ 34	0.0000	-6.6000	/ 35	0.0000	-6.8000	/ 36	0.0000	-7.0000	/
37	0.0000	-7.2000	/ 38	0.0000	-7.4000	/ 39	0.0000	-7.6000	/ 40	0.0000	-7.8000	/
41	0.0000	-8.0000	/ 42	0.0000	-8.2000	/ 43	0.0000	-8.4000	/ 44	0.0000	-8.6000	/
45	0.0000	-8.8000	/ 46	0.0000	-9.0000	/ 47	0.0000	-9.2000	/ 48	0.0000	-9.4000	/
49	0.0000	-9.6000	/ 50	0.0000	-9.8000	/ 51	0.0000	-10.000	/ 52	0.0000	-10.200	/
53	0.0000	-10.400	/ 54	0.0000	-10.600	/ 55	0.0000	-10.800	/ 56	0.0000	-11.000	/
57	0.0000	-11.200	/ 58	0.0000	-11.400	/ 59	0.0000	-11.600	/ 60	0.0000	-11.800	/
61	0.0000	-12.000	/ 62	0.0000	-12.200	/ 63	0.0000	-12.400	/ 64	0.0000	-12.600	/
65	0.0000	-12.800	/ 66	0.0000	-13.000	/ 67	0.0000	-13.200	/ 68	0.0000	-13.400	/
69	0.0000	-13.600	/ 70	0.0000	-13.800	/ 71	0.0000	-14.000	/ 72	0.0000	-14.200	/
73	0.0000	-14.400	/ 74	0.0000	-14.600	/ 75	0.0000	-14.800	/ 76	0.0000	-15.000	/
77	0.0000	-15.200	/ 78	0.0000	-15.400	/ 79	0.0000	-15.600	/ 80	0.0000	-15.800	/
81	0.0000	-16.000	/ 82	0.0000	-16.200	/ 83	0.0000	-16.400	/ 84	0.0000	-16.600	/
85	0.0000	-16.800	/ 86	0.0000	-17.000	/ 87	0.0000	-17.200	/ 88	0.0000	-17.400	/
89	0.0000	-17.600	/ 90	0.0000	-17.800	/ 91	0.0000	-18.000	/			

+---+
| PARATIEPLUS(TM)   NLS ENGINE RELEASE 2017.1   FULL VERSION *Build date:Jul 11, 2017* |
| |
| NewProject.BaseDesignSection_28.A2M2R1_3514 |
| Exe Time :29 July 2019   17:58:40 |
+---+

```
 ELEMENT GROUP NO.  1

0_L                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
```

3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000

88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                   Exe Time :29 July 2019      17:58:40                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-----------------------------------------------------------------
```

1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000

36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.280300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1    0.000     0.000    0.6848     0.000     0.000
    2    2    3    1    0.000     0.000    0.6848     0.000     0.000
    3    3    4    1    0.000     0.000    0.6848     0.000     0.000
    4    4    5    1    0.000     0.000    0.6848     0.000     0.000
    5    5    6    1    0.000     0.000    0.6848     0.000     0.000
    6    6    7    1    0.000     0.000    0.6848     0.000     0.000
    7    7    8    1    0.000     0.000    0.6848     0.000     0.000
    8    8    9    1    0.000     0.000    0.6848     0.000     0.000
    9    9   10    1    0.000     0.000    0.6848     0.000     0.000
   10   10   11    1    0.000     0.000    0.6848     0.000     0.000
   11   11   12    1    0.000     0.000    0.6848     0.000     0.000
   12   12   13    1    0.000     0.000    0.6848     0.000     0.000
   13   13   14    1    0.000     0.000    0.6848     0.000     0.000
   14   14   15    1    0.000     0.000    0.6848     0.000     0.000
   15   15   16    1    0.000     0.000    0.6848     0.000     0.000
   16   16   17    1    0.000     0.000    0.6848     0.000     0.000
   17   17   18    1    0.000     0.000    0.6848     0.000     0.000
   18   18   19    1    0.000     0.000    0.6848     0.000     0.000
   19   19   20    1    0.000     0.000    0.6848     0.000     0.000
   20   20   21    1    0.000     0.000    0.6848     0.000     0.000
   21   21   22    1    0.000     0.000    0.6848     0.000     0.000
   22   22   23    1    0.000     0.000    0.6848     0.000     0.000
   23   23   24    1    0.000     0.000    0.6848     0.000     0.000
   24   24   25    1    0.000     0.000    0.6848     0.000     0.000
   25   25   26    1    0.000     0.000    0.6848     0.000     0.000
   26   26   27    1    0.000     0.000    0.6848     0.000     0.000
   27   27   28    1    0.000     0.000    0.6848     0.000     0.000
   28   28   29    1    0.000     0.000    0.6848     0.000     0.000
   29   29   30    1    0.000     0.000    0.6848     0.000     0.000
   30   30   31    1    0.000     0.000    0.6848     0.000     0.000
   31   31   32    1    0.000     0.000    0.6848     0.000     0.000
   32   32   33    1    0.000     0.000    0.6848     0.000     0.000
   33   33   34    1    0.000     0.000    0.6848     0.000     0.000
   34   34   35    1    0.000     0.000    0.6848     0.000     0.000
```

35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3   active
    4   active
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   16    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                   :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5   active
    6   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
```

```
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   42    1   0.2106E-04 166.7     0.000     0.000



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      17:58:40                                              |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   12
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      17:58:40                                              |
+-------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       7.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       7.00000    0.0000E+00
```

```
LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   7.00000    0.0000E+00



LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   7.00000    0.1000E+01



LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   7.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   11
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       7.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   12
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       7.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
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ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
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ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
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ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  16.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  17.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.600     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    12 VALUES
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -3.500         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000

Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	10.00	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-9.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-12.60	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

LEFT-HAND WALL

LOWER LEVEL -18.00000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -18.00000
UPPER LEVEL 0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          15.2000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          13.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4412

 NO. OF D.P.W  FOR THIS AREA      10847
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7339E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.34     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7339E+05 RDR   = 0.000
```

```
          RATIOT= 0.000     RATIOR= 0.000
          MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
          MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
 |                                  Exe Time :29 July 2019      17:58:40                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
 |                                  Exe Time :29 July 2019      17:58:40                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
    1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.2810E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
    2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.2810E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
    3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.2810E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
    4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.2810E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
    5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.2810E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
    6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.2810E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
    7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.2810E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
    8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.2810E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
    9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.2810E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
   10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.2810E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
   11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.2810E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
   12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.2810E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
   13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.2810E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
   14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.2810E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
   15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.2810E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
```

16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.2810E+04	-3.000	0.000	1.000	1.000	
30.21	0.000	0.000	Strato1_2_8_L_0										
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.2810E+04	-3.200	0.000	1.000	1.000	
32.22	0.000	0.000	Strato1_2_8_L_0										
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.2810E+04	-3.400	0.000	1.000	1.000	
34.24	0.000	0.000	Strato1_2_8_L_0										
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.2810E+04	-3.600	0.000	1.000	1.000	
36.25	0.000	0.000	Strato1_2_8_L_0										
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.2810E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.2810E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.2810E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.2810E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.2810E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.2810E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.2810E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.2810E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.2810E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.2810E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.2810E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.2810E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.2810E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.2810E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.2810E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.2810E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.2810E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.2810E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.2810E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.2810E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.2810E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.2810E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.2810E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.2810E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.2810E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.2810E+04	-8.800	0.000	1.000	1.000	
88.62	0.000	0.000	Strato1_2_8_L_0										
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.2810E+04	-9.000	0.000	1.000	1.000	
90.63	0.000	0.000	Strato1_2_8_L_0										
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.2810E+04	-9.200	0.000	1.000	1.000	
92.64	0.000	0.000	Strato1_2_8_L_0										
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.2810E+04	-9.400	0.000	1.000	1.000	
94.66	0.000	0.000	Strato1_2_8_L_0										
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.2810E+04	-9.600	0.000	1.000	1.000	
96.67	0.000	0.000	Strato1_2_8_L_0										
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.2810E+04	-9.800	0.000	1.000	1.000	
98.69	0.000	0.000	Strato1_2_8_L_0										
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.2810E+04	-10.00	0.000	1.000	1.000	
100.7	0.000	0.000	Strato1_2_8_L_0										
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.2810E+04	-10.20	0.000	1.000	1.000	
102.7	0.000	0.000	Strato1_2_8_L_0										
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.2810E+04	-10.40	0.000	1.000	1.000	
104.7	0.000	0.000	Strato1_2_8_L_0										
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.2810E+04	-10.60	0.000	1.000	1.000	
106.7	0.000	0.000	Strato1_2_8_L_0										
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.2810E+04	-10.80	0.000	1.000	1.000	
108.8	0.000	0.000	Strato1_2_8_L_0										
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.2810E+04	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato1_2_8_L_0										
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.2810E+04	-11.20	0.000	1.000	1.000	
112.8	0.000	0.000	Strato1_2_8_L_0										
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.2810E+04	-11.40	0.000	1.000	1.000	

114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.2810E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.2810E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.2810E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.2810E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.2810E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	23.94	0.000	239.4	119.7	239.4	119.7	V-C	3.5552E+04	-12.60	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.34	0.000	243.4	121.7	243.4	121.7	V-C	3.5552E+04	-12.80	0.000	1.000	1.000
121.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.74	0.000	247.4	123.7	247.4	123.7	V-C	3.5552E+04	-13.00	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.14	0.000	251.4	125.7	251.4	125.7	V-C	3.5552E+04	-13.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.54	0.000	255.4	127.7	255.4	127.7	V-C	3.5552E+04	-13.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.94	0.000	259.4	129.7	259.4	129.7	V-C	3.5552E+04	-13.60	0.000	1.000	1.000
129.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.34	0.000	263.4	131.7	263.4	131.7	V-C	3.5552E+04	-13.80	0.000	1.000	1.000
131.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.74	0.000	267.4	133.7	267.4	133.7	V-C	3.5552E+04	-14.00	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.14	0.000	271.4	135.7	271.4	135.7	V-C	3.5552E+04	-14.20	0.000	1.000	1.000
135.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	3.5552E+04	-14.40	0.000	1.000	1.000
137.7	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	3.5552E+04	-14.60	0.000	1.000	1.000
139.7	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	3.5552E+04	-14.80	0.000	1.000	1.000
141.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	3.5552E+04	-15.00	0.000	1.000	1.000
143.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	3.5552E+04	-15.20	0.000	1.000	1.000
145.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	3.5552E+04	-15.40	0.000	1.000	1.000
147.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	3.5552E+04	-15.60	0.000	1.000	1.000
149.7	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	3.5552E+04	-15.80	0.000	1.000	1.000
151.7	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	3.5552E+04	-16.00	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	3.5552E+04	-16.20	0.000	1.000	1.000
155.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	3.5552E+04	-16.40	0.000	1.000	1.000
157.7	0.000	0.000	Strato2_3095_82743_L_0									
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	3.5552E+04	-16.60	0.000	1.000	1.000
159.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	3.5552E+04	-16.80	0.000	1.000	1.000
161.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	3.5552E+04	-17.00	0.000	1.000	1.000
163.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	3.5552E+04	-17.20	0.000	1.000	1.000
165.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	3.5552E+04	-17.40	0.000	1.000	1.000
167.7	0.000	0.000	Strato2_3095_82743_L_0									
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	3.5552E+04	-17.60	0.000	1.000	1.000
169.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	3.5552E+04	-17.80	0.000	1.000	1.000
171.7	0.000	0.000	Strato2_3095_82743_L_0									
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	3.5552E+04	-18.00	0.000	1.000	1.000
173.7	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                  Exe Time :29 July 2019      17:58:40                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.0842E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.0842E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.0842E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.0842E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.0842E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.0842E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.0842E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.0842E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.0842E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.0842E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.0842E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.0842E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.0842E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.0842E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.0842E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.0842E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.0842E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.0842E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C  1.0842E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C  1.0842E+04  -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C  1.0842E+04  -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C  1.0842E+04  -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C  1.0842E+04  -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C  1.0842E+04  -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C  1.0842E+04  -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C  1.0842E+04  -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C  1.0842E+04  -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C  1.0842E+04  -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C  1.0842E+04  -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C  1.0842E+04  -5.800       0.000       1.000       1.000
```

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58.41       0.000       0.000     Strato1_2_8_L_0
  31 D  12.08       0.000       114.0       60.42       114.0       60.42       V-C  1.0842E+04  -6.000       0.000       1.000       1.000
60.42       0.000       0.000     Strato1_2_8_L_0
  32 D  12.49       0.000       117.8       62.43       117.8       62.43       V-C  1.0842E+04  -6.200       0.000       1.000       1.000
62.43       0.000       0.000     Strato1_2_8_L_0
  33 D  12.89       0.000       121.6       64.45       121.6       64.45       V-C  1.0842E+04  -6.400       0.000       1.000       1.000
64.45       0.000       0.000     Strato1_2_8_L_0
  34 D  13.29       0.000       125.4       66.46       125.4       66.46       V-C  1.0842E+04  -6.600       0.000       1.000       1.000
66.46       0.000       0.000     Strato1_2_8_L_0
  35 D  13.70       0.000       129.2       68.48       129.2       68.48       V-C  1.0842E+04  -6.800       0.000       1.000       1.000
68.48       0.000       0.000     Strato1_2_8_L_0
  36 D  14.10       0.000       133.0       70.49       133.0       70.49       V-C  1.0842E+04  -7.000       0.000       1.000       1.000
70.49       0.000       0.000     Strato1_2_8_L_0
  37 D  14.50       0.000       136.8       72.50       136.8       72.50       V-C  1.0842E+04  -7.200       0.000       1.000       1.000
72.50       0.000       0.000     Strato1_2_8_L_0
  38 D  14.90       0.000       140.6       74.52       140.6       74.52       V-C  1.0842E+04  -7.400       0.000       1.000       1.000
74.52       0.000       0.000     Strato1_2_8_L_0
  39 D  15.31       0.000       144.4       76.53       144.4       76.53       V-C  1.0842E+04  -7.600       0.000       1.000       1.000
76.53       0.000       0.000     Strato1_2_8_L_0
  40 D  15.71       0.000       148.2       78.55       148.2       78.55       V-C  1.0842E+04  -7.800       0.000       1.000       1.000
78.55       0.000       0.000     Strato1_2_8_L_0
  41 D  16.11       0.000       152.0       80.56       152.0       80.56       V-C  1.0842E+04  -8.000       0.000       1.000       1.000
80.56       0.000       0.000     Strato1_2_8_L_0
  42 D  16.51       0.000       155.8       82.57       155.8       82.57       V-C  1.0842E+04  -8.200       0.000       1.000       1.000
82.57       0.000       0.000     Strato1_2_8_L_0
  43 D  16.92       0.000       159.6       84.59       159.6       84.59       V-C  1.0842E+04  -8.400       0.000       1.000       1.000
84.59       0.000       0.000     Strato1_2_8_L_0
  44 D  17.32       0.000       163.4       86.60       163.4       86.60       V-C  1.0842E+04  -8.600       0.000       1.000       1.000
86.60       0.000       0.000     Strato1_2_8_L_0
  45 D  17.72       0.000       167.2       88.62       167.2       88.62       V-C  1.0842E+04  -8.800       0.000       1.000       1.000
88.62       0.000       0.000     Strato1_2_8_L_0
  46 D  18.13       0.000       171.0       90.63       171.0       90.63       V-C  1.0842E+04  -9.000       0.000       1.000       1.000
90.63       0.000       0.000     Strato1_2_8_L_0
  47 D  18.53       0.000       174.8       92.64       174.8       92.64       V-C  1.0842E+04  -9.200       0.000       1.000       1.000
92.64       0.000       0.000     Strato1_2_8_L_0
  48 D  18.93       0.000       178.6       94.66       178.6       94.66       V-C  1.0842E+04  -9.400       0.000       1.000       1.000
94.66       0.000       0.000     Strato1_2_8_L_0
  49 D  19.33       0.000       182.4       96.67       182.4       96.67       V-C  1.0842E+04  -9.600       0.000       1.000       1.000
96.67       0.000       0.000     Strato1_2_8_L_0
  50 D  19.74       0.000       186.2       98.69       186.2       98.69       V-C  1.0842E+04  -9.800       0.000       1.000       1.000
98.69       0.000       0.000     Strato1_2_8_L_0
  51 D  20.14       0.000       190.0       100.7       190.0       100.7       V-C  1.0842E+04  -10.00       0.000       1.000       1.000
100.7       0.000       0.000     Strato1_2_8_L_0
  52 D  20.54       0.000       193.8       102.7       193.8       102.7       V-C  1.0842E+04  -10.20       0.000       1.000       1.000
102.7       0.000       0.000     Strato1_2_8_L_0
  53 D  20.95       0.000       197.6       104.7       197.6       104.7       V-C  1.0842E+04  -10.40       0.000       1.000       1.000
104.7       0.000       0.000     Strato1_2_8_L_0
  54 D  21.35       0.000       201.4       106.7       201.4       106.7       V-C  1.0842E+04  -10.60       0.000       1.000       1.000
106.7       0.000       0.000     Strato1_2_8_L_0
  55 D  21.75       0.000       205.2       108.8       205.2       108.8       V-C  1.0842E+04  -10.80       0.000       1.000       1.000
108.8       0.000       0.000     Strato1_2_8_L_0
  56 D  22.15       0.000       209.0       110.8       209.0       110.8       V-C  1.0842E+04  -11.00       0.000       1.000       1.000
110.8       0.000       0.000     Strato1_2_8_L_0
  57 D  22.56       0.000       212.8       112.8       212.8       112.8       V-C  1.0842E+04  -11.20       0.000       1.000       1.000
112.8       0.000       0.000     Strato1_2_8_L_0
  58 D  22.96       0.000       216.6       114.8       216.6       114.8       V-C  1.0842E+04  -11.40       0.000       1.000       1.000
114.8       0.000       0.000     Strato1_2_8_L_0
  59 D  23.36       0.000       220.4       116.8       220.4       116.8       V-C  1.0842E+04  -11.60       0.000       1.000       1.000
116.8       0.000       0.000     Strato1_2_8_L_0
  60 D  23.77       0.000       224.2       118.8       224.2       118.8       V-C  1.0842E+04  -11.80       0.000       1.000       1.000
118.8       0.000       0.000     Strato1_2_8_L_0
  61 D  24.17       0.000       228.0       120.8       228.0       120.8       V-C  1.0842E+04  -12.00       0.000       1.000       1.000
120.8       0.000       0.000     Strato1_2_8_L_0
  62 D  24.57       0.000       231.8       122.9       231.8       122.9       V-C  1.0842E+04  -12.20       0.000       1.000       1.000
122.9       0.000       0.000     Strato1_2_8_L_0
  63 D  24.97       0.000       235.6       124.9       235.6       124.9       V-C  1.0842E+04  -12.40       0.000       1.000       1.000
124.9       0.000       0.000     Strato1_2_8_L_0
  64 D  23.94       0.000       239.4       119.7       239.4       119.7       V-C  2.4416E+04  -12.60       0.000       1.000       1.000
119.7       0.000       0.000     Strato2_3095_82743_L_0
  65 D  24.34       0.000       243.4       121.7       243.4       121.7       V-C  2.4416E+04  -12.80       0.000       1.000       1.000
121.7       0.000       0.000     Strato2_3095_82743_L_0
  66 D  24.74       0.000       247.4       123.7       247.4       123.7       V-C  2.4416E+04  -13.00       0.000       1.000       1.000
123.7       0.000       0.000     Strato2_3095_82743_L_0
  67 D  25.14       0.000       251.4       125.7       251.4       125.7       V-C  2.4416E+04  -13.20       0.000       1.000       1.000
125.7       0.000       0.000     Strato2_3095_82743_L_0
  68 D  25.54       0.000       255.4       127.7       255.4       127.7       V-C  2.4416E+04  -13.40       0.000       1.000       1.000
127.7       0.000       0.000     Strato2_3095_82743_L_0
  69 D  25.94       0.000       259.4       129.7       259.4       129.7       V-C  2.4416E+04  -13.60       0.000       1.000       1.000
129.7       0.000       0.000     Strato2_3095_82743_L_0
  70 D  26.34       0.000       263.4       131.7       263.4       131.7       V-C  2.4416E+04  -13.80       0.000       1.000       1.000
131.7       0.000       0.000     Strato2_3095_82743_L_0
  71 D  26.74       0.000       267.4       133.7       267.4       133.7       V-C  2.4416E+04  -14.00       0.000       1.000       1.000
133.7       0.000       0.000     Strato2_3095_82743_L_0
  72 D  27.14       0.000       271.4       135.7       271.4       135.7       V-C  2.4416E+04  -14.20       0.000       1.000       1.000
135.7       0.000       0.000     Strato2_3095_82743_L_0
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73 D	27.54	0.000	275.4	137.7	275.4	137.7	V-C	2.4416E+04	-14.40	0.000	1.000	1.000	
137.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	27.94	0.000	279.4	139.7	279.4	139.7	V-C	2.4416E+04	-14.60	0.000	1.000	1.000	
139.7	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.34	0.000	283.4	141.7	283.4	141.7	V-C	2.4416E+04	-14.80	0.000	1.000	1.000	
141.7	0.000	0.000	Strato2_3095_82743_L_0										
76 D	28.74	0.000	287.4	143.7	287.4	143.7	V-C	2.4416E+04	-15.00	0.000	1.000	1.000	
143.7	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.14	0.000	291.4	145.7	291.4	145.7	V-C	2.4416E+04	-15.20	0.000	1.000	1.000	
145.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.54	0.000	295.4	147.7	295.4	147.7	V-C	2.4416E+04	-15.40	0.000	1.000	1.000	
147.7	0.000	0.000	Strato2_3095_82743_L_0										
79 D	29.94	0.000	299.4	149.7	299.4	149.7	V-C	2.4416E+04	-15.60	0.000	1.000	1.000	
149.7	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.34	0.000	303.4	151.7	303.4	151.7	V-C	2.4416E+04	-15.80	0.000	1.000	1.000	
151.7	0.000	0.000	Strato2_3095_82743_L_0										
81 D	30.74	0.000	307.4	153.7	307.4	153.7	V-C	2.4416E+04	-16.00	0.000	1.000	1.000	
153.7	0.000	0.000	Strato2_3095_82743_L_0										
82 D	31.14	0.000	311.4	155.7	311.4	155.7	V-C	2.4416E+04	-16.20	0.000	1.000	1.000	
155.7	0.000	0.000	Strato2_3095_82743_L_0										
83 D	31.54	0.000	315.4	157.7	315.4	157.7	V-C	2.4416E+04	-16.40	0.000	1.000	1.000	
157.7	0.000	0.000	Strato2_3095_82743_L_0										
84 D	31.94	0.000	319.4	159.7	319.4	159.7	V-C	2.4416E+04	-16.60	0.000	1.000	1.000	
159.7	0.000	0.000	Strato2_3095_82743_L_0										
85 D	32.34	0.000	323.4	161.7	323.4	161.7	V-C	2.4416E+04	-16.80	0.000	1.000	1.000	
161.7	0.000	0.000	Strato2_3095_82743_L_0										
86 D	32.74	0.000	327.4	163.7	327.4	163.7	V-C	2.4416E+04	-17.00	0.000	1.000	1.000	
163.7	0.000	0.000	Strato2_3095_82743_L_0										
87 D	33.14	0.000	331.4	165.7	331.4	165.7	V-C	2.4416E+04	-17.20	0.000	1.000	1.000	
165.7	0.000	0.000	Strato2_3095_82743_L_0										
88 D	33.54	0.000	335.4	167.7	335.4	167.7	V-C	2.4416E+04	-17.40	0.000	1.000	1.000	
167.7	0.000	0.000	Strato2_3095_82743_L_0										
89 D	33.94	0.000	339.4	169.7	339.4	169.7	V-C	2.4416E+04	-17.60	0.000	1.000	1.000	
169.7	0.000	0.000	Strato2_3095_82743_L_0										
90 D	34.34	0.000	343.4	171.7	343.4	171.7	V-C	2.4416E+04	-17.80	0.000	1.000	1.000	
171.7	0.000	0.000	Strato2_3095_82743_L_0										
91 D	17.37	0.000	347.4	173.7	347.4	173.7	V-C	2.4416E+04	-18.00	0.000	1.000	1.000	
173.7	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
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   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
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   25  0.0000      0.0000      0.0000      0.0000
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   28  0.0000      0.0000      0.0000      0.0000
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   33  0.0000      0.0000      0.0000      0.0000
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   49  0.0000      0.0000      0.0000      0.0000
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   53  0.0000      0.0000      0.0000      0.0000
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   55  0.0000      0.0000      0.0000      0.0000
   56  0.0000      0.0000      0.0000      0.0000
   57  0.0000      0.0000      0.0000      0.0000
   58  0.0000      0.0000      0.0000      0.0000
   59  0.0000      0.0000      0.0000      0.0000
   60  0.0000      0.0000      0.0000      0.0000
   61  0.0000      0.0000      0.0000      0.0000
   62  0.0000      0.0000      0.0000      0.0000
   63  0.0000      0.0000      0.0000      0.0000
```

64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
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68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000
90	0.0000	0.0000	0.0000	0.0000

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM= 1736.     REMNOR= 0.000     RATIO =0.1528     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.1528     RATIOR= 0.000
           MAX UN= 8.909     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
```

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           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM= 181.7     REMNOR=0.2527E-19 RATIO =0.4943E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.4943E-01 RATIOR= 0.000
           MAX UN= 4.598     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2065E-09 IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM= 299.2     REMNOR=0.5219E-18 RATIO =0.6342E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.6342E-01 RATIOR= 0.000
           MAX UN= 8.936     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.4682E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM= 31.85     REMNOR=0.3098E-18 RATIO =0.2069E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.2069E-01 RATIOR= 0.000
           MAX UN= 3.831     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.3446E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM=0.2902     REMNOR=0.1571E-18 RATIO =0.1975E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.1975E-02 RATIOR= 0.000
           MAX UN=0.5244     IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-.2635E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7438E+05 RIMNOR= 0.000
           RENORM=0.4363E-16 REMNOR=0.1377E-18 RATIO =0.2422E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.30     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7438E+05 RDR   = 0.000
           RATIOT=0.2422E-10 RATIOR= 0.000
           MAX UN=0.2132E-08 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.2466E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.5012004E-02  -2.0497445E-03
    2   1.4602057E-02  -2.0497193E-03
    3   1.4192123E-02  -2.0496068E-03
    4   1.3782226E-02  -2.0493279E-03
    5   1.3372409E-02  -2.0487864E-03
    6   1.2962736E-02  -2.0478690E-03
    7   1.2553295E-02  -2.0464477E-03
    8   1.2144200E-02  -2.0443797E-03
    9   1.1735597E-02  -2.0415082E-03
   10   1.1327662E-02  -2.0376638E-03
   11   1.0920608E-02  -2.0326646E-03
   12   1.0514686E-02  -2.0263143E-03
   13   1.0110186E-02  -2.0184027E-03
   14   9.7074438E-03  -2.0087058E-03
   15   9.3068389E-03  -1.9969856E-03
   16   8.9088013E-03  -1.9829900E-03
   17   8.5138123E-03  -1.9664543E-03
   18   8.1224074E-03  -1.9471008E-03
   19   7.7351792E-03  -1.9246378E-03
   20   7.3527781E-03  -1.8987874E-03
   21   6.9759041E-03  -1.8693399E-03
   22   6.6052895E-03  -1.8361817E-03
   23   6.2416800E-03  -1.7992949E-03
   24   5.8858167E-03  -1.7587580E-03
   25   5.5384103E-03  -1.7147452E-03
   26   5.2001322E-03  -1.6675278E-03
   27   4.8715906E-03  -1.6174383E-03
   28   4.5533257E-03  -1.5648173E-03
   29   4.2458121E-03  -1.5099934E-03
   30   3.9494556E-03  -1.4532836E-03
   31   3.6646039E-03  -1.3949952E-03
   32   3.3915429E-03  -1.3354256E-03
   33   3.1304999E-03  -1.2748634E-03
   34   2.8816451E-03  -1.2135885E-03
   35   2.6450950E-03  -1.1518732E-03
   36   2.4209088E-03  -1.0899812E-03
   37   2.2090971E-03  -1.0281707E-03
   38   2.0096183E-03  -9.6669341E-04
   39   1.8223811E-03  -9.0579563E-04
   40   1.6472461E-03  -8.4571960E-04
   41   1.4840235E-03  -7.8670289E-04
   42   1.3324758E-03  -7.2897937E-04
   43   1.1923271E-03  -6.7277922E-04
   44   1.0632495E-03  -6.1830732E-04
   45   9.4487811E-04  -5.6573644E-04
   46   8.3681860E-04  -5.1521022E-04
   47   7.3864994E-04  -4.6684513E-04
   48   6.4993034E-04  -4.2073309E-04
   49   5.7020226E-04  -3.7694364E-04
   50   4.9899522E-04  -3.3552526E-04
   51   4.3583202E-04  -2.9650886E-04
   52   3.8023007E-04  -2.5990844E-04
   53   3.3170696E-04  -2.2572475E-04
   54   2.8978003E-04  -1.9394307E-04
   55   2.5397150E-04  -1.6453488E-04
   56   2.2381059E-04  -1.3745903E-04
   57   1.9883587E-04  -1.1266341E-04
   58   1.7859730E-04  -9.0086773E-05
   59   1.6265781E-04  -6.9660460E-05
   60   1.5059473E-04  -5.1309896E-05
   61   1.4200074E-04  -3.4956012E-05
   62   1.3648468E-04  -2.0516783E-05
   63   1.3367197E-04  -7.9083523E-06
   64   1.3320496E-04   2.9543205E-06
   65   1.3474503E-04   1.2186995E-05
   66   1.3798078E-04   1.9935055E-05
   67   1.4262962E-04   2.6341619E-05
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68	1.4843698E-04	3.1545954E-05
69	1.5517659E-04	3.5683333E-05
70	1.6264775E-04	3.8882304E-05
71	1.7067510E-04	4.1265061E-05
72	1.7910705E-04	4.2946870E-05
73	1.8781431E-04	4.4035635E-05
74	1.9668845E-04	4.4631621E-05
75	2.0564027E-04	4.4827251E-05
76	2.1459829E-04	4.4707009E-05
77	2.2350710E-04	4.4347170E-05
78	2.3232573E-04	4.3815827E-05
79	2.4102601E-04	4.3173191E-05
80	2.4959108E-04	4.2471689E-05
81	2.5801375E-04	4.1756076E-05
82	2.6629505E-04	4.1063564E-05
83	2.7444270E-04	4.0423944E-05
84	2.8246965E-04	3.9859712E-05
85	2.9039301E-04	3.9385950E-05
86	2.9823098E-04	3.9010517E-05
87	3.0600382E-04	3.8734208E-05
88	3.1373087E-04	3.8550925E-05
89	3.2142953E-04	3.8447696E-05
90	3.2911396E-04	3.8404716E-05
91	3.3679366E-04	3.8395360E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	1.057	-1.5012E-02	28.20	10.57	28.20	14.95	ACTIVE	0.000	0.000	0.000	1.000	1.000
10.57	0.000	0.000	Strato1_2_8_L_0									
2 D	1.568	-1.4602E-02	20.90	7.838	20.90	11.08	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
7.838	0.000	0.000	Strato1_2_8_L_0									
3 D	1.758	-1.4192E-02	23.44	8.791	23.44	12.42	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
8.791	0.000	0.000	Strato1_2_8_L_0									
4 D	2.294	-1.3782E-02	30.59	11.47	30.59	16.21	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
11.47	0.000	0.000	Strato1_2_8_L_0									
5 D	2.483	-1.3372E-02	33.11	12.42	33.11	17.55	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
12.42	0.000	0.000	Strato1_2_8_L_0									
6 D	2.903	-1.2963E-02	38.70	14.51	38.70	20.51	ACTIVE	0.000	-1.000	0.000	1.000	1.000
14.51	0.000	0.000	Strato1_2_8_L_0									
7 D	3.114	-1.2553E-02	41.51	15.57	41.51	22.00	ACTIVE	0.000	-1.200	0.000	1.000	1.000
15.57	0.000	0.000	Strato1_2_8_L_0									
8 D	3.490	-1.2144E-02	46.53	17.45	46.53	24.66	ACTIVE	0.000	-1.400	0.000	1.000	1.000
17.45	0.000	0.000	Strato1_2_8_L_0									
9 D	3.650	-1.1736E-02	48.67	18.25	48.67	25.79	ACTIVE	0.000	-1.600	0.000	1.000	1.000
18.25	0.000	0.000	Strato1_2_8_L_0									
10 D	4.012	-1.1328E-02	53.49	20.06	53.49	28.35	ACTIVE	0.000	-1.800	0.000	1.000	1.000
20.06	0.000	0.000	Strato1_2_8_L_0									
11 D	4.253	-1.0921E-02	56.71	21.26	56.71	30.05	ACTIVE	0.000	-2.000	0.000	1.000	1.000
21.26	0.000	0.000	Strato1_2_8_L_0									
12 D	4.598	-1.0515E-02	61.31	22.99	61.31	32.50	ACTIVE	0.000	-2.200	0.000	1.000	1.000
22.99	0.000	0.000	Strato1_2_8_L_0									
13 D	4.845	-1.0110E-02	64.60	24.23	64.60	34.24	ACTIVE	0.000	-2.400	0.000	1.000	1.000
24.23	0.000	0.000	Strato1_2_8_L_0									
14 D	5.180	-9.7074E-03	69.07	25.90	69.07	36.61	ACTIVE	0.000	-2.600	0.000	1.000	1.000
25.90	0.000	0.000	Strato1_2_8_L_0									
15 D	5.431	-9.3068E-03	72.41	27.15	72.41	38.38	ACTIVE	0.000	-2.800	0.000	1.000	1.000
27.15	0.000	0.000	Strato1_2_8_L_0									
16 D	5.722	-8.9088E-03	76.30	28.61	76.30	40.44	ACTIVE	0.000	-3.000	0.000	1.000	1.000
28.61	0.000	0.000	Strato1_2_8_L_0									
17 D	5.979	-8.5138E-03	79.72	29.90	79.72	42.25	ACTIVE	0.000	-3.200	0.000	1.000	1.000
29.90	0.000	0.000	Strato1_2_8_L_0									

18 D	6.303	-8.1224E-03	84.04	31.52	84.04	44.54	ACTIVE	0.000	-3.400	0.000	1.000	1.000
31.52	0.000	0.000	Strato1_2_8_L_0									
19 D	6.562	-7.7352E-03	87.50	32.81	87.50	46.37	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.81	0.000	0.000	Strato1_2_8_L_0									
20 D	6.882	-7.3528E-03	91.76	34.41	91.76	48.63	ACTIVE	0.000	-3.800	0.000	1.000	1.000
34.41	0.000	0.000	Strato1_2_8_L_0									
21 D	7.143	-6.9759E-03	95.24	35.72	95.24	50.48	ACTIVE	0.000	-4.000	0.000	1.000	1.000
35.72	0.000	0.000	Strato1_2_8_L_0									
22 D	7.459	-6.6053E-03	99.45	37.29	99.45	52.71	ACTIVE	0.000	-4.200	0.000	1.000	1.000
37.29	0.000	0.000	Strato1_2_8_L_0									
23 D	7.722	-6.2417E-03	103.0	38.61	103.0	54.57	ACTIVE	0.000	-4.400	0.000	1.000	1.000
38.61	0.000	0.000	Strato1_2_8_L_0									
24 D	8.011	-5.8858E-03	106.8	40.05	106.8	56.61	ACTIVE	0.000	-4.600	0.000	1.000	1.000
40.05	0.000	0.000	Strato1_2_8_L_0									
25 D	8.276	-5.5384E-03	110.3	41.38	110.3	58.48	ACTIVE	0.000	-4.800	0.000	1.000	1.000
41.38	0.000	0.000	Strato1_2_8_L_0									
26 D	8.587	-5.2001E-03	114.5	42.94	114.5	60.68	ACTIVE	0.000	-5.000	0.000	1.000	1.000
42.94	0.000	0.000	Strato1_2_8_L_0									
27 D	8.854	-4.8716E-03	118.1	44.27	118.1	62.57	ACTIVE	0.000	-5.200	0.000	1.000	1.000
44.27	0.000	0.000	Strato1_2_8_L_0									
28 D	9.163	-4.5533E-03	122.2	45.82	122.2	64.75	ACTIVE	0.000	-5.400	0.000	1.000	1.000
45.82	0.000	0.000	Strato1_2_8_L_0									
29 D	9.431	-4.2458E-03	125.7	47.15	125.7	66.65	ACTIVE	0.000	-5.600	0.000	1.000	1.000
47.15	0.000	0.000	Strato1_2_8_L_0									
30 D	9.738	-3.9495E-03	129.8	48.69	129.8	68.82	ACTIVE	0.000	-5.800	0.000	1.000	1.000
48.69	0.000	0.000	Strato1_2_8_L_0									
31 D	9.988	-3.6646E-03	133.2	49.94	133.2	70.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000
49.94	0.000	0.000	Strato1_2_8_L_0									
32 D	10.29	-3.3915E-03	137.3	51.47	137.3	72.75	ACTIVE	0.000	-6.200	0.000	1.000	1.000
51.47	0.000	0.000	Strato1_2_8_L_0									
33 D	10.56	-3.1305E-03	140.9	52.82	140.9	74.66	ACTIVE	0.000	-6.400	0.000	1.000	1.000
52.82	0.000	0.000	Strato1_2_8_L_0									
34 D	10.87	-2.8816E-03	144.9	54.35	144.9	76.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
54.35	0.000	0.000	Strato1_2_8_L_0									
35 D	11.14	-2.6451E-03	148.5	55.70	148.5	78.73	ACTIVE	0.000	-6.800	0.000	1.000	1.000
55.70	0.000	0.000	Strato1_2_8_L_0									
36 D	11.44	-2.4209E-03	152.6	57.22	152.6	80.87	ACTIVE	0.000	-7.000	0.000	1.000	1.000
57.22	0.000	0.000	Strato1_2_8_L_0									
37 D	11.72	-2.2091E-03	156.2	58.58	156.2	82.79	ACTIVE	0.000	-7.200	0.000	1.000	1.000
58.58	0.000	0.000	Strato1_2_8_L_0									
38 D	12.02	-2.0096E-03	160.2	60.09	160.2	84.93	ACTIVE	0.000	-7.400	0.000	1.000	1.000
60.09	0.000	0.000	Strato1_2_8_L_0									
39 D	12.28	-1.8224E-03	163.7	61.38	163.7	86.74	ACTIVE	0.000	-7.600	0.000	1.000	1.000
61.38	0.000	0.000	Strato1_2_8_L_0									
40 D	12.58	-1.6472E-03	167.7	62.88	167.7	88.88	ACTIVE	0.000	-7.800	0.000	1.000	1.000
62.88	0.000	0.000	Strato1_2_8_L_0									
41 D	12.85	-1.4840E-03	171.3	64.25	171.3	90.81	ACTIVE	0.000	-8.000	0.000	1.000	1.000
64.25	0.000	0.000	Strato1_2_8_L_0									
42 D	13.32	-1.3325E-03	175.3	66.60	175.3	92.93	UL-RL	1.9764E+04	-8.200	0.000	1.000	1.000
66.60	0.000	0.000	Strato1_2_8_L_0									
43 D	14.26	-1.1923E-03	179.0	71.30	179.0	94.86	UL-RL	1.9764E+04	-8.400	0.000	1.000	1.000
71.30	0.000	0.000	Strato1_2_8_L_0									
44 D	15.19	-1.0632E-03	183.0	75.97	183.0	96.98	UL-RL	1.9764E+04	-8.600	0.000	1.000	1.000
75.97	0.000	0.000	Strato1_2_8_L_0									
45 D	16.05	-9.4488E-04	186.6	80.25	186.6	98.92	UL-RL	1.9764E+04	-8.800	0.000	1.000	1.000
80.25	0.000	0.000	Strato1_2_8_L_0									
46 D	16.88	-8.3682E-04	190.5	84.41	190.5	100.9	UL-RL	1.9764E+04	-9.000	0.000	1.000	1.000
84.41	0.000	0.000	Strato1_2_8_L_0									
47 D	17.66	-7.3865E-04	194.1	88.29	194.1	102.9	UL-RL	1.9764E+04	-9.200	0.000	1.000	1.000
88.29	0.000	0.000	Strato1_2_8_L_0									
48 D	18.43	-6.4993E-04	198.1	92.15	198.1	105.0	UL-RL	1.9764E+04	-9.400	0.000	1.000	1.000
92.15	0.000	0.000	Strato1_2_8_L_0									
49 D	19.13	-5.7020E-04	201.8	95.67	201.8	106.9	UL-RL	1.9764E+04	-9.600	0.000	1.000	1.000
95.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.84	-4.9900E-04	205.8	99.19	205.8	109.1	UL-RL	1.9764E+04	-9.800	0.000	1.000	1.000
99.19	0.000	0.000	Strato1_2_8_L_0									
51 D	20.48	-4.3583E-04	209.4	102.4	209.4	111.0	UL-RL	1.9764E+04	-10.00	0.000	1.000	1.000
102.4	0.000	0.000	Strato1_2_8_L_0									
52 D	21.12	-3.8023E-04	213.4	105.6	213.4	113.1	UL-RL	1.9764E+04	-10.20	0.000	1.000	1.000
105.6	0.000	0.000	Strato1_2_8_L_0									
53 D	21.70	-3.3171E-04	217.1	108.5	217.1	115.0	UL-RL	1.9764E+04	-10.40	0.000	1.000	1.000
108.5	0.000	0.000	Strato1_2_8_L_0									
54 D	22.27	-2.8978E-04	220.9	111.3	220.9	117.1	UL-RL	1.9764E+04	-10.60	0.000	1.000	1.000
111.3	0.000	0.000	Strato1_2_8_L_0									
55 D	22.80	-2.5397E-04	224.6	114.0	224.6	119.0	UL-RL	1.9764E+04	-10.80	0.000	1.000	1.000
114.0	0.000	0.000	Strato1_2_8_L_0									
56 D	23.34	-2.2381E-04	228.5	116.7	228.5	121.1	UL-RL	1.9764E+04	-11.00	0.000	1.000	1.000
116.7	0.000	0.000	Strato1_2_8_L_0									
57 D	23.83	-1.9884E-04	232.2	119.1	232.2	123.1	UL-RL	1.9764E+04	-11.20	0.000	1.000	1.000
119.1	0.000	0.000	Strato1_2_8_L_0									
58 D	24.33	-1.7860E-04	236.2	121.6	236.2	125.2	UL-RL	1.9764E+04	-11.40	0.000	1.000	1.000
121.6	0.000	0.000	Strato1_2_8_L_0									
59 D	24.78	-1.6266E-04	239.9	123.9	239.9	127.1	UL-RL	1.9764E+04	-11.60	0.000	1.000	1.000
123.9	0.000	0.000	Strato1_2_8_L_0									
60 D	25.25	-1.5059E-04	243.8	126.2	243.8	129.2	UL-RL	1.9764E+04	-11.80	0.000	1.000	1.000

126.2	0.000	0.000	Strato1_2_8_L_0									
61 D	25.66	-1.4200E-04	247.4	128.3	247.4	131.1	UL-RL	1.9764E+04	-12.00	0.000	1.000	1.000
128.3	0.000	0.000	Strato1_2_8_L_0									
62 D	26.10	-1.3648E-04	251.3	130.5	251.3	133.2	UL-RL	1.9764E+04	-12.20	0.000	1.000	1.000
130.5	0.000	0.000	Strato1_2_8_L_0									
63 D	26.50	-1.3367E-04	255.0	132.5	255.0	135.2	UL-RL	1.9764E+04	-12.40	0.000	1.000	1.000
132.5	0.000	0.000	Strato1_2_8_L_0									
64 D	24.43	-1.3320E-04	258.9	122.2	258.9	129.5	UL-RL	5.4852E+04	-12.60	0.000	1.000	1.000
122.2	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.81	-1.3475E-04	262.8	124.0	262.8	131.4	UL-RL	5.4852E+04	-12.80	0.000	1.000	1.000
124.0	0.000	0.000	Strato2_3095_82743_L_0									
66 D	25.18	-1.3798E-04	267.0	125.9	267.0	133.5	UL-RL	5.4852E+04	-13.00	0.000	1.000	1.000
125.9	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.52	-1.4263E-04	270.9	127.6	270.9	135.4	UL-RL	5.4852E+04	-13.20	0.000	1.000	1.000
127.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.87	-1.4844E-04	275.0	129.4	275.0	137.5	UL-RL	5.4852E+04	-13.40	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.18	-1.5518E-04	278.8	130.9	278.8	139.4	UL-RL	5.4852E+04	-13.60	0.000	1.000	1.000
130.9	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.51	-1.6265E-04	282.9	132.5	282.9	141.5	UL-RL	5.4852E+04	-13.80	0.000	1.000	1.000
132.5	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.81	-1.7068E-04	286.8	134.1	286.8	143.4	UL-RL	5.4852E+04	-14.00	0.000	1.000	1.000
134.1	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.13	-1.7911E-04	290.9	135.6	290.9	145.5	UL-RL	5.4852E+04	-14.20	0.000	1.000	1.000
135.6	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.43	-1.8781E-04	294.9	137.1	294.9	147.4	UL-RL	5.4852E+04	-14.40	0.000	1.000	1.000
137.1	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.74	-1.9669E-04	299.0	138.7	299.0	149.5	UL-RL	5.4852E+04	-14.60	0.000	1.000	1.000
138.7	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.03	-2.0564E-04	302.9	140.2	302.9	151.4	UL-RL	5.4852E+04	-14.80	0.000	1.000	1.000
140.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.34	-2.1460E-04	306.9	141.7	306.9	153.5	UL-RL	5.4852E+04	-15.00	0.000	1.000	1.000
141.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	28.63	-2.2351E-04	310.8	143.1	310.8	155.4	UL-RL	5.4852E+04	-15.20	0.000	1.000	1.000
143.1	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.94	-2.3233E-04	314.9	144.7	314.9	157.5	UL-RL	5.4852E+04	-15.40	0.000	1.000	1.000
144.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.24	-2.4103E-04	318.8	146.2	318.8	159.4	UL-RL	5.4852E+04	-15.60	0.000	1.000	1.000
146.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	29.56	-2.4959E-04	323.0	147.8	323.0	161.5	UL-RL	5.4852E+04	-15.80	0.000	1.000	1.000
147.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.86	-2.5801E-04	326.9	149.3	326.9	163.4	UL-RL	5.4852E+04	-16.00	0.000	1.000	1.000
149.3	0.000	0.000	Strato2_3095_82743_L_0									
82 D	30.18	-2.6630E-04	331.0	150.9	331.0	165.5	UL-RL	5.4852E+04	-16.20	0.000	1.000	1.000
150.9	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.48	-2.7444E-04	334.9	152.4	334.9	167.4	UL-RL	5.4852E+04	-16.40	0.000	1.000	1.000
152.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.79	-2.8247E-04	338.9	154.0	338.9	169.5	UL-RL	5.4852E+04	-16.60	0.000	1.000	1.000
154.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.10	-2.9039E-04	342.8	155.5	342.8	171.4	UL-RL	5.4852E+04	-16.80	0.000	1.000	1.000
155.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.42	-2.9823E-04	346.9	157.1	346.9	173.5	UL-RL	5.4852E+04	-17.00	0.000	1.000	1.000
157.1	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.73	-3.0600E-04	350.9	158.6	350.9	175.4	UL-RL	5.4852E+04	-17.20	0.000	1.000	1.000
158.6	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.05	-3.1373E-04	355.0	160.3	355.0	177.5	UL-RL	5.4852E+04	-17.40	0.000	1.000	1.000
160.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.36	-3.2143E-04	358.9	161.8	358.9	179.4	UL-RL	5.4852E+04	-17.60	0.000	1.000	1.000
161.8	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.69	-3.2911E-04	363.0	163.4	363.0	181.5	UL-RL	5.4852E+04	-17.80	0.000	1.000	1.000
163.4	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.49	-3.3679E-04	366.8	164.9	366.8	183.4	UL-RL	5.4852E+04	-18.00	0.000	1.000	1.000
164.9	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*                |
|                                                                                                                        |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                   Exe Time :29 July 2019      17:58:40                                                 |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	1.154	7.7352E-03	1.900	5.772	68.40	36.25	PASSIVE	0.000	-3.600	0.000	1.000	1.000	5.772	0.000	0.000	Strato1_2_8_L_0
20 D	3.463	7.3528E-03	5.700	17.32	72.20	38.27	PASSIVE	0.000	-3.800	0.000	1.000	1.000	17.32	0.000	0.000	Strato1_2_8_L_0
21 D	5.772	6.9759E-03	9.500	28.86	76.00	40.28	PASSIVE	0.000	-4.000	0.000	1.000	1.000	28.86	0.000	0.000	Strato1_2_8_L_0
22 D	8.081	6.6053E-03	13.30	40.41	79.80	42.29	PASSIVE	0.000	-4.200	0.000	1.000	1.000	40.41	0.000	0.000	Strato1_2_8_L_0
23 D	10.39	6.2417E-03	17.10	51.95	83.60	51.95	PASSIVE	0.000	-4.400	0.000	1.000	1.000	51.95	0.000	0.000	Strato1_2_8_L_0
24 D	12.70	5.8858E-03	20.90	63.49	87.40	63.49	PASSIVE	0.000	-4.600	0.000	1.000	1.000	63.49	0.000	0.000	Strato1_2_8_L_0
25 D	15.01	5.5384E-03	24.70	75.04	91.20	75.04	PASSIVE	0.000	-4.800	0.000	1.000	1.000	75.04	0.000	0.000	Strato1_2_8_L_0
26 D	15.87	5.2001E-03	28.50	79.35	95.00	79.35	V-C	5576.	-5.000	0.000	1.000	1.000	79.35	0.000	0.000	Strato1_2_8_L_0
27 D	15.91	4.8716E-03	32.30	79.53	98.80	79.53	V-C	5576.	-5.200	0.000	1.000	1.000	79.53	0.000	0.000	Strato1_2_8_L_0
28 D	15.95	4.5533E-03	36.10	79.77	102.6	79.77	V-C	5576.	-5.400	0.000	1.000	1.000	79.77	0.000	0.000	Strato1_2_8_L_0
29 D	16.01	4.2458E-03	39.90	80.07	106.4	80.07	V-C	5576.	-5.600	0.000	1.000	1.000	80.07	0.000	0.000	Strato1_2_8_L_0
30 D	16.09	3.9495E-03	43.70	80.43	110.2	80.43	V-C	5576.	-5.800	0.000	1.000	1.000				

80.43	0.000	0.000	Strato1_2_8_L_0									
31 D	16.17	3.6646E-03	47.50	80.85	114.0	80.85	V-C	5576.	-6.000	0.000	1.000	1.000
80.85	0.000	0.000	Strato1_2_8_L_0									
32 D	16.27	3.3915E-03	51.30	81.34	117.8	81.34	V-C	5576.	-6.200	0.000	1.000	1.000
81.34	0.000	0.000	Strato1_2_8_L_0									
33 D	16.38	3.1305E-03	55.10	81.90	121.6	81.90	V-C	5576.	-6.400	0.000	1.000	1.000
81.90	0.000	0.000	Strato1_2_8_L_0									
34 D	16.51	2.8816E-03	58.90	82.53	125.4	82.53	V-C	5576.	-6.600	0.000	1.000	1.000
82.53	0.000	0.000	Strato1_2_8_L_0									
35 D	16.64	2.6451E-03	62.70	83.22	129.2	83.22	V-C	5576.	-6.800	0.000	1.000	1.000
83.22	0.000	0.000	Strato1_2_8_L_0									
36 D	16.80	2.4209E-03	66.50	83.99	133.0	83.99	V-C	5576.	-7.000	0.000	1.000	1.000
83.99	0.000	0.000	Strato1_2_8_L_0									
37 D	16.96	2.2091E-03	70.30	84.82	136.8	84.82	V-C	5576.	-7.200	0.000	1.000	1.000
84.82	0.000	0.000	Strato1_2_8_L_0									
38 D	17.14	2.0096E-03	74.10	85.72	140.6	85.72	V-C	5576.	-7.400	0.000	1.000	1.000
85.72	0.000	0.000	Strato1_2_8_L_0									
39 D	17.34	1.8224E-03	77.90	86.69	144.4	86.69	V-C	5576.	-7.600	0.000	1.000	1.000
86.69	0.000	0.000	Strato1_2_8_L_0									
40 D	17.55	1.6472E-03	81.70	87.73	148.2	87.73	V-C	5576.	-7.800	0.000	1.000	1.000
87.73	0.000	0.000	Strato1_2_8_L_0									
41 D	17.77	1.4840E-03	85.50	88.83	152.0	88.83	V-C	5576.	-8.000	0.000	1.000	1.000
88.83	0.000	0.000	Strato1_2_8_L_0									
42 D	18.00	1.3325E-03	89.30	90.00	155.8	90.00	V-C	5576.	-8.200	0.000	1.000	1.000
90.00	0.000	0.000	Strato1_2_8_L_0									
43 D	18.25	1.1923E-03	93.10	91.24	159.6	91.24	V-C	5576.	-8.400	0.000	1.000	1.000
91.24	0.000	0.000	Strato1_2_8_L_0									
44 D	18.51	1.0632E-03	96.90	92.53	163.4	92.53	V-C	5576.	-8.600	0.000	1.000	1.000
92.53	0.000	0.000	Strato1_2_8_L_0									
45 D	18.78	9.4488E-04	100.7	93.88	167.2	93.88	V-C	5576.	-8.800	0.000	1.000	1.000
93.88	0.000	0.000	Strato1_2_8_L_0									
46 D	19.06	8.3682E-04	104.5	95.30	171.0	95.30	V-C	5576.	-9.000	0.000	1.000	1.000
95.30	0.000	0.000	Strato1_2_8_L_0									
47 D	19.35	7.3865E-04	108.3	96.76	174.8	96.76	V-C	5576.	-9.200	0.000	1.000	1.000
96.76	0.000	0.000	Strato1_2_8_L_0									
48 D	19.66	6.4993E-04	112.1	98.28	178.6	98.28	V-C	5576.	-9.400	0.000	1.000	1.000
98.28	0.000	0.000	Strato1_2_8_L_0									
49 D	19.97	5.7020E-04	115.9	99.85	182.4	99.85	V-C	5576.	-9.600	0.000	1.000	1.000
99.85	0.000	0.000	Strato1_2_8_L_0									
50 D	20.29	4.9900E-04	119.7	101.5	186.2	101.5	V-C	5576.	-9.800	0.000	1.000	1.000
101.5	0.000	0.000	Strato1_2_8_L_0									
51 D	20.63	4.3583E-04	123.5	103.1	190.0	103.1	V-C	5576.	-10.00	0.000	1.000	1.000
103.1	0.000	0.000	Strato1_2_8_L_0									
52 D	20.97	3.8023E-04	127.3	104.8	193.8	104.8	V-C	5576.	-10.20	0.000	1.000	1.000
104.8	0.000	0.000	Strato1_2_8_L_0									
53 D	21.24	3.3171E-04	131.1	106.2	197.6	106.8	UL-RL	1.6728E+04	-10.40	0.000	1.000	1.000
106.2	0.000	0.000	Strato1_2_8_L_0									
54 D	21.52	2.8978E-04	134.9	107.6	201.4	108.7	UL-RL	1.6728E+04	-10.60	0.000	1.000	1.000
107.6	0.000	0.000	Strato1_2_8_L_0									
55 D	21.82	2.5397E-04	138.7	109.1	205.2	110.7	UL-RL	1.6728E+04	-10.80	0.000	1.000	1.000
109.1	0.000	0.000	Strato1_2_8_L_0									
56 D	22.13	2.2381E-04	142.5	110.6	209.0	112.7	UL-RL	1.6728E+04	-11.00	0.000	1.000	1.000
110.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.46	1.9884E-04	146.3	112.3	212.8	114.7	UL-RL	1.6728E+04	-11.20	0.000	1.000	1.000
112.3	0.000	0.000	Strato1_2_8_L_0									
58 D	22.80	1.7860E-04	150.1	114.0	216.6	116.7	UL-RL	1.6728E+04	-11.40	0.000	1.000	1.000
114.0	0.000	0.000	Strato1_2_8_L_0									
59 D	23.16	1.6266E-04	153.9	115.8	220.4	118.7	UL-RL	1.6728E+04	-11.60	0.000	1.000	1.000
115.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.53	1.5059E-04	157.7	117.7	224.2	120.7	UL-RL	1.6728E+04	-11.80	0.000	1.000	1.000
117.7	0.000	0.000	Strato1_2_8_L_0									
61 D	23.92	1.4200E-04	161.5	119.6	228.0	122.7	UL-RL	1.6728E+04	-12.00	0.000	1.000	1.000
119.6	0.000	0.000	Strato1_2_8_L_0									
62 D	24.31	1.3648E-04	165.3	121.5	231.8	124.7	UL-RL	1.6728E+04	-12.20	0.000	1.000	1.000
121.5	0.000	0.000	Strato1_2_8_L_0									
63 D	24.71	1.3367E-04	169.1	123.5	235.6	126.6	UL-RL	1.6728E+04	-12.40	0.000	1.000	1.000
123.5	0.000	0.000	Strato1_2_8_L_0									
64 D	21.35	1.3320E-04	172.9	106.7	239.4	119.7	UL-RL	3.7671E+04	-12.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	21.77	1.3475E-04	176.9	108.8	243.4	121.7	UL-RL	3.7671E+04	-12.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.19	1.3798E-04	180.9	111.0	247.4	123.7	UL-RL	3.7671E+04	-13.00	0.000	1.000	1.000
111.0	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.63	1.4263E-04	184.9	113.2	251.4	125.7	UL-RL	3.7671E+04	-13.20	0.000	1.000	1.000
113.2	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.08	1.4844E-04	188.9	115.4	255.4	127.7	UL-RL	3.7671E+04	-13.40	0.000	1.000	1.000
115.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.54	1.5518E-04	192.9	117.7	259.4	129.7	UL-RL	3.7671E+04	-13.60	0.000	1.000	1.000
117.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.00	1.6265E-04	196.9	120.0	263.4	131.7	UL-RL	3.7671E+04	-13.80	0.000	1.000	1.000
120.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.46	1.7068E-04	200.9	122.3	267.4	133.7	UL-RL	3.7671E+04	-14.00	0.000	1.000	1.000
122.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.93	1.7911E-04	204.9	124.7	271.4	135.7	UL-RL	3.7671E+04	-14.20	0.000	1.000	1.000
124.7	0.000	0.000	Strato2_3095_82743_L_0									

73 D	25.40	1.8781E-04	208.9	127.0	275.4	137.7	UL-RL	3.7671E+04	-14.40	0.000	1.000	1.000	127.0	0.000	0.000	Strato2_3095_82743_L_0
74 D	25.87	1.9669E-04	212.9	129.4	279.4	139.7	UL-RL	3.7671E+04	-14.60	0.000	1.000	1.000	129.4	0.000	0.000	Strato2_3095_82743_L_0
75 D	26.34	2.0564E-04	216.9	131.7	283.4	141.7	UL-RL	3.7671E+04	-14.80	0.000	1.000	1.000	131.7	0.000	0.000	Strato2_3095_82743_L_0
76 D	26.81	2.1460E-04	220.9	134.1	287.4	143.7	UL-RL	3.7671E+04	-15.00	0.000	1.000	1.000	134.1	0.000	0.000	Strato2_3095_82743_L_0
77 D	27.28	2.2351E-04	224.9	136.4	291.4	145.7	UL-RL	3.7671E+04	-15.20	0.000	1.000	1.000	136.4	0.000	0.000	Strato2_3095_82743_L_0
78 D	27.75	2.3233E-04	228.9	138.8	295.4	147.7	UL-RL	3.7671E+04	-15.40	0.000	1.000	1.000	138.8	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.22	2.4103E-04	232.9	141.1	299.4	149.7	UL-RL	3.7671E+04	-15.60	0.000	1.000	1.000	141.1	0.000	0.000	Strato2_3095_82743_L_0
80 D	28.69	2.4959E-04	236.9	143.5	303.4	151.7	UL-RL	3.7671E+04	-15.80	0.000	1.000	1.000	143.5	0.000	0.000	Strato2_3095_82743_L_0
81 D	29.16	2.5801E-04	240.9	145.8	307.4	153.7	UL-RL	3.7671E+04	-16.00	0.000	1.000	1.000	145.8	0.000	0.000	Strato2_3095_82743_L_0
82 D	29.62	2.6630E-04	244.9	148.1	311.4	155.7	UL-RL	3.7671E+04	-16.20	0.000	1.000	1.000	148.1	0.000	0.000	Strato2_3095_82743_L_0
83 D	30.09	2.7444E-04	248.9	150.4	315.4	157.7	UL-RL	3.7671E+04	-16.40	0.000	1.000	1.000	150.4	0.000	0.000	Strato2_3095_82743_L_0
84 D	30.55	2.8247E-04	252.9	152.7	319.4	159.7	UL-RL	3.7671E+04	-16.60	0.000	1.000	1.000	152.7	0.000	0.000	Strato2_3095_82743_L_0
85 D	31.01	2.9039E-04	256.9	155.1	323.4	161.7	UL-RL	3.7671E+04	-16.80	0.000	1.000	1.000	155.1	0.000	0.000	Strato2_3095_82743_L_0
86 D	31.47	2.9823E-04	260.9	157.4	327.4	163.7	UL-RL	3.7671E+04	-17.00	0.000	1.000	1.000	157.4	0.000	0.000	Strato2_3095_82743_L_0
87 D	31.93	3.0600E-04	264.9	159.7	331.4	165.7	UL-RL	3.7671E+04	-17.20	0.000	1.000	1.000	159.7	0.000	0.000	Strato2_3095_82743_L_0
88 D	32.40	3.1373E-04	268.9	162.0	335.4	167.7	UL-RL	3.7671E+04	-17.40	0.000	1.000	1.000	162.0	0.000	0.000	Strato2_3095_82743_L_0
89 D	32.86	3.2143E-04	272.9	164.3	339.4	169.7	UL-RL	3.7671E+04	-17.60	0.000	1.000	1.000	164.3	0.000	0.000	Strato2_3095_82743_L_0
90 D	33.32	3.2911E-04	276.9	166.6	343.4	171.7	UL-RL	3.7671E+04	-17.80	0.000	1.000	1.000	166.6	0.000	0.000	Strato2_3095_82743_L_0
91 D	16.89	3.3679E-04	280.9	168.9	347.4	173.7	UL-RL	3.7671E+04	-18.00	0.000	1.000	1.000	168.9	0.000	0.000	Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                          |
|                                   Exe Time :29 July 2019      17:58:40                                    |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T   T I M E   I S   2.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.0575	-1.0575	-8.00124E-11	0.21150
2	2.6250	-2.6250	-0.21150	0.73650
3	4.3831	-4.3831	-0.73650	1.6131
4	6.6770	-6.6770	-1.6131	2.9485
5	9.1603	-9.1603	-2.9485	4.7806
6	12.063	-12.063	-4.7806	7.1932
7	15.177	-15.177	-7.1932	10.229
8	18.667	-18.667	-10.229	13.962
9	22.317	-22.317	-13.962	18.425
10	26.329	-26.329	-18.425	23.691
11	30.582	-30.582	-23.691	29.807
12	35.180	-35.180	-29.807	36.843
13	40.025	-40.025	-36.843	44.848
14	45.205	-45.205	-44.848	53.889
15	50.636	-50.636	-53.889	64.017
16	56.358	-56.358	-64.017	75.288
17	62.338	-62.338	-75.288	87.756
18	68.641	-68.641	-87.756	101.48
19	74.049	-74.049	-101.48	116.29
20	77.467	-77.467	-116.29	131.79
21	78.838	-78.838	-131.79	147.55
22	78.216	-78.216	-147.55	163.20
23	75.548	-75.548	-163.20	178.31
24	70.859	-70.859	-178.31	192.48

25	64.128	-64.128	-192.48	205.30
26	56.846	-56.846	-205.30	216.67
27	49.795	-49.795	-216.67	226.63
28	43.004	-43.004	-226.63	235.23
29	36.422	-36.422	-235.23	242.52
30	30.075	-30.075	-242.52	248.53
31	23.892	-23.892	-248.53	253.31
32	17.918	-17.918	-253.31	256.90
33	12.102	-12.102	-256.90	259.32
34	6.4656	-6.4656	-259.32	260.61
35	0.96094	-0.96094	-260.61	260.80
36	-4.3930	4.3930	-260.80	259.92
37	-9.6420	9.6420	-259.92	257.99
38	-14.769	14.769	-257.99	255.04
39	-19.832	19.832	-255.04	251.07
40	-24.802	24.802	-251.07	246.11
41	-29.719	29.719	-246.11	240.17
42	-34.400	34.400	-240.17	233.29
43	-38.387	38.387	-233.29	225.61
44	-41.699	41.699	-225.61	217.27
45	-44.427	44.427	-217.27	208.39
46	-46.605	46.605	-208.39	199.07
47	-48.299	48.299	-199.07	189.41
48	-49.525	49.525	-189.41	179.50
49	-50.360	50.360	-179.50	169.43
50	-50.817	50.817	-169.43	159.27
51	-50.966	50.966	-159.27	149.07
52	-50.816	50.816	-149.07	138.91
53	-50.363	50.363	-138.91	128.84
54	-49.614	49.614	-128.84	118.91
55	-48.630	48.630	-118.91	109.19
56	-47.419	47.419	-109.19	99.704
57	-46.050	46.050	-99.704	90.494
58	-44.527	44.527	-90.494	81.588
59	-42.909	42.909	-81.588	73.006
60	-41.196	41.196	-73.006	64.767
61	-39.454	39.454	-64.767	56.876
62	-37.664	37.664	-56.876	49.344
63	-35.872	35.872	-49.344	42.169
64	-32.788	32.788	-42.169	35.612
65	-29.748	29.748	-35.612	29.662
66	-26.759	26.759	-29.662	24.310
67	-23.872	23.872	-24.310	19.536
68	-21.083	21.083	-19.536	15.319
69	-18.445	18.445	-15.319	11.630
70	-15.936	15.936	-11.630	8.4432
71	-13.590	13.590	-8.4432	5.7252
72	-11.391	11.391	-5.7252	3.4471
73	-9.3662	9.3662	-3.4471	1.5738
74	-7.4978	7.4978	-1.5738	7.42619E-02
75	-5.8075	5.8075	-7.42619E-02	-1.0872
76	-4.2850	4.2850	1.0872	-1.9442
77	-2.9392	2.9392	1.9442	-2.5321
78	-1.7487	1.7487	2.5321	-2.8818
79	-0.73081	0.73081	2.8818	-3.0280
80	0.13644	-0.13644	3.0280	-3.0007
81	0.83664	-0.83664	3.0007	-2.8334
82	1.3913	-1.3913	2.8334	-2.5551
83	1.7843	-1.7843	2.5551	-2.1983
84	2.0274	-2.0274	2.1983	-1.7928
85	2.1134	-2.1134	1.7928	-1.3701
86	2.0620	-2.0620	1.3701	-0.95769
87	1.8565	-1.8565	0.95769	-0.58638
88	1.5156	-1.5156	0.58638	-0.28327
89	1.0223	-1.0223	0.28327	-7.88170E-02
90	0.39408	-0.39408	7.88170E-02	-1.55720E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3269E+06 RIMNOR=0.3404E+07
           RENORM= 8234.     REMNOR=0.1377E-18 RATIO =0.1587     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 260.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3269E+06 RDR   =0.3404E+07
           RATIOT=0.1587     RATIOR= 0.000
           MAX UN=0.1778E-08 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3269E+06 RIMNOR=0.3404E+07
           RENORM= 12.61     REMNOR=0.2202E-18 RATIO =0.6210E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 260.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3269E+06 RDR   =0.3404E+07
           RATIOT=0.6210E-02 RATIOR= 0.000
           MAX UN=0.1769E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-1.427     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3269E+06 RIMNOR=0.3404E+07
           RENORM=0.2663     REMNOR=0.2621E-18 RATIO =0.9027E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 260.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3269E+06 RDR   =0.3404E+07
           RATIOT=0.9027E-03 RATIOR= 0.000
           MAX UN=0.3116E-01 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.4408     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER     4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.3269E+06 RIMNOR=0.3404E+07
            RENORM=0.4779E-16 REMNOR=0.2411E-18 RATIO =0.1209E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 90.74     RMMAX = 260.8
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.3269E+06 RDR   =0.3404E+07
            RATIOT=0.1209E-10 RATIOR= 0.000
            MAX UN=0.2625E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
            MIN UN=-.3087E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   1.3788415E-02  -1.9352949E-03
    2   1.3401359E-02  -1.9352438E-03
    3   1.3014330E-02  -1.9350053E-03
    4   1.2627381E-02  -1.9344043E-03
    5   1.2240605E-02  -1.9332452E-03
    6   1.1854135E-02  -1.9313118E-03
    7   1.1468148E-02  -1.9283709E-03
    8   1.1082870E-02  -1.9241717E-03
    9   1.0698581E-02  -1.9184471E-03
   10   1.0315612E-02  -1.9109152E-03
   11   9.9343550E-03  -1.9012799E-03
   12   9.5552612E-03  -1.8892284E-03
   13   9.1788466E-03  -1.8744319E-03
   14   8.8056945E-03  -1.8565452E-03
   15   8.4364586E-03  -1.8352074E-03
   16   8.0718667E-03  -1.8100417E-03
   17   7.7125796E-03  -1.7828112E-03
   18   7.3587633E-03  -1.7552645E-03
   19   7.0105229E-03  -1.7269806E-03
   20   6.6680491E-03  -1.6975268E-03
   21   6.3316181E-03  -1.6664852E-03
   22   6.0015837E-03  -1.6335120E-03
   23   5.6783576E-03  -1.5983731E-03
   24   5.3623887E-03  -1.5609446E-03
   25   5.0541350E-03  -1.5212124E-03
   26   4.7540509E-03  -1.4792734E-03
   27   4.4625613E-03  -1.4352988E-03
   28   4.1800542E-03  -1.3894810E-03
   29   3.9068803E-03  -1.3420131E-03
   30   3.6433475E-03  -1.2930887E-03
   31   3.3897289E-03  -1.2429033E-03
   32   3.1462571E-03  -1.1916537E-03
   33   2.9131251E-03  -1.1395384E-03
   34   2.6904861E-03  -1.0867570E-03
   35   2.4784543E-03  -1.0335110E-03
   36   2.2771003E-03  -9.8000232E-04
   37   2.0864573E-03  -9.2643522E-04
   38   1.9065164E-03  -8.7301524E-04
   39   1.7372276E-03  -8.1994962E-04
   40   1.5784998E-03  -7.6744791E-04
   41   1.4301976E-03  -7.1572110E-04
   42   1.2921428E-03  -6.6498191E-04
   43   1.1641219E-03  -6.1544394E-04
   44   1.0458728E-03  -5.6730031E-04
   45   9.3709845E-04  -5.2071593E-04
   46   8.3747322E-04  -4.7583008E-04
   47   7.4664550E-04  -4.3275795E-04
   48   6.6424293E-04  -3.9159248E-04
   49   5.8987695E-04  -3.5240590E-04
   50   5.2314551E-04  -3.1525082E-04
   51   4.6363878E-04  -2.8016338E-04
   52   4.1094045E-04  -2.4716389E-04
   53   3.6463298E-04  -2.1626005E-04
   54   3.2429707E-04  -1.8744653E-04
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    55   2.8951614E-04  -1.6070642E-04
    56   2.5987821E-04  -1.3601072E-04
    57   2.3497820E-04  -1.1331972E-04
    58   2.1441992E-04  -9.2584701E-05
    59   1.9781767E-04  -7.3749455E-05
    60   1.8479764E-04  -5.6751713E-05
    61   1.7499896E-04  -4.1524422E-05
    62   1.6807454E-04  -2.7997203E-05
    63   1.6369158E-04  -1.6097389E-05
    64   1.6153204E-04  -5.7506155E-06
    65   1.6129434E-04   3.1412325E-06
    66   1.6269963E-04   1.0699432E-05
    67   1.6549324E-04   1.7044578E-05
    68   1.6944427E-04   2.2295030E-05
    69   1.7434582E-04   2.6566793E-05
    70   1.8001314E-04   2.9970765E-05
    71   1.8628335E-04   3.2613092E-05
    72   1.9301431E-04   3.4594552E-05
    73   2.0008344E-04   3.6010084E-05
    74   2.0738654E-04   3.6948454E-05
    75   2.1483650E-04   3.7491995E-05
    76   2.2236206E-04   3.7716452E-05
    77   2.2990640E-04   3.7690648E-05
    78   2.3742576E-04   3.7476455E-05
    79   2.4488810E-04   3.7129032E-05
    80   2.5227173E-04   3.6696869E-05
    81   2.5956399E-04   3.6221848E-05
    82   2.6675997E-04   3.5739320E-05
    83   2.7386114E-04   3.5278192E-05
    84   2.8087417E-04   3.4861012E-05
    85   2.8780989E-04   3.4503822E-05
    86   2.9468069E-04   3.4216306E-05
    87   3.0150129E-04   3.4001960E-05
    88   3.0828618E-04   3.3858222E-05
    89   3.1504872E-04   3.3776492E-05
    90   3.2179994E-04   3.3742159E-05
    91   3.2854737E-04   3.3734615E-05


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*        |
 |                                                                                                                  |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                  |
 |                                  Exe Time :29 July 2019      17:58:40                                            |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

 0_L                                :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE  STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq          Su_a         Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------
   1 D   2.155     -1.3788E-02  28.20       21.55       28.20       21.55           V-C   6588.       0.000       0.000        1.000        1.000
21.55        0.000        0.000     Strato1_2_8_L_0
   2 D   3.581     -1.3401E-02  20.90       17.91       20.90       17.91           V-C   6588.     -0.2000       0.000        1.000        1.000
17.91        0.000        0.000     Strato1_2_8_L_0
   3 D   3.794     -1.3014E-02  23.44       18.97       23.44       18.97           V-C   6588.     -0.4000       0.000        1.000        1.000
18.97        0.000        0.000     Strato1_2_8_L_0
   4 D   4.448     -1.2627E-02  30.59       22.24       30.59       22.24           V-C   6588.     -0.6000       0.000        1.000        1.000
22.24        0.000        0.000     Strato1_2_8_L_0
   5 D   4.659     -1.2241E-02  33.11       23.29       33.11       23.29           V-C   6588.     -0.8000       0.000        1.000        1.000
23.29        0.000        0.000     Strato1_2_8_L_0
   6 D   5.163     -1.1854E-02  38.70       25.82       38.70       25.82           V-C   6588.      -1.000       0.000        1.000        1.000
25.82        0.000        0.000     Strato1_2_8_L_0
   7 D   5.401     -1.1468E-02  41.51       27.01       41.51       27.01           V-C   6588.      -1.200       0.000        1.000        1.000
27.01        0.000        0.000     Strato1_2_8_L_0
   8 D   5.850     -1.1083E-02  46.53       29.25       46.53       29.25           V-C   6588.      -1.400       0.000        1.000        1.000
29.25        0.000        0.000     Strato1_2_8_L_0
   9 D   6.022     -1.0699E-02  48.67       30.11       48.67       30.11           V-C   6588.      -1.600       0.000        1.000        1.000
30.11        0.000        0.000     Strato1_2_8_L_0
  10 D   6.451     -1.0316E-02  53.49       32.25       53.49       32.25           V-C   6588.      -1.800       0.000        1.000        1.000
32.25        0.000        0.000     Strato1_2_8_L_0
  11 D   6.724     -9.9344E-03  56.71       33.62       56.71       33.62           V-C   6588.      -2.000       0.000        1.000        1.000
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33.62	0.000	0.000	Strato1_2_8_L_0									
12 D	7.130	-9.5553E-03	61.31	35.65	61.31	35.65	V-C	6588.	-2.200	0.000	1.000	1.000
35.65	0.000	0.000	Strato1_2_8_L_0									
13 D	7.407	-9.1788E-03	64.60	37.04	64.60	37.04	V-C	6588.	-2.400	0.000	1.000	1.000
37.04	0.000	0.000	Strato1_2_8_L_0									
14 D	7.796	-8.8057E-03	69.07	38.98	69.07	38.98	V-C	6588.	-2.600	0.000	1.000	1.000
38.98	0.000	0.000	Strato1_2_8_L_0									
15 D	8.074	-8.4365E-03	72.41	40.37	72.41	40.37	V-C	6588.	-2.800	0.000	1.000	1.000
40.37	0.000	0.000	Strato1_2_8_L_0									
16 D	8.402	-8.0719E-03	76.30	42.01	76.30	42.01	V-C	6588.	-3.000	0.000	1.000	1.000
42.01	0.000	0.000	Strato1_2_8_L_0									
17 D	8.682	-7.7126E-03	79.72	43.41	79.72	43.41	V-C	6588.	-3.200	0.000	1.000	1.000
43.41	0.000	0.000	Strato1_2_8_L_0									
18 D	9.046	-7.3588E-03	84.04	45.23	84.04	45.23	V-C	6588.	-3.400	0.000	1.000	1.000
45.23	0.000	0.000	Strato1_2_8_L_0									
19 D	9.326	-7.0105E-03	87.50	46.63	87.50	46.63	V-C	6588.	-3.600	0.000	1.000	1.000
46.63	0.000	0.000	Strato1_2_8_L_0									
20 D	9.588	-6.6680E-03	91.76	47.94	91.76	48.63	UL-RL	1.9764E+04	-3.800	0.000	1.000	1.000
47.94	0.000	0.000	Strato1_2_8_L_0									
21 D	9.690	-6.3316E-03	95.24	48.45	95.24	50.48	UL-RL	1.9764E+04	-4.000	0.000	1.000	1.000
48.45	0.000	0.000	Strato1_2_8_L_0									
22 D	9.845	-6.0016E-03	99.45	49.23	99.45	52.71	UL-RL	1.9764E+04	-4.200	0.000	1.000	1.000
49.23	0.000	0.000	Strato1_2_8_L_0									
23 D	9.948	-5.6784E-03	103.0	49.74	103.0	54.57	UL-RL	1.9764E+04	-4.400	0.000	1.000	1.000
49.74	0.000	0.000	Strato1_2_8_L_0									
24 D	10.08	-5.3624E-03	106.8	50.40	106.8	56.61	UL-RL	1.9764E+04	-4.600	0.000	1.000	1.000
50.40	0.000	0.000	Strato1_2_8_L_0									
25 D	10.19	-5.0541E-03	110.3	50.95	110.3	58.48	UL-RL	1.9764E+04	-4.800	0.000	1.000	1.000
50.95	0.000	0.000	Strato1_2_8_L_0									
26 D	10.35	-4.7541E-03	114.5	51.75	114.5	60.68	UL-RL	1.9764E+04	-5.000	0.000	1.000	1.000
51.75	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	-4.4626E-03	118.1	52.35	118.1	62.57	UL-RL	1.9764E+04	-5.200	0.000	1.000	1.000
52.35	0.000	0.000	Strato1_2_8_L_0									
28 D	10.64	-4.1801E-03	122.2	53.19	122.2	64.75	UL-RL	1.9764E+04	-5.400	0.000	1.000	1.000
53.19	0.000	0.000	Strato1_2_8_L_0									
29 D	10.77	-3.9069E-03	125.7	53.85	125.7	66.65	UL-RL	1.9764E+04	-5.600	0.000	1.000	1.000
53.85	0.000	0.000	Strato1_2_8_L_0									
30 D	10.95	-3.6433E-03	129.8	54.74	129.8	68.82	UL-RL	1.9764E+04	-5.800	0.000	1.000	1.000
54.74	0.000	0.000	Strato1_2_8_L_0									
31 D	11.07	-3.3897E-03	133.2	55.37	133.2	70.58	UL-RL	1.9764E+04	-6.000	0.000	1.000	1.000
55.37	0.000	0.000	Strato1_2_8_L_0									
32 D	11.26	-3.1463E-03	137.3	56.32	137.3	72.75	UL-RL	1.9764E+04	-6.200	0.000	1.000	1.000
56.32	0.000	0.000	Strato1_2_8_L_0									
33 D	11.42	-2.9131E-03	140.9	57.12	140.9	74.66	UL-RL	1.9764E+04	-6.400	0.000	1.000	1.000
57.12	0.000	0.000	Strato1_2_8_L_0									
34 D	11.63	-2.6905E-03	144.9	58.13	144.9	76.81	UL-RL	1.9764E+04	-6.600	0.000	1.000	1.000
58.13	0.000	0.000	Strato1_2_8_L_0									
35 D	11.80	-2.4785E-03	148.5	59.00	148.5	78.73	UL-RL	1.9764E+04	-6.800	0.000	1.000	1.000
59.00	0.000	0.000	Strato1_2_8_L_0									
36 D	12.01	-2.2771E-03	152.6	60.06	152.6	80.87	UL-RL	1.9764E+04	-7.000	0.000	1.000	1.000
60.06	0.000	0.000	Strato1_2_8_L_0									
37 D	12.20	-2.0865E-03	156.2	61.00	156.2	82.79	UL-RL	1.9764E+04	-7.200	0.000	1.000	1.000
61.00	0.000	0.000	Strato1_2_8_L_0									
38 D	12.43	-1.9065E-03	160.2	62.13	160.2	84.93	UL-RL	1.9764E+04	-7.400	0.000	1.000	1.000
62.13	0.000	0.000	Strato1_2_8_L_0									
39 D	12.61	-1.7372E-03	163.7	63.06	163.7	86.74	UL-RL	1.9764E+04	-7.600	0.000	1.000	1.000
63.06	0.000	0.000	Strato1_2_8_L_0									
40 D	12.85	-1.5785E-03	167.7	64.24	167.7	88.88	UL-RL	1.9764E+04	-7.800	0.000	1.000	1.000
64.24	0.000	0.000	Strato1_2_8_L_0									
41 D	13.06	-1.4302E-03	171.3	65.31	171.3	90.81	UL-RL	1.9764E+04	-8.000	0.000	1.000	1.000
65.31	0.000	0.000	Strato1_2_8_L_0									
42 D	13.48	-1.2921E-03	175.3	67.39	175.3	92.93	UL-RL	1.9764E+04	-8.200	0.000	1.000	1.000
67.39	0.000	0.000	Strato1_2_8_L_0									
43 D	14.37	-1.1641E-03	179.0	71.86	179.0	94.86	UL-RL	1.9764E+04	-8.400	0.000	1.000	1.000
71.86	0.000	0.000	Strato1_2_8_L_0									
44 D	15.26	-1.0459E-03	183.0	76.31	183.0	96.98	UL-RL	1.9764E+04	-8.600	0.000	1.000	1.000
76.31	0.000	0.000	Strato1_2_8_L_0									
45 D	16.08	-9.3710E-04	186.6	80.40	186.6	98.92	UL-RL	1.9764E+04	-8.800	0.000	1.000	1.000
80.40	0.000	0.000	Strato1_2_8_L_0									
46 D	16.88	-8.3747E-04	190.5	84.40	190.5	100.9	UL-RL	1.9764E+04	-9.000	0.000	1.000	1.000
84.40	0.000	0.000	Strato1_2_8_L_0									
47 D	17.63	-7.4665E-04	194.1	88.13	194.1	102.9	UL-RL	1.9764E+04	-9.200	0.000	1.000	1.000
88.13	0.000	0.000	Strato1_2_8_L_0									
48 D	18.37	-6.6424E-04	198.1	91.87	198.1	105.0	UL-RL	1.9764E+04	-9.400	0.000	1.000	1.000
91.87	0.000	0.000	Strato1_2_8_L_0									
49 D	19.06	-5.8988E-04	201.8	95.28	201.8	106.9	UL-RL	1.9764E+04	-9.600	0.000	1.000	1.000
95.28	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	-5.2315E-04	205.8	98.71	205.8	109.1	UL-RL	1.9764E+04	-9.800	0.000	1.000	1.000
98.71	0.000	0.000	Strato1_2_8_L_0									
51 D	20.37	-4.6364E-04	209.4	101.8	209.4	111.0	UL-RL	1.9764E+04	-10.00	0.000	1.000	1.000
101.8	0.000	0.000	Strato1_2_8_L_0									
52 D	21.00	-4.1094E-04	213.4	105.0	213.4	113.1	UL-RL	1.9764E+04	-10.20	0.000	1.000	1.000
105.0	0.000	0.000	Strato1_2_8_L_0									
53 D	21.57	-3.6463E-04	217.1	107.8	217.1	115.0	UL-RL	1.9764E+04	-10.40	0.000	1.000	1.000
107.8	0.000	0.000	Strato1_2_8_L_0									

54 D	22.13	-3.2430E-04	220.9	110.7	220.9	117.1	UL-RL	1.9764E+04	-10.60	0.000	1.000	1.000
110.7	0.000	0.000	Strato1_2_8_L_0									
55 D	22.66	-2.8952E-04	224.6	113.3	224.6	119.0	UL-RL	1.9764E+04	-10.80	0.000	1.000	1.000
113.3	0.000	0.000	Strato1_2_8_L_0									
56 D	23.20	-2.5988E-04	228.5	116.0	228.5	121.1	UL-RL	1.9764E+04	-11.00	0.000	1.000	1.000
116.0	0.000	0.000	Strato1_2_8_L_0									
57 D	23.69	-2.3498E-04	232.2	118.4	232.2	123.1	UL-RL	1.9764E+04	-11.20	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
58 D	24.19	-2.1442E-04	236.2	120.9	236.2	125.2	UL-RL	1.9764E+04	-11.40	0.000	1.000	1.000
120.9	0.000	0.000	Strato1_2_8_L_0									
59 D	24.64	-1.9782E-04	239.9	123.2	239.9	127.1	UL-RL	1.9764E+04	-11.60	0.000	1.000	1.000
123.2	0.000	0.000	Strato1_2_8_L_0									
60 D	25.11	-1.8480E-04	243.8	125.6	243.8	129.2	UL-RL	1.9764E+04	-11.80	0.000	1.000	1.000
125.6	0.000	0.000	Strato1_2_8_L_0									
61 D	25.53	-1.7500E-04	247.4	127.6	247.4	131.1	UL-RL	1.9764E+04	-12.00	0.000	1.000	1.000
127.6	0.000	0.000	Strato1_2_8_L_0									
62 D	25.97	-1.6807E-04	251.3	129.9	251.3	133.2	UL-RL	1.9764E+04	-12.20	0.000	1.000	1.000
129.9	0.000	0.000	Strato1_2_8_L_0									
63 D	26.38	-1.6369E-04	255.0	131.9	255.0	135.2	UL-RL	1.9764E+04	-12.40	0.000	1.000	1.000
131.9	0.000	0.000	Strato1_2_8_L_0									
64 D	24.12	-1.6153E-04	258.9	120.6	258.9	129.5	UL-RL	5.4852E+04	-12.60	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.51	-1.6129E-04	262.8	122.6	262.8	131.4	UL-RL	5.4852E+04	-12.80	0.000	1.000	1.000
122.6	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.91	-1.6270E-04	267.0	124.6	267.0	133.5	UL-RL	5.4852E+04	-13.00	0.000	1.000	1.000
124.6	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.27	-1.6549E-04	270.9	126.4	270.9	135.4	UL-RL	5.4852E+04	-13.20	0.000	1.000	1.000
126.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.64	-1.6944E-04	275.0	128.2	275.0	137.5	UL-RL	5.4852E+04	-13.40	0.000	1.000	1.000
128.2	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.97	-1.7435E-04	278.8	129.8	278.8	139.4	UL-RL	5.4852E+04	-13.60	0.000	1.000	1.000
129.8	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.32	-1.8001E-04	282.9	131.6	282.9	141.5	UL-RL	5.4852E+04	-13.80	0.000	1.000	1.000
131.6	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.64	-1.8628E-04	286.8	133.2	286.8	143.4	UL-RL	5.4852E+04	-14.00	0.000	1.000	1.000
133.2	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.98	-1.9301E-04	290.9	134.9	290.9	145.5	UL-RL	5.4852E+04	-14.20	0.000	1.000	1.000
134.9	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.29	-2.0008E-04	294.9	136.5	294.9	147.4	UL-RL	5.4852E+04	-14.40	0.000	1.000	1.000
136.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.62	-2.0739E-04	299.0	138.1	299.0	149.5	UL-RL	5.4852E+04	-14.60	0.000	1.000	1.000
138.1	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.93	-2.1484E-04	302.9	139.7	302.9	151.4	UL-RL	5.4852E+04	-14.80	0.000	1.000	1.000
139.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.25	-2.2236E-04	306.9	141.3	306.9	153.5	UL-RL	5.4852E+04	-15.00	0.000	1.000	1.000
141.3	0.000	0.000	Strato2_3095_82743_L_0									
77 D	28.56	-2.2991E-04	310.8	142.8	310.8	155.4	UL-RL	5.4852E+04	-15.20	0.000	1.000	1.000
142.8	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.89	-2.3743E-04	314.9	144.4	314.9	157.5	UL-RL	5.4852E+04	-15.40	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.20	-2.4489E-04	318.8	146.0	318.8	159.4	UL-RL	5.4852E+04	-15.60	0.000	1.000	1.000
146.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	29.53	-2.5227E-04	323.0	147.6	323.0	161.5	UL-RL	5.4852E+04	-15.80	0.000	1.000	1.000
147.6	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.84	-2.5956E-04	326.9	149.2	326.9	163.4	UL-RL	5.4852E+04	-16.00	0.000	1.000	1.000
149.2	0.000	0.000	Strato2_3095_82743_L_0									
82 D	30.17	-2.6676E-04	331.0	150.9	331.0	165.5	UL-RL	5.4852E+04	-16.20	0.000	1.000	1.000
150.9	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.49	-2.7386E-04	334.9	152.4	334.9	167.4	UL-RL	5.4852E+04	-16.40	0.000	1.000	1.000
152.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.81	-2.8087E-04	338.9	154.0	338.9	169.5	UL-RL	5.4852E+04	-16.60	0.000	1.000	1.000
154.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	31.13	-2.8781E-04	342.8	155.6	342.8	171.4	UL-RL	5.4852E+04	-16.80	0.000	1.000	1.000
155.6	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.46	-2.9468E-04	346.9	157.3	346.9	173.5	UL-RL	5.4852E+04	-17.00	0.000	1.000	1.000
157.3	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.78	-3.0150E-04	350.9	158.9	350.9	175.4	UL-RL	5.4852E+04	-17.20	0.000	1.000	1.000
158.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.11	-3.0829E-04	355.0	160.6	355.0	177.5	UL-RL	5.4852E+04	-17.40	0.000	1.000	1.000
160.6	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.43	-3.1505E-04	358.9	162.2	358.9	179.4	UL-RL	5.4852E+04	-17.60	0.000	1.000	1.000
162.2	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.77	-3.2180E-04	363.0	163.8	363.0	181.5	UL-RL	5.4852E+04	-17.80	0.000	1.000	1.000
163.8	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.54	-3.2855E-04	366.8	165.4	366.8	183.4	UL-RL	5.4852E+04	-18.00	0.000	1.000	1.000
165.4	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.A2M2R1_3514                                            |
 |                                   Exe Time :29 July 2019      17:58:40                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --         --          --          --          --          REMOVED     --        0.000       0.000        1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --         --          --          --          --          REMOVED     --       -0.2000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --         --          --          --          --          REMOVED     --       -0.4000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --         --          --          --          --          REMOVED     --       -0.6000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --         --          --          --          --          REMOVED     --       -0.8000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --         --          --          --          --          REMOVED     --        -1.000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --         --          --          --          --          REMOVED     --        -1.200      0.000        1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --         --          --          --          --          REMOVED     --        -1.400      0.000        1.000       1.000
0.000       0.000       0.000     not available
   9     0.000         --         --          --          --          --          REMOVED     --        -1.600      0.000        1.000       1.000
0.000       0.000       0.000     not available
  10     0.000         --         --          --          --          --          REMOVED     --        -1.800      0.000        1.000       1.000
0.000       0.000       0.000     not available
  11     0.000         --         --          --          --          --          REMOVED     --        -2.000      0.000        1.000       1.000
0.000       0.000       0.000     not available
  12     0.000         --         --          --          --          --          REMOVED     --        -2.200      0.000        1.000       1.000
0.000       0.000       0.000     not available
  13     0.000         --         --          --          --          --          REMOVED     --        -2.400      0.000        1.000       1.000
0.000       0.000       0.000     not available
  14     0.000         --         --          --          --          --          REMOVED     --        -2.600      0.000        1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --         --          --          --          --          REMOVED     --        -2.800      0.000        1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --         --          --          --          --          REMOVED     --        -3.000      0.000        1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --         --          --          --          --          REMOVED     --        -3.200      0.000        1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --         --          --          --          --          REMOVED     --        -3.400      0.000        1.000       1.000
0.000       0.000       0.000     not available
  19 D  0.1425      7.0105E-03   1.900       0.7125      68.40       36.25        ACTIVE    0.000       -3.600      0.000        1.000       1.000
0.7125      0.000       0.000      Strato1_2_8_L_0
  20 D   1.173      6.6680E-03   5.700       5.863       72.20       38.27         UL-RL  1.6728E+04   -3.800      0.000        1.000       1.000
5.863       0.000       0.000      Strato1_2_8_L_0
  21 D   3.617      6.3316E-03   9.500       18.08       76.00       40.28         UL-RL  1.6728E+04   -4.000      0.000        1.000       1.000
18.08       0.000       0.000      Strato1_2_8_L_0
  22 D   6.061      6.0016E-03   13.30       30.31       79.80       42.29         UL-RL  1.6728E+04   -4.200      0.000        1.000       1.000
30.31       0.000       0.000      Strato1_2_8_L_0
  23 D   8.505      5.6784E-03   17.10       42.53       83.60       51.95         UL-RL  1.6728E+04   -4.400      0.000        1.000       1.000
42.53       0.000       0.000      Strato1_2_8_L_0
  24 D   10.95      5.3624E-03   20.90       54.74       87.40       63.49         UL-RL  1.6728E+04   -4.600      0.000        1.000       1.000
54.74       0.000       0.000      Strato1_2_8_L_0
  25 D   13.39      5.0541E-03   24.70       66.94       91.20       75.04         UL-RL  1.6728E+04   -4.800      0.000        1.000       1.000
66.94       0.000       0.000      Strato1_2_8_L_0
  26 D   14.38      4.7541E-03   28.50       71.88       95.00       79.35         UL-RL  1.6728E+04   -5.000      0.000        1.000       1.000
71.88       0.000       0.000      Strato1_2_8_L_0
  27 D   14.54      4.4626E-03   32.30       72.69       98.80       79.53         UL-RL  1.6728E+04   -5.200      0.000        1.000       1.000
72.69       0.000       0.000      Strato1_2_8_L_0
  28 D   14.70      4.1801E-03   36.10       73.52       102.6       79.77         UL-RL  1.6728E+04   -5.400      0.000        1.000       1.000
73.52       0.000       0.000      Strato1_2_8_L_0
  29 D   14.88      3.9069E-03   39.90       74.40       106.4       80.07         UL-RL  1.6728E+04   -5.600      0.000        1.000       1.000
74.40       0.000       0.000      Strato1_2_8_L_0
  30 D   15.06      3.6433E-03   43.70       75.31       110.2       80.43         UL-RL  1.6728E+04   -5.800      0.000        1.000       1.000
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75.31	0.000	0.000	Strato1_2_8_L_0									
31 D	15.25	3.3897E-03	47.50	76.26	114.0	80.85	UL-RL	1.6728E+04	-6.000	0.000	1.000	1.000
76.26	0.000	0.000	Strato1_2_8_L_0									
32 D	15.45	3.1463E-03	51.30	77.24	117.8	81.34	UL-RL	1.6728E+04	-6.200	0.000	1.000	1.000
77.24	0.000	0.000	Strato1_2_8_L_0									
33 D	15.65	2.9131E-03	55.10	78.27	121.6	81.90	UL-RL	1.6728E+04	-6.400	0.000	1.000	1.000
78.27	0.000	0.000	Strato1_2_8_L_0									
34 D	15.87	2.6905E-03	58.90	79.33	125.4	82.53	UL-RL	1.6728E+04	-6.600	0.000	1.000	1.000
79.33	0.000	0.000	Strato1_2_8_L_0									
35 D	16.09	2.4785E-03	62.70	80.44	129.2	83.22	UL-RL	1.6728E+04	-6.800	0.000	1.000	1.000
80.44	0.000	0.000	Strato1_2_8_L_0									
36 D	16.32	2.2771E-03	66.50	81.58	133.0	83.99	UL-RL	1.6728E+04	-7.000	0.000	1.000	1.000
81.58	0.000	0.000	Strato1_2_8_L_0									
37 D	16.55	2.0865E-03	70.30	82.77	136.8	84.82	UL-RL	1.6728E+04	-7.200	0.000	1.000	1.000
82.77	0.000	0.000	Strato1_2_8_L_0									
38 D	16.80	1.9065E-03	74.10	84.00	140.6	85.72	UL-RL	1.6728E+04	-7.400	0.000	1.000	1.000
84.00	0.000	0.000	Strato1_2_8_L_0									
39 D	17.05	1.7372E-03	77.90	85.27	144.4	86.69	UL-RL	1.6728E+04	-7.600	0.000	1.000	1.000
85.27	0.000	0.000	Strato1_2_8_L_0									
40 D	17.32	1.5785E-03	81.70	86.58	148.2	87.73	UL-RL	1.6728E+04	-7.800	0.000	1.000	1.000
86.58	0.000	0.000	Strato1_2_8_L_0									
41 D	17.59	1.4302E-03	85.50	87.93	152.0	88.83	UL-RL	1.6728E+04	-8.000	0.000	1.000	1.000
87.93	0.000	0.000	Strato1_2_8_L_0									
42 D	17.87	1.2921E-03	89.30	89.33	155.8	90.00	UL-RL	1.6728E+04	-8.200	0.000	1.000	1.000
89.33	0.000	0.000	Strato1_2_8_L_0									
43 D	18.15	1.1641E-03	93.10	90.76	159.6	91.24	UL-RL	1.6728E+04	-8.400	0.000	1.000	1.000
90.76	0.000	0.000	Strato1_2_8_L_0									
44 D	18.45	1.0459E-03	96.90	92.24	163.4	92.53	UL-RL	1.6728E+04	-8.600	0.000	1.000	1.000
92.24	0.000	0.000	Strato1_2_8_L_0									
45 D	18.75	9.3710E-04	100.7	93.75	167.2	93.88	UL-RL	1.6728E+04	-8.800	0.000	1.000	1.000
93.75	0.000	0.000	Strato1_2_8_L_0									
46 D	19.06	8.3747E-04	104.5	95.30	171.0	95.30	V-C	5576.	-9.000	0.000	1.000	1.000
95.30	0.000	0.000	Strato1_2_8_L_0									
47 D	19.36	7.4665E-04	108.3	96.81	174.8	96.81	V-C	5576.	-9.200	0.000	1.000	1.000
96.81	0.000	0.000	Strato1_2_8_L_0									
48 D	19.67	6.6424E-04	112.1	98.36	178.6	98.36	V-C	5576.	-9.400	0.000	1.000	1.000
98.36	0.000	0.000	Strato1_2_8_L_0									
49 D	19.99	5.8988E-04	115.9	99.96	182.4	99.96	V-C	5576.	-9.600	0.000	1.000	1.000
99.96	0.000	0.000	Strato1_2_8_L_0									
50 D	20.32	5.2315E-04	119.7	101.6	186.2	101.6	V-C	5576.	-9.800	0.000	1.000	1.000
101.6	0.000	0.000	Strato1_2_8_L_0									
51 D	20.66	4.6364E-04	123.5	103.3	190.0	103.3	V-C	5576.	-10.00	0.000	1.000	1.000
103.3	0.000	0.000	Strato1_2_8_L_0									
52 D	21.00	4.1094E-04	127.3	105.0	193.8	105.0	V-C	5576.	-10.20	0.000	1.000	1.000
105.0	0.000	0.000	Strato1_2_8_L_0									
53 D	21.35	3.6463E-04	131.1	106.8	197.6	106.8	V-C	5576.	-10.40	0.000	1.000	1.000
106.8	0.000	0.000	Strato1_2_8_L_0									
54 D	21.64	3.2430E-04	134.9	108.2	201.4	108.7	UL-RL	1.6728E+04	-10.60	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
55 D	21.93	2.8952E-04	138.7	109.7	205.2	110.7	UL-RL	1.6728E+04	-10.80	0.000	1.000	1.000
109.7	0.000	0.000	Strato1_2_8_L_0									
56 D	22.25	2.5988E-04	142.5	111.2	209.0	112.7	UL-RL	1.6728E+04	-11.00	0.000	1.000	1.000
111.2	0.000	0.000	Strato1_2_8_L_0									
57 D	22.58	2.3498E-04	146.3	112.9	212.8	114.7	UL-RL	1.6728E+04	-11.20	0.000	1.000	1.000
112.9	0.000	0.000	Strato1_2_8_L_0									
58 D	22.92	2.1442E-04	150.1	114.6	216.6	116.7	UL-RL	1.6728E+04	-11.40	0.000	1.000	1.000
114.6	0.000	0.000	Strato1_2_8_L_0									
59 D	23.28	1.9782E-04	153.9	116.4	220.4	118.7	UL-RL	1.6728E+04	-11.60	0.000	1.000	1.000
116.4	0.000	0.000	Strato1_2_8_L_0									
60 D	23.65	1.8480E-04	157.7	118.2	224.2	120.7	UL-RL	1.6728E+04	-11.80	0.000	1.000	1.000
118.2	0.000	0.000	Strato1_2_8_L_0									
61 D	24.03	1.7500E-04	161.5	120.1	228.0	122.7	UL-RL	1.6728E+04	-12.00	0.000	1.000	1.000
120.1	0.000	0.000	Strato1_2_8_L_0									
62 D	24.41	1.6807E-04	165.3	122.1	231.8	124.7	UL-RL	1.6728E+04	-12.20	0.000	1.000	1.000
122.1	0.000	0.000	Strato1_2_8_L_0									
63 D	24.81	1.6369E-04	169.1	124.1	235.6	126.6	UL-RL	1.6728E+04	-12.40	0.000	1.000	1.000
124.1	0.000	0.000	Strato1_2_8_L_0									
64 D	21.56	1.6153E-04	172.9	107.8	239.4	119.7	UL-RL	3.7671E+04	-12.60	0.000	1.000	1.000
107.8	0.000	0.000	Strato2_3095_82743_L_0									
65 D	21.97	1.6129E-04	176.9	109.8	243.4	121.7	UL-RL	3.7671E+04	-12.80	0.000	1.000	1.000
109.8	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.38	1.6270E-04	180.9	111.9	247.4	123.7	UL-RL	3.7671E+04	-13.00	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.81	1.6549E-04	184.9	114.0	251.4	125.7	UL-RL	3.7671E+04	-13.20	0.000	1.000	1.000
114.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.24	1.6944E-04	188.9	116.2	255.4	127.7	UL-RL	3.7671E+04	-13.40	0.000	1.000	1.000
116.2	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.68	1.7435E-04	192.9	118.4	259.4	129.7	UL-RL	3.7671E+04	-13.60	0.000	1.000	1.000
118.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.13	1.8001E-04	196.9	120.6	263.4	131.7	UL-RL	3.7671E+04	-13.80	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.58	1.8628E-04	200.9	122.9	267.4	133.7	UL-RL	3.7671E+04	-14.00	0.000	1.000	1.000
122.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.04	1.9301E-04	204.9	125.2	271.4	135.7	UL-RL	3.7671E+04	-14.20	0.000	1.000	1.000
125.2	0.000	0.000	Strato2_3095_82743_L_0									

73 D	25.49	2.0008E-04	208.9	127.5	275.4	137.7	UL-RL	3.7671E+04	-14.40	0.000	1.000	1.000	
127.5	0.000	0.000	Strato2_3095_82743_L_0										
74 D	25.95	2.0739E-04	212.9	129.8	279.4	139.7	UL-RL	3.7671E+04	-14.60	0.000	1.000	1.000	
129.8	0.000	0.000	Strato2_3095_82743_L_0										
75 D	26.41	2.1484E-04	216.9	132.1	283.4	141.7	UL-RL	3.7671E+04	-14.80	0.000	1.000	1.000	
132.1	0.000	0.000	Strato2_3095_82743_L_0										
76 D	26.87	2.2236E-04	220.9	134.4	287.4	143.7	UL-RL	3.7671E+04	-15.00	0.000	1.000	1.000	
134.4	0.000	0.000	Strato2_3095_82743_L_0										
77 D	27.33	2.2991E-04	224.9	136.7	291.4	145.7	UL-RL	3.7671E+04	-15.20	0.000	1.000	1.000	
136.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	27.79	2.3743E-04	228.9	139.0	295.4	147.7	UL-RL	3.7671E+04	-15.40	0.000	1.000	1.000	
139.0	0.000	0.000	Strato2_3095_82743_L_0										
79 D	28.25	2.4489E-04	232.9	141.3	299.4	149.7	UL-RL	3.7671E+04	-15.60	0.000	1.000	1.000	
141.3	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.71	2.5227E-04	236.9	143.6	303.4	151.7	UL-RL	3.7671E+04	-15.80	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
81 D	29.17	2.5956E-04	240.9	145.8	307.4	153.7	UL-RL	3.7671E+04	-16.00	0.000	1.000	1.000	
145.8	0.000	0.000	Strato2_3095_82743_L_0										
82 D	29.63	2.6676E-04	244.9	148.1	311.4	155.7	UL-RL	3.7671E+04	-16.20	0.000	1.000	1.000	
148.1	0.000	0.000	Strato2_3095_82743_L_0										
83 D	30.08	2.7386E-04	248.9	150.4	315.4	157.7	UL-RL	3.7671E+04	-16.40	0.000	1.000	1.000	
150.4	0.000	0.000	Strato2_3095_82743_L_0										
84 D	30.54	2.8087E-04	252.9	152.7	319.4	159.7	UL-RL	3.7671E+04	-16.60	0.000	1.000	1.000	
152.7	0.000	0.000	Strato2_3095_82743_L_0										
85 D	30.99	2.8781E-04	256.9	155.0	323.4	161.7	UL-RL	3.7671E+04	-16.80	0.000	1.000	1.000	
155.0	0.000	0.000	Strato2_3095_82743_L_0										
86 D	31.45	2.9468E-04	260.9	157.2	327.4	163.7	UL-RL	3.7671E+04	-17.00	0.000	1.000	1.000	
157.2	0.000	0.000	Strato2_3095_82743_L_0										
87 D	31.90	3.0150E-04	264.9	159.5	331.4	165.7	UL-RL	3.7671E+04	-17.20	0.000	1.000	1.000	
159.5	0.000	0.000	Strato2_3095_82743_L_0										
88 D	32.35	3.0829E-04	268.9	161.8	335.4	167.7	UL-RL	3.7671E+04	-17.40	0.000	1.000	1.000	
161.8	0.000	0.000	Strato2_3095_82743_L_0										
89 D	32.81	3.1505E-04	272.9	164.0	339.4	169.7	UL-RL	3.7671E+04	-17.60	0.000	1.000	1.000	
164.0	0.000	0.000	Strato2_3095_82743_L_0										
90 D	33.26	3.2180E-04	276.9	166.3	343.4	171.7	UL-RL	3.7671E+04	-17.80	0.000	1.000	1.000	
166.3	0.000	0.000	Strato2_3095_82743_L_0										
91 D	16.86	3.2855E-04	280.9	168.6	347.4	173.7	UL-RL	3.7671E+04	-18.00	0.000	1.000	1.000	
168.6	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  2.1550     -2.1550    -6.98819E-12 0.43100
    2  5.7365     -5.7365    -0.43100      1.5783
    3  9.5310     -9.5310     -1.5783      3.4845
    4  13.979     -13.979     -3.4845      6.2802
    5  18.637     -18.637     -6.2802      10.008
    6  23.801     -23.801     -10.008      14.768
    7  29.202     -29.202     -14.768      20.608
    8  35.052     -35.052     -20.608      27.619
    9  41.075     -41.075     -27.619      35.834
   10  47.525     -47.525     -35.834      45.339
   11  54.250     -54.250     -45.339      56.189
   12  61.379     -61.379     -56.189      68.465
   13  68.787     -68.787     -68.465      82.222
   14  76.582     -76.582     -82.222      97.539
   15  84.657     -84.657     -97.539      114.47
   16  2.3195     -2.3195     -114.47      114.93
   17  11.002     -11.002     -114.93      117.13
   18  20.048     -20.048     -117.13      121.14
   19  29.231     -29.231     -121.14      126.99
   20  37.647     -37.647     -126.99      134.52
   21  43.720     -43.720     -134.52      143.26
   22  47.504     -47.504     -143.26      152.76
   23  48.947     -48.947     -152.76      162.55
   24  48.079     -48.079     -162.55      172.17
   25  44.882     -44.882     -172.17      181.15
   26  40.856     -40.856     -181.15      189.32
   27  36.790     -36.790     -189.32      196.68
   28  32.724     -32.724     -196.68      203.22
   29  28.615     -28.615     -203.22      208.94
   30  24.502     -24.502     -208.94      213.84
   31  20.326     -20.326     -213.84      217.91
   32  16.142     -16.142     -217.91      221.14
   33  11.912     -11.912     -221.14      223.52
   34  7.6710     -7.6710     -223.52      225.05
   35  3.3826     -3.3826     -225.05      225.73
   36-0.92178     0.92178     -225.73      225.55
   37 -5.2757      5.2757     -225.55      224.49
   38 -9.6502      9.6502     -224.49      222.56
   39 -14.092      14.092     -222.56      219.74
   40 -18.560      18.560     -219.74      216.03
   41 -23.084      23.084     -216.03      211.41
   42 -27.471      27.471     -211.41      205.92
   43 -31.252      31.252     -205.92      199.67
   44 -34.438      34.438     -199.67      192.78
   45 -37.109      37.109     -192.78      185.36
   46 -39.289      39.289     -185.36      177.50
   47 -41.025      41.025     -177.50      169.30
   48 -42.323      42.323     -169.30      160.83
   49 -43.258      43.258     -160.83      152.18
   50 -43.836      43.836     -152.18      143.41
   51 -44.127      44.127     -143.41      134.59
   52 -44.133      44.133     -134.59      125.76
   53 -43.917      43.917     -125.76      116.98
   54 -43.420      43.420     -116.98      108.29
   55 -42.695      42.695     -108.29      99.755
   56 -41.748      41.748     -99.755      91.405
   57 -40.643      40.643     -91.405      83.277
   58 -39.381      39.381     -83.277      75.401
   59 -38.019      38.019     -75.401      67.797
   60 -36.556      36.556     -67.797      60.486
   61 -35.055      35.055     -60.486      53.475
   62 -33.496      33.496     -53.475      46.776
   63 -31.922      31.922     -46.776      40.391
```

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   64 -29.363      29.363     -40.391      34.518
   65 -26.814      26.814     -34.518      29.156
   66 -24.283      24.283     -29.156      24.299
   67 -21.818      21.818     -24.299      19.936
   68 -19.419      19.419     -19.936      16.052
   69 -17.135      17.135     -16.052      12.625
   70 -14.948      14.948     -12.625      9.6354
   71 -12.890      12.890     -9.6354      7.0574
   72 -10.948      10.948     -7.0574      4.8677
   73 -9.1509      9.1509     -4.8677      3.0376
   74 -7.4804      7.4804     -3.0376      1.5415
   75 -5.9602      5.9602     -1.5415     0.34945
   76 -4.5814      4.5814    -0.34945    -0.56683
   77 -3.3541      3.3541     0.56683     -1.2376
   78 -2.2580      2.2580      1.2376     -1.6892
   79 -1.3115      1.3115      1.6892     -1.9515
   80-0.49384     0.49384      1.9515     -2.0503
   81 0.17768    -0.17768      2.0503     -2.0148
   82 0.72372    -0.72372      2.0148     -1.8700
   83  1.1275     -1.1275      1.8700     -1.6445
   84  1.4001     -1.4001      1.6445     -1.3645
   85  1.5339     -1.5339      1.3645     -1.0577
   86  1.5482     -1.5482      1.0577    -0.74807
   87  1.4261     -1.4261     0.74807    -0.46285
   88  1.1858     -1.1858     0.46285    -0.22568
   89 0.81063    -0.81063     0.22568    -6.35576E-02
   90 0.31779    -0.31779     6.35576E-02-3.25473E-12


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -8.08417E-04 -8.08417E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2447E+06 RIMNOR=0.2773E+07
           RENORM= 7658.     REMNOR=0.2411E-18 RATIO =0.1769     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 225.7
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2447E+06 RDR   =0.2773E+07
           RATIOT=0.1769     RATIOR= 0.000
           MAX UN= 18.45     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.3087E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
```

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           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      2 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM= 1371.     REMNOR=0.9303E-18 RATIO =0.7484E-01 TOLER =0.1000E-03  NOT CONVERGED
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.7484E-01 RATIOR= 0.000
             MAX UN= 8.028     IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
             MIN UN=-.1610E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      3 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM= 1547.     REMNOR=0.4721E-17 RATIO =0.7952E-01 TOLER =0.1000E-03  NOT CONVERGED
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.7952E-01 RATIOR= 0.000
             MAX UN= 15.47     IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
             MIN UN=-.9287     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      4 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM= 575.1     REMNOR=0.1724E-16 RATIO =0.4848E-01 TOLER =0.1000E-03  NOT CONVERGED
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.4848E-01 RATIOR= 0.000
             MAX UN= 16.29     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
             MIN UN=-4.121     IEQ=   173 NODE     87 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      5 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM= 8.205     REMNOR=0.1047E-16 RATIO =0.5790E-02 TOLER =0.1000E-03  NOT CONVERGED
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.5790E-02 RATIOR= 0.000
             MAX UN= 2.852     IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
             MIN UN=-.1920     IEQ=   167 NODE     84 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      6 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM=0.3268E-02 REMNOR=0.5257E-17 RATIO =0.1156E-03 TOLER =0.1000E-03  NOT CONVERGED
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.1156E-03 RATIOR= 0.000
             MAX UN=0.1401E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
             MIN UN=-.3754E-01 IEQ=   171 NODE     86 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER      7 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.2447E+06 RIMNOR=0.2773E+07
             RENORM=0.1633E-04 REMNOR=0.3455E-17 RATIO =0.8169E-05 TOLER =0.1000E-03      CONVERGED !
             RFMAX = 90.74     RMMAX = 225.7
             RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
             RDT   =0.2447E+06 RDR   =0.2773E+07
             RATIOT=0.8169E-05 RATIOR= 0.000
             MAX UN=0.2436E-02 IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
             MIN UN=-.1337E-02 IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
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New Project
SOLUTION REACHED USING     7 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.4947473E-02  -3.9399556E-03
    2   6.4159484E-02  -3.9399305E-03
    3   6.3371507E-02  -3.9398179E-03
    4   6.2583568E-02  -3.9395390E-03
    5   6.1795709E-02  -3.9389976E-03
    6   6.1007994E-02  -3.9380801E-03
    7   6.0220510E-02  -3.9366588E-03
    8   5.9433373E-02  -3.9345908E-03
    9   5.8646728E-02  -3.9317194E-03
   10   5.7860750E-02  -3.9278750E-03
   11   5.7075655E-02  -3.9228757E-03
   12   5.6291690E-02  -3.9165254E-03
   13   5.5509148E-02  -3.9086139E-03
   14   5.4728364E-02  -3.8989170E-03
   15   5.3949717E-02  -3.8871967E-03
   16   5.3173637E-02  -3.8732011E-03
   17   5.2400286E-02  -3.8614503E-03
   18   5.1628606E-02  -3.8564514E-03
   19   5.0857275E-02  -3.8579127E-03
   20   5.0085031E-02  -3.8655288E-03
   21   4.9310675E-02  -3.8789806E-03
   22   4.8533072E-02  -3.8979351E-03
   23   4.7751157E-02  -3.9220456E-03
   24   4.6963938E-02  -3.9509516E-03
   25   4.6170485E-02  -3.9842799E-03
   26   4.5369957E-02  -4.0216437E-03
   27   4.4561586E-02  -4.0626427E-03
   28   4.3744685E-02  -4.1068628E-03
   29   4.2918658E-02  -4.1538760E-03
   30   4.2082982E-02  -4.2032414E-03
   31   4.1237235E-02  -4.2545037E-03
   32   4.0381085E-02  -4.3071945E-03
   33   3.9514294E-02  -4.3608324E-03
   34   3.8636722E-02  -4.4149220E-03
   35   3.7748334E-02  -4.4689544E-03
   36   3.6849184E-02  -4.5224075E-03
   37   3.5939445E-02  -4.5747449E-03
   38   3.5019397E-02  -4.6254167E-03
   39   3.4089427E-02  -4.6738597E-03
   40   3.3150045E-02  -4.7194967E-03
   41   3.2201859E-02  -4.7617383E-03
   42   3.1245597E-02  -4.7999814E-03
   43   3.0282156E-02  -4.8336071E-03
   44   2.9312509E-02  -4.8619852E-03
   45   2.8337759E-02  -4.8844715E-03
   46   2.7359155E-02  -4.9004351E-03
   47   2.6378057E-02  -4.9093142E-03
   48   2.5395932E-02  -4.9106432E-03
   49   2.4414333E-02  -4.9040527E-03
   50   2.3434862E-02  -4.8892691E-03
   51   2.2459183E-02  -4.8661149E-03
   52   2.1488970E-02  -4.8345084E-03
   53   2.0525933E-02  -4.7944646E-03
   54   1.9571740E-02  -4.7460938E-03
   55   1.8628037E-02  -4.6896030E-03
   56   1.7696420E-02  -4.6252953E-03
   57   1.6778413E-02  -4.5535697E-03
   58   1.5875453E-02  -4.4749214E-03
   59   1.4988868E-02  -4.3899193E-03
   60   1.4119870E-02  -4.2991506E-03
   61   1.3269554E-02  -4.2031892E-03
   62   1.2438903E-02  -4.1025959E-03
   63   1.1628788E-02  -3.9979192E-03
   64   1.0839972E-02  -3.8896952E-03
   65   1.0073098E-02  -3.7786538E-03
   66   9.3286371E-03  -3.6657098E-03
   67   8.6068814E-03  -3.5517507E-03
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68	7.9079815E-03	-3.4376431E-03
69	7.2318143E-03	-3.3242109E-03
70	6.5781976E-03	-3.2122714E-03
71	5.9467536E-03	-3.1026130E-03
72	5.3369492E-03	-2.9960022E-03
73	4.7480999E-03	-2.8931843E-03
74	4.1793743E-03	-2.7948848E-03
75	3.6297977E-03	-2.7018100E-03
76	3.0982561E-03	-2.6146482E-03
77	2.5835004E-03	-2.5340553E-03
78	2.0841593E-03	-2.4605813E-03
79	1.5987678E-03	-2.3946088E-03
80	1.1258014E-03	-2.3363519E-03
81	6.6370935E-04	-2.2858606E-03
82	2.1094680E-04	-2.2430250E-03
83	-2.3399328E-04	-2.2075786E-03
84	-6.7254927E-04	-2.1791015E-03
85	-1.1060836E-03	-2.1570452E-03
86	-1.5357741E-03	-2.1407640E-03
87	-1.9627247E-03	-2.1295150E-03
88	-2.3878602E-03	-2.1224675E-03
89	-2.8119305E-03	-2.1187029E-03
90	-3.2354931E-03	-2.1172146E-03
91	-3.6588952E-03	-2.1169083E-03

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.057	-6.4947E-02	28.20	10.57	28.20	21.55	ACTIVE	0.000	0.000	0.000	1.000	1.000	10.57	0.000	0.000	Strato1_2_8_L_0
2 D	1.568	-6.4159E-02	20.90	7.838	20.90	17.91	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	7.838	0.000	0.000	Strato1_2_8_L_0
3 D	1.758	-6.3372E-02	23.44	8.791	23.44	18.97	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	8.791	0.000	0.000	Strato1_2_8_L_0
4 D	2.294	-6.2584E-02	30.59	11.47	30.59	22.24	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	11.47	0.000	0.000	Strato1_2_8_L_0
5 D	2.483	-6.1796E-02	33.11	12.42	33.11	23.29	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	12.42	0.000	0.000	Strato1_2_8_L_0
6 D	2.903	-6.1008E-02	38.70	14.51	38.70	25.82	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.51	0.000	0.000	Strato1_2_8_L_0
7 D	3.114	-6.0221E-02	41.51	15.57	41.51	27.01	ACTIVE	0.000	-1.200	0.000	1.000	1.000	15.57	0.000	0.000	Strato1_2_8_L_0
8 D	3.490	-5.9433E-02	46.53	17.45	46.53	29.25	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.45	0.000	0.000	Strato1_2_8_L_0
9 D	3.650	-5.8647E-02	48.67	18.25	48.67	30.11	ACTIVE	0.000	-1.600	0.000	1.000	1.000	18.25	0.000	0.000	Strato1_2_8_L_0
10 D	4.012	-5.7861E-02	53.49	20.06	53.49	32.25	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.06	0.000	0.000	Strato1_2_8_L_0
11 D	4.253	-5.7076E-02	56.71	21.26	56.71	33.62	ACTIVE	0.000	-2.000	0.000	1.000	1.000	21.26	0.000	0.000	Strato1_2_8_L_0
12 D	4.598	-5.6292E-02	61.31	22.99	61.31	35.65	ACTIVE	0.000	-2.200	0.000	1.000	1.000	22.99	0.000	0.000	Strato1_2_8_L_0
13 D	4.845	-5.5509E-02	64.60	24.23	64.60	37.04	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.23	0.000	0.000	Strato1_2_8_L_0
14 D	5.180	-5.4728E-02	69.07	25.90	69.07	38.98	ACTIVE	0.000	-2.600	0.000	1.000	1.000	25.90	0.000	0.000	Strato1_2_8_L_0
15 D	5.431	-5.3950E-02	72.41	27.15	72.41	40.37	ACTIVE	0.000	-2.800	0.000	1.000	1.000	27.15	0.000	0.000	Strato1_2_8_L_0
16 D	5.722	-5.3174E-02	76.30	28.61	76.30	42.01	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.61	0.000	0.000	Strato1_2_8_L_0
17 D	5.979	-5.2400E-02	79.72	29.90	79.72	43.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000	29.90	0.000	0.000	Strato1_2_8_L_0

18 D	6.303	-5.1629E-02	84.04	31.52	84.04	45.23	ACTIVE	0.000	-3.400	0.000	1.000	1.000
31.52	0.000	0.000	Strato1_2_8_L_0									
19 D	6.562	-5.0857E-02	87.50	32.81	87.50	46.63	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.81	0.000	0.000	Strato1_2_8_L_0									
20 D	6.882	-5.0085E-02	91.76	34.41	91.76	48.63	ACTIVE	0.000	-3.800	0.000	1.000	1.000
34.41	0.000	0.000	Strato1_2_8_L_0									
21 D	7.143	-4.9311E-02	95.24	35.72	95.24	50.48	ACTIVE	0.000	-4.000	0.000	1.000	1.000
35.72	0.000	0.000	Strato1_2_8_L_0									
22 D	7.459	-4.8533E-02	99.45	37.29	99.45	52.71	ACTIVE	0.000	-4.200	0.000	1.000	1.000
37.29	0.000	0.000	Strato1_2_8_L_0									
23 D	7.722	-4.7751E-02	103.0	38.61	103.0	54.57	ACTIVE	0.000	-4.400	0.000	1.000	1.000
38.61	0.000	0.000	Strato1_2_8_L_0									
24 D	8.011	-4.6964E-02	106.8	40.05	106.8	56.61	ACTIVE	0.000	-4.600	0.000	1.000	1.000
40.05	0.000	0.000	Strato1_2_8_L_0									
25 D	8.276	-4.6170E-02	110.3	41.38	110.3	58.48	ACTIVE	0.000	-4.800	0.000	1.000	1.000
41.38	0.000	0.000	Strato1_2_8_L_0									
26 D	8.587	-4.5370E-02	114.5	42.94	114.5	60.68	ACTIVE	0.000	-5.000	0.000	1.000	1.000
42.94	0.000	0.000	Strato1_2_8_L_0									
27 D	8.854	-4.4562E-02	118.1	44.27	118.1	62.57	ACTIVE	0.000	-5.200	0.000	1.000	1.000
44.27	0.000	0.000	Strato1_2_8_L_0									
28 D	9.163	-4.3745E-02	122.2	45.82	122.2	64.75	ACTIVE	0.000	-5.400	0.000	1.000	1.000
45.82	0.000	0.000	Strato1_2_8_L_0									
29 D	9.431	-4.2919E-02	125.7	47.15	125.7	66.65	ACTIVE	0.000	-5.600	0.000	1.000	1.000
47.15	0.000	0.000	Strato1_2_8_L_0									
30 D	9.738	-4.2083E-02	129.8	48.69	129.8	68.82	ACTIVE	0.000	-5.800	0.000	1.000	1.000
48.69	0.000	0.000	Strato1_2_8_L_0									
31 D	9.988	-4.1237E-02	133.2	49.94	133.2	70.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000
49.94	0.000	0.000	Strato1_2_8_L_0									
32 D	10.29	-4.0381E-02	137.3	51.47	137.3	72.75	ACTIVE	0.000	-6.200	0.000	1.000	1.000
51.47	0.000	0.000	Strato1_2_8_L_0									
33 D	10.56	-3.9514E-02	140.9	52.82	140.9	74.66	ACTIVE	0.000	-6.400	0.000	1.000	1.000
52.82	0.000	0.000	Strato1_2_8_L_0									
34 D	10.87	-3.8637E-02	144.9	54.35	144.9	76.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
54.35	0.000	0.000	Strato1_2_8_L_0									
35 D	11.14	-3.7748E-02	148.5	55.70	148.5	78.73	ACTIVE	0.000	-6.800	0.000	1.000	1.000
55.70	0.000	0.000	Strato1_2_8_L_0									
36 D	11.44	-3.6849E-02	152.6	57.22	152.6	80.87	ACTIVE	0.000	-7.000	0.000	1.000	1.000
57.22	0.000	0.000	Strato1_2_8_L_0									
37 D	11.72	-3.5939E-02	156.2	58.58	156.2	82.79	ACTIVE	0.000	-7.200	0.000	1.000	1.000
58.58	0.000	0.000	Strato1_2_8_L_0									
38 D	12.02	-3.5019E-02	160.2	60.09	160.2	84.93	ACTIVE	0.000	-7.400	0.000	1.000	1.000
60.09	0.000	0.000	Strato1_2_8_L_0									
39 D	12.28	-3.4089E-02	163.7	61.38	163.7	86.74	ACTIVE	0.000	-7.600	0.000	1.000	1.000
61.38	0.000	0.000	Strato1_2_8_L_0									
40 D	12.58	-3.3150E-02	167.7	62.88	167.7	88.88	ACTIVE	0.000	-7.800	0.000	1.000	1.000
62.88	0.000	0.000	Strato1_2_8_L_0									
41 D	12.85	-3.2202E-02	171.3	64.25	171.3	90.81	ACTIVE	0.000	-8.000	0.000	1.000	1.000
64.25	0.000	0.000	Strato1_2_8_L_0									
42 D	13.15	-3.1246E-02	175.3	65.75	175.3	92.93	ACTIVE	0.000	-8.200	0.000	1.000	1.000
65.75	0.000	0.000	Strato1_2_8_L_0									
43 D	13.42	-3.0282E-02	179.0	67.12	179.0	94.86	ACTIVE	0.000	-8.400	0.000	1.000	1.000
67.12	0.000	0.000	Strato1_2_8_L_0									
44 D	13.72	-2.9313E-02	183.0	68.62	183.0	96.98	ACTIVE	0.000	-8.600	0.000	1.000	1.000
68.62	0.000	0.000	Strato1_2_8_L_0									
45 D	14.00	-2.8338E-02	186.6	69.99	186.6	98.92	ACTIVE	0.000	-8.800	0.000	1.000	1.000
69.99	0.000	0.000	Strato1_2_8_L_0									
46 D	14.29	-2.7359E-02	190.5	71.43	190.5	100.9	ACTIVE	0.000	-9.000	0.000	1.000	1.000
71.43	0.000	0.000	Strato1_2_8_L_0									
47 D	14.56	-2.6378E-02	194.1	72.80	194.1	102.9	ACTIVE	0.000	-9.200	0.000	1.000	1.000
72.80	0.000	0.000	Strato1_2_8_L_0									
48 D	14.86	-2.5396E-02	198.1	74.29	198.1	105.0	ACTIVE	0.000	-9.400	0.000	1.000	1.000
74.29	0.000	0.000	Strato1_2_8_L_0									
49 D	15.13	-2.4414E-02	201.8	75.67	201.8	106.9	ACTIVE	0.000	-9.600	0.000	1.000	1.000
75.67	0.000	0.000	Strato1_2_8_L_0									
50 D	15.43	-2.3435E-02	205.8	77.16	205.8	109.1	ACTIVE	0.000	-9.800	0.000	1.000	1.000
77.16	0.000	0.000	Strato1_2_8_L_0									
51 D	15.71	-2.2459E-02	209.4	78.53	209.4	111.0	ACTIVE	0.000	-10.00	0.000	1.000	1.000
78.53	0.000	0.000	Strato1_2_8_L_0									
52 D	16.00	-2.1489E-02	213.4	80.02	213.4	113.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000
80.02	0.000	0.000	Strato1_2_8_L_0									
53 D	16.28	-2.0526E-02	217.1	81.40	217.1	115.0	ACTIVE	0.000	-10.40	0.000	1.000	1.000
81.40	0.000	0.000	Strato1_2_8_L_0									
54 D	16.57	-1.9572E-02	220.9	82.83	220.9	117.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000
82.83	0.000	0.000	Strato1_2_8_L_0									
55 D	16.84	-1.8628E-02	224.6	84.21	224.6	119.0	ACTIVE	0.000	-10.80	0.000	1.000	1.000
84.21	0.000	0.000	Strato1_2_8_L_0									
56 D	17.14	-1.7696E-02	228.5	85.70	228.5	121.1	ACTIVE	0.000	-11.00	0.000	1.000	1.000
85.70	0.000	0.000	Strato1_2_8_L_0									
57 D	17.42	-1.6778E-02	232.2	87.08	232.2	123.1	ACTIVE	0.000	-11.20	0.000	1.000	1.000
87.08	0.000	0.000	Strato1_2_8_L_0									
58 D	17.71	-1.5875E-02	236.2	88.56	236.2	125.2	ACTIVE	0.000	-11.40	0.000	1.000	1.000
88.56	0.000	0.000	Strato1_2_8_L_0									
59 D	17.99	-1.4989E-02	239.9	89.94	239.9	127.1	ACTIVE	0.000	-11.60	0.000	1.000	1.000
89.94	0.000	0.000	Strato1_2_8_L_0									
60 D	18.28	-1.4120E-02	243.8	91.42	243.8	129.2	ACTIVE	0.000	-11.80	0.000	1.000	1.000

91.42	0.000	0.000	Strato1_2_8_L_0										
61 D	18.55	-1.3270E-02	247.4	92.76	247.4	131.1	ACTIVE	0.000	-12.00	0.000	1.000	1.000	
92.76	0.000	0.000	Strato1_2_8_L_0										
62 D	18.85	-1.2439E-02	251.3	94.24	251.3	133.2	ACTIVE	0.000	-12.20	0.000	1.000	1.000	
94.24	0.000	0.000	Strato1_2_8_L_0										
63 D	19.13	-1.1629E-02	255.0	95.63	255.0	135.2	ACTIVE	0.000	-12.40	0.000	1.000	1.000	
95.63	0.000	0.000	Strato1_2_8_L_0										
64 D	12.03	-1.0840E-02	258.9	60.15	258.9	129.5	ACTIVE	0.000	-12.60	0.000	1.000	1.000	
60.15	0.000	0.000	Strato2_3095_82743_L_0										
65 D	12.26	-1.0073E-02	262.8	61.32	262.8	131.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000	
61.32	0.000	0.000	Strato2_3095_82743_L_0										
66 D	12.51	-9.3286E-03	267.0	62.56	267.0	133.5	ACTIVE	0.000	-13.00	0.000	1.000	1.000	
62.56	0.000	0.000	Strato2_3095_82743_L_0										
67 D	12.75	-8.6069E-03	270.9	63.73	270.9	135.4	ACTIVE	0.000	-13.20	0.000	1.000	1.000	
63.73	0.000	0.000	Strato2_3095_82743_L_0										
68 D	12.99	-7.9080E-03	275.0	64.97	275.0	137.5	ACTIVE	0.000	-13.40	0.000	1.000	1.000	
64.97	0.000	0.000	Strato2_3095_82743_L_0										
69 D	13.22	-7.2318E-03	278.8	66.11	278.8	139.4	ACTIVE	0.000	-13.60	0.000	1.000	1.000	
66.11	0.000	0.000	Strato2_3095_82743_L_0										
70 D	13.47	-6.5782E-03	282.9	67.35	282.9	141.5	UL-RL	2.2067E+04	-13.80	0.000	1.000	1.000	
67.35	0.000	0.000	Strato2_3095_82743_L_0										
71 D	13.70	-5.9468E-03	286.8	68.52	286.8	143.4	UL-RL	2.2067E+04	-14.00	0.000	1.000	1.000	
68.52	0.000	0.000	Strato2_3095_82743_L_0										
72 D	13.95	-5.3369E-03	290.9	69.76	290.9	145.5	UL-RL	2.2067E+04	-14.20	0.000	1.000	1.000	
69.76	0.000	0.000	Strato2_3095_82743_L_0										
73 D	14.19	-4.7481E-03	294.9	70.94	294.9	147.4	UL-RL	2.2067E+04	-14.40	0.000	1.000	1.000	
70.94	0.000	0.000	Strato2_3095_82743_L_0										
74 D	14.43	-4.1794E-03	299.0	72.17	299.0	149.5	UL-RL	2.2067E+04	-14.60	0.000	1.000	1.000	
72.17	0.000	0.000	Strato2_3095_82743_L_0										
75 D	14.67	-3.6298E-03	302.9	73.35	302.9	151.4	UL-RL	2.2067E+04	-14.80	0.000	1.000	1.000	
73.35	0.000	0.000	Strato2_3095_82743_L_0										
76 D	15.56	-3.0983E-03	306.9	77.79	306.9	153.5	UL-RL	2.2067E+04	-15.00	0.000	1.000	1.000	
77.79	0.000	0.000	Strato2_3095_82743_L_0										
77 D	18.17	-2.5835E-03	310.8	90.86	310.8	155.4	UL-RL	2.2067E+04	-15.20	0.000	1.000	1.000	
90.86	0.000	0.000	Strato2_3095_82743_L_0										
78 D	20.74	-2.0842E-03	314.9	103.7	314.9	157.5	UL-RL	2.2067E+04	-15.40	0.000	1.000	1.000	
103.7	0.000	0.000	Strato2_3095_82743_L_0										
79 D	23.22	-1.5988E-03	318.8	116.1	318.8	159.4	UL-RL	2.2067E+04	-15.60	0.000	1.000	1.000	
116.1	0.000	0.000	Strato2_3095_82743_L_0										
80 D	25.67	-1.1258E-03	323.0	128.4	323.0	161.5	UL-RL	2.2067E+04	-15.80	0.000	1.000	1.000	
128.4	0.000	0.000	Strato2_3095_82743_L_0										
81 D	28.06	-6.6371E-04	326.9	140.3	326.9	163.4	UL-RL	2.2067E+04	-16.00	0.000	1.000	1.000	
140.3	0.000	0.000	Strato2_3095_82743_L_0										
82 D	30.42	-2.1095E-04	331.0	152.1	331.0	165.5	UL-RL	2.2067E+04	-16.20	0.000	1.000	1.000	
152.1	0.000	0.000	Strato2_3095_82743_L_0										
83 D	32.73	2.3399E-04	334.9	163.6	334.9	167.4	UL-RL	2.2067E+04	-16.40	0.000	1.000	1.000	
163.6	0.000	0.000	Strato2_3095_82743_L_0										
84 D	34.03	6.7255E-04	338.9	170.1	338.9	171.9	UL-RL	2.2067E+04	-16.60	0.000	1.000	1.000	
170.1	0.000	0.000	Strato2_3095_82743_L_0										
85 D	35.23	1.1061E-03	342.8	176.2	342.8	176.5	UL-RL	2.2067E+04	-16.80	0.000	1.000	1.000	
176.2	0.000	0.000	Strato2_3095_82743_L_0										
86 D	36.28	1.5358E-03	346.9	181.4	346.9	181.6	UL-RL	2.2067E+04	-17.00	0.000	1.000	1.000	
181.4	0.000	0.000	Strato2_3095_82743_L_0										
87 D	37.29	1.9627E-03	350.9	186.4	350.9	186.6	UL-RL	2.2067E+04	-17.20	0.000	1.000	1.000	
186.4	0.000	0.000	Strato2_3095_82743_L_0										
88 D	38.32	2.3879E-03	355.0	191.6	355.0	191.7	UL-RL	2.2067E+04	-17.40	0.000	1.000	1.000	
191.6	0.000	0.000	Strato2_3095_82743_L_0										
89 D	39.32	2.8119E-03	358.9	196.6	358.9	196.7	UL-RL	2.2067E+04	-17.60	0.000	1.000	1.000	
196.6	0.000	0.000	Strato2_3095_82743_L_0										
90 D	40.35	3.2355E-03	363.0	201.8	363.0	201.8	UL-RL	2.2067E+04	-17.80	0.000	1.000	1.000	
201.8	0.000	0.000	Strato2_3095_82743_L_0										
91 D	20.67	3.6589E-03	366.8	206.7	366.8	206.7	V-C	7356.	-18.00	0.000	1.000	1.000	
206.7	0.000	0.000	Strato2_3095_82743_L_0										

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+------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                        |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                   Exe Time :29 July 2019      17:58:40                                                 |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P N O.   2

0_R :
ELEMENT TYPE   5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S   4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000	0.000	0.000	not available									
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
45 D	1.154	2.8338E-02	1.900	5.772	167.2	93.88	PASSIVE	0.000	-8.800	0.000	1.000	1.000
5.772	0.000	0.000	Strato1_2_8_L_0									
46 D	3.463	2.7359E-02	5.700	17.32	171.0	95.30	PASSIVE	0.000	-9.000	0.000	1.000	1.000
17.32	0.000	0.000	Strato1_2_8_L_0									
47 D	5.772	2.6378E-02	9.500	28.86	174.8	96.81	PASSIVE	0.000	-9.200	0.000	1.000	1.000
28.86	0.000	0.000	Strato1_2_8_L_0									
48 D	8.081	2.5396E-02	13.30	40.41	178.6	98.36	PASSIVE	0.000	-9.400	0.000	1.000	1.000
40.41	0.000	0.000	Strato1_2_8_L_0									
49 D	10.39	2.4414E-02	17.10	51.95	182.4	99.96	PASSIVE	0.000	-9.600	0.000	1.000	1.000
51.95	0.000	0.000	Strato1_2_8_L_0									
50 D	12.70	2.3435E-02	20.90	63.49	186.2	101.6	PASSIVE	0.000	-9.800	0.000	1.000	1.000
63.49	0.000	0.000	Strato1_2_8_L_0									
51 D	15.01	2.2459E-02	24.70	75.04	190.0	103.3	PASSIVE	0.000	-10.00	0.000	1.000	1.000
75.04	0.000	0.000	Strato1_2_8_L_0									
52 D	17.32	2.1489E-02	28.50	86.58	193.8	105.0	PASSIVE	0.000	-10.20	0.000	1.000	1.000
86.58	0.000	0.000	Strato1_2_8_L_0									
53 D	19.63	2.0526E-02	32.30	98.13	197.6	106.8	PASSIVE	0.000	-10.40	0.000	1.000	1.000
98.13	0.000	0.000	Strato1_2_8_L_0									
54 D	21.93	1.9572E-02	36.10	109.7	201.4	109.7	PASSIVE	0.000	-10.60	0.000	1.000	1.000
109.7	0.000	0.000	Strato1_2_8_L_0									
55 D	24.24	1.8628E-02	39.90	121.2	205.2	121.2	PASSIVE	0.000	-10.80	0.000	1.000	1.000
121.2	0.000	0.000	Strato1_2_8_L_0									
56 D	26.55	1.7696E-02	43.70	132.8	209.0	132.8	PASSIVE	0.000	-11.00	0.000	1.000	1.000
132.8	0.000	0.000	Strato1_2_8_L_0									
57 D	28.86	1.6778E-02	47.50	144.3	212.8	144.3	PASSIVE	0.000	-11.20	0.000	1.000	1.000
144.3	0.000	0.000	Strato1_2_8_L_0									
58 D	30.22	1.5875E-02	51.30	151.1	216.6	151.1	V-C	2243.	-11.40	0.000	1.000	1.000
151.1	0.000	0.000	Strato1_2_8_L_0									
59 D	30.22	1.4989E-02	55.10	151.1	220.4	151.1	V-C	2243.	-11.60	0.000	1.000	1.000
151.1	0.000	0.000	Strato1_2_8_L_0									
60 D	30.22	1.4120E-02	58.90	151.1	224.2	151.1	V-C	2243.	-11.80	0.000	1.000	1.000
151.1	0.000	0.000	Strato1_2_8_L_0									
61 D	30.24	1.3270E-02	62.70	151.2	228.0	151.2	V-C	2243.	-12.00	0.000	1.000	1.000
151.2	0.000	0.000	Strato1_2_8_L_0									
62 D	30.26	1.2439E-02	66.50	151.3	231.8	151.3	V-C	2243.	-12.20	0.000	1.000	1.000
151.3	0.000	0.000	Strato1_2_8_L_0									
63 D	30.30	1.1629E-02	70.30	151.5	235.6	151.5	V-C	2243.	-12.40	0.000	1.000	1.000
151.5	0.000	0.000	Strato1_2_8_L_0									
64 D	31.59	1.0840E-02	74.10	158.0	239.4	158.0	V-C	5052.	-12.60	0.000	1.000	1.000
158.0	0.000	0.000	Strato2_3095_82743_L_0									
65 D	31.24	1.0073E-02	78.10	156.2	243.4	156.2	V-C	5052.	-12.80	0.000	1.000	1.000
156.2	0.000	0.000	Strato2_3095_82743_L_0									
66 D	30.91	9.3286E-03	82.10	154.6	247.4	154.6	V-C	5052.	-13.00	0.000	1.000	1.000
154.6	0.000	0.000	Strato2_3095_82743_L_0									
67 D	30.61	8.6069E-03	86.10	153.0	251.4	153.0	V-C	5052.	-13.20	0.000	1.000	1.000
153.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	30.33	7.9080E-03	90.10	151.6	255.4	151.6	V-C	5052.	-13.40	0.000	1.000	1.000
151.6	0.000	0.000	Strato2_3095_82743_L_0									
69 D	30.07	7.2318E-03	94.10	150.3	259.4	150.3	V-C	5052.	-13.60	0.000	1.000	1.000
150.3	0.000	0.000	Strato2_3095_82743_L_0									
70 D	29.83	6.5782E-03	98.10	149.2	263.4	149.2	UL-RL	1.5155E+04	-13.80	0.000	1.000	1.000
149.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	29.62	5.9468E-03	102.1	148.1	267.4	148.1	UL-RL	1.5155E+04	-14.00	0.000	1.000	1.000
148.1	0.000	0.000	Strato2_3095_82743_L_0									
72 D	29.43	5.3369E-03	106.1	147.2	271.4	147.2	UL-RL	1.5155E+04	-14.20	0.000	1.000	1.000
147.2	0.000	0.000	Strato2_3095_82743_L_0									

73	D	29.26	4.7481E-03	110.1	146.3	275.4	146.3	UL-RL	1.5155E+04	-14.40	0.000	1.000	1.000
146.3		0.000	0.000	Strato2_3095_82743_L_0									
74	D	29.11	4.1794E-03	114.1	145.6	279.4	145.6	UL-RL	1.5155E+04	-14.60	0.000	1.000	1.000
145.6		0.000	0.000	Strato2_3095_82743_L_0									
75	D	28.98	3.6298E-03	118.1	144.9	283.4	144.9	UL-RL	1.5155E+04	-14.80	0.000	1.000	1.000
144.9		0.000	0.000	Strato2_3095_82743_L_0									
76	D	28.87	3.0983E-03	122.1	144.3	287.4	144.3	UL-RL	1.5155E+04	-15.00	0.000	1.000	1.000
144.3		0.000	0.000	Strato2_3095_82743_L_0									
77	D	28.04	2.5835E-03	126.1	140.2	291.4	145.7	UL-RL	1.5155E+04	-15.20	0.000	1.000	1.000
140.2		0.000	0.000	Strato2_3095_82743_L_0									
78	D	26.99	2.0842E-03	130.1	135.0	295.4	147.7	UL-RL	1.5155E+04	-15.40	0.000	1.000	1.000
135.0		0.000	0.000	Strato2_3095_82743_L_0									
79	D	25.99	1.5988E-03	134.1	129.9	299.4	149.7	UL-RL	1.5155E+04	-15.60	0.000	1.000	1.000
129.9		0.000	0.000	Strato2_3095_82743_L_0									
80	D	25.02	1.1258E-03	138.1	125.1	303.4	151.7	UL-RL	1.5155E+04	-15.80	0.000	1.000	1.000
125.1		0.000	0.000	Strato2_3095_82743_L_0									
81	D	24.08	6.6371E-04	142.1	120.4	307.4	153.7	UL-RL	1.5155E+04	-16.00	0.000	1.000	1.000
120.4		0.000	0.000	Strato2_3095_82743_L_0									
82	D	23.17	2.1095E-04	146.1	115.9	311.4	155.7	UL-RL	1.5155E+04	-16.20	0.000	1.000	1.000
115.9		0.000	0.000	Strato2_3095_82743_L_0									
83	D	22.28	-2.3399E-04	150.1	111.4	315.4	157.7	UL-RL	1.5155E+04	-16.40	0.000	1.000	1.000
111.4		0.000	0.000	Strato2_3095_82743_L_0									
84	D	21.41	-6.7255E-04	154.1	107.1	319.4	159.7	UL-RL	1.5155E+04	-16.60	0.000	1.000	1.000
107.1		0.000	0.000	Strato2_3095_82743_L_0									
85	D	20.56	-1.1061E-03	158.1	102.8	323.4	161.7	UL-RL	1.5155E+04	-16.80	0.000	1.000	1.000
102.8		0.000	0.000	Strato2_3095_82743_L_0									
86	D	19.71	-1.5358E-03	162.1	98.55	327.4	163.7	UL-RL	1.5155E+04	-17.00	0.000	1.000	1.000
98.55		0.000	0.000	Strato2_3095_82743_L_0									
87	D	18.87	-1.9627E-03	166.1	94.35	331.4	165.7	UL-RL	1.5155E+04	-17.20	0.000	1.000	1.000
94.35		0.000	0.000	Strato2_3095_82743_L_0									
88	D	18.04	-2.3879E-03	170.1	90.18	335.4	167.7	UL-RL	1.5155E+04	-17.40	0.000	1.000	1.000
90.18		0.000	0.000	Strato2_3095_82743_L_0									
89	D	17.20	-2.8119E-03	174.1	86.02	339.4	169.7	UL-RL	1.5155E+04	-17.60	0.000	1.000	1.000
86.02		0.000	0.000	Strato2_3095_82743_L_0									
90	D	16.37	-3.2355E-03	178.1	81.86	343.4	171.7	UL-RL	1.5155E+04	-17.80	0.000	1.000	1.000
81.86		0.000	0.000	Strato2_3095_82743_L_0									
91	D	7.771	-3.6589E-03	182.1	77.71	347.4	173.7	UL-RL	1.5155E+04	-18.00	0.000	1.000	1.000
77.71		0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      17:58:40                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.0575     -1.0575    -5.24076E-11 0.21150
    2  2.6250     -2.6250     -0.21150     0.73650
    3  4.3831     -4.3831     -0.73650      1.6131
    4  6.6770     -6.6770      -1.6131      2.9485
    5  9.1603     -9.1603      -2.9485      4.7806
    6  12.063     -12.063      -4.7806      7.1932
    7  15.177     -15.177      -7.1932      10.229
    8  18.667     -18.667      -10.229      13.962
    9  22.317     -22.317      -13.962      18.425
   10  26.329     -26.329      -18.425      23.691
   11  30.582     -30.582      -23.691      29.807
   12  35.180     -35.180      -29.807      36.843
   13  40.025     -40.025      -36.843      44.848
   14  45.205     -45.205      -44.848      53.889
   15  50.636     -50.636      -53.889      64.017
   16 -145.19      145.19      -64.017      34.978
   17 -139.21      139.21      -34.978      7.1356
   18 -132.91      132.91      -7.1356     -19.446
   19 -126.35      126.35       19.446     -44.716
   20 -119.47      119.47       44.716     -68.609
   21 -112.32      112.32       68.609     -91.073
   22 -104.86      104.86       91.073     -112.05
   23 -97.142      97.142       112.05     -131.47
   24 -89.131      89.131       131.47     -149.30
```

25	-80.855	80.855	149.30	-165.47
26	-72.268	72.268	165.47	-179.93
27	-63.414	63.414	179.93	-192.61
28	-54.250	54.250	192.61	-203.46
29	-44.819	44.819	203.46	-212.42
30	-35.081	35.081	212.42	-219.44
31	-25.093	25.093	219.44	-224.46
32	-14.798	14.798	224.46	-227.42
33	-4.2336	4.2336	227.42	-228.26
34	6.6359	-6.6359	228.26	-226.94
35	17.776	-17.776	226.94	-223.38
36	29.220	-29.220	223.38	-217.54
37	40.935	-40.935	217.54	-209.35
38	52.953	-52.953	209.35	-198.76
39	65.228	-65.228	198.76	-185.71
40	77.805	-77.805	185.71	-170.15
41	90.655	-90.655	170.15	-152.02
42	103.81	-103.81	152.02	-131.26
43	117.23	-117.23	131.26	-107.81
44	130.95	-130.95	107.81	-81.623
45	143.80	-143.80	81.623	-52.863
46	154.62	-154.62	52.863	-21.939
47	163.41	-163.41	21.939	10.743
48	170.18	-170.18	-10.743	44.779
49	174.93	-174.93	-44.779	79.765
50	177.66	-177.66	-79.765	115.30
51	178.36	-178.36	-115.30	150.97
52	177.05	-177.05	-150.97	186.38
53	173.70	-173.70	-186.38	221.12
54	168.34	-168.34	-221.12	254.79
55	160.94	-160.94	-254.79	286.97
56	151.52	-151.52	-286.97	317.28
57	140.08	-140.08	-317.28	345.29
58	127.56	-127.56	-345.29	370.81
59	115.33	-115.33	-370.81	393.87
60	103.40	-103.40	-393.87	414.55
61	91.711	-91.711	-414.55	432.90
62	80.296	-80.296	-432.90	448.95
63	69.121	-69.121	-448.95	462.78
64	49.558	-49.558	-462.78	472.69
65	30.581	-30.581	-472.69	478.81
66	12.180	-12.180	-478.81	481.24
67	-5.6812	5.6812	-481.24	480.11
68	-23.014	23.014	-480.11	475.50
69	-39.861	39.861	-475.50	467.53
70	-56.226	56.226	-467.53	456.29
71	-72.144	72.144	-456.29	441.86
72	-87.624	87.624	-441.86	424.33
73	-102.70	102.70	-424.33	403.79
74	-117.38	117.38	-403.79	380.32
75	-131.69	131.69	-380.32	353.98
76	-145.00	145.00	-353.98	324.98
77	-154.87	154.87	-324.98	294.00
78	-161.12	161.12	-294.00	261.78
79	-163.88	163.88	-261.78	229.00
80	-163.23	163.23	-229.00	196.36
81	-159.25	159.25	-196.36	164.51
82	-152.00	152.00	-164.51	134.11
83	-141.56	141.56	-134.11	105.80
84	-128.94	128.94	-105.80	80.007
85	-114.27	114.27	-80.007	57.154
86	-97.700	97.700	-57.154	37.614
87	-79.282	79.282	-37.614	21.758
88	-59.002	59.002	-21.758	9.9572
89	-36.882	36.882	-9.9572	2.5809
90	-12.904	12.904	-2.5809	5.62261E-12

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   208.66     -8.08417E-04  4.27565E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2019E+07 RIMNOR=0.1037E+08
           RENORM=0.2568E+05 REMNOR=0.3455E-17 RATIO =0.1128     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 201.6     RMMAX = 481.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2019E+07 RDR   =0.1037E+08
           RATIOT=0.1128     RATIOR= 0.000
           MAX UN= 1.060     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-160.0     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2019E+07 RIMNOR=0.1037E+08
           RENORM= 5.304     REMNOR=0.9416E-17 RATIO =0.1621E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 201.6     RMMAX = 481.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2019E+07 RDR   =0.1037E+08
           RATIOT=0.1621E-02 RATIOR= 0.000
           MAX UN= 1.074     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.7486     IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2019E+07 RIMNOR=0.1037E+08
           RENORM=0.7804     REMNOR=0.6290E-17 RATIO =0.6217E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 201.6     RMMAX = 481.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2019E+07 RDR   =0.1037E+08
           RATIOT=0.6217E-03 RATIOR= 0.000
           MAX UN=0.6292     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.1265E-07 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.2019E+07 RIMNOR=0.1037E+08
            RENORM=0.2298E-02 REMNOR=0.5664E-17 RATIO =0.3374E-04 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 201.6      RMMAX = 481.2
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT    =0.2019E+07 RDR    =0.1037E+08
            RATIOT=0.3374E-04 RATIOR= 0.000
            MAX UN=0.4720E-01 IEQ=     33 NODE     17 DOF    1  Y-DISPL.F
            MIN UN=-.8422E-02 IEQ=     89 NODE     45 DOF    1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0



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|                    PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                    Exe Time :29 July 2019      17:58:40                                                 |
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New Project
SOLUTION REACHED USING      4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F         X-ROT. F
            (02)              (04)             (
     1   6.6736969E-02  -4.4350803E-03
     2   6.5849955E-02  -4.4350463E-03
     3   6.4962959E-02  -4.4348892E-03
     4   6.4076015E-02  -4.4344946E-03
     5   6.3189185E-02  -4.4337306E-03
     6   6.2302557E-02  -4.4324481E-03
     7   6.1416252E-02  -4.4304837E-03
     8   6.0530421E-02  -4.4276590E-03
     9   5.9645258E-02  -4.4237816E-03
    10   5.8760993E-02  -4.4186463E-03
    11   5.7877898E-02  -4.4120357E-03
    12   5.6996292E-02  -4.4037179E-03
    13   5.6116541E-02  -4.3934472E-03
    14   5.5239061E-02  -4.3809638E-03
    15   5.4364321E-02  -4.3659940E-03
    16   5.3492848E-02  -4.3482505E-03
    17   5.2624906E-02  -4.3322362E-03
    18   5.1759539E-02  -4.3224423E-03
    19   5.0895536E-02  -4.3185403E-03
    20   5.0031753E-02  -4.3201810E-03
    21   4.9167119E-02  -4.3269941E-03
    22   4.8300637E-02  -4.3385890E-03
    23   4.7431392E-02  -4.3545545E-03
    24   4.6558557E-02  -4.3744589E-03
    25   4.5681380E-02  -4.3978513E-03
    26   4.4799215E-02  -4.4242608E-03
    27   4.3911507E-02  -4.4531967E-03
    28   4.3017802E-02  -4.4841485E-03
    29   4.2117753E-02  -4.5165860E-03
    30   4.1211110E-02  -4.5499601E-03
    31   4.0297745E-02  -4.5837022E-03
    32   3.9377644E-02  -4.6172251E-03
    33   3.8450910E-02  -4.6499236E-03
    34   3.7517771E-02  -4.6811743E-03
    35   3.6578584E-02  -4.7103353E-03
    36   3.5633824E-02  -4.7367477E-03
    37   3.4684113E-02  -4.7597349E-03
    38   3.3730205E-02  -4.7786035E-03
    39   3.2772994E-02  -4.7926435E-03
    40   3.1813523E-02  -4.8011297E-03
    41   3.0852966E-02  -4.8033215E-03
    42   2.9892645E-02  -4.7984634E-03
    43   2.8933828E-02  -4.7896086E-03
    44   2.7976870E-02  -4.7797967E-03
    45   2.7022031E-02  -4.7682313E-03
    46   2.6069748E-02  -4.7541073E-03
    47   2.5120611E-02  -4.7366491E-03
    48   2.4175357E-02  -4.7151631E-03
    49   2.3234858E-02  -4.6890570E-03
    50   2.2300080E-02  -4.6578394E-03
    51   2.1372089E-02  -4.6211213E-03
    52   2.0452008E-02  -4.5786154E-03
    53   1.9541032E-02  -4.5301390E-03
    54   1.8640356E-02  -4.4756107E-03
    55   1.7751189E-02  -4.4150537E-03
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    56   1.6874728E-02  -4.3485946E-03
    57   1.6012130E-02  -4.2764639E-03
    58   1.5164498E-02  -4.1989957E-03
    59   1.4332859E-02  -4.1166054E-03
    60   1.3518154E-02  -4.0297349E-03
    61   1.2721235E-02  -3.9388199E-03
    62   1.1942867E-02  -3.8442907E-03
    63   1.1183731E-02  -3.7465727E-03
    64   1.0444423E-02  -3.6460862E-03
    65   9.7254429E-03  -3.5434111E-03
    66   9.0271553E-03  -3.4392836E-03
    67   8.3497779E-03  -3.3344287E-03
    68   7.6934169E-03  -3.2295664E-03
    69   7.0579386E-03  -3.1253909E-03
    70   6.4431681E-03  -3.0226028E-03
    71   5.8487592E-03  -2.9218883E-03
    72   5.2742293E-03  -2.8239253E-03
    73   4.7189610E-03  -2.7293832E-03
    74   4.1822039E-03  -2.6389237E-03
    75   3.6630758E-03  -2.5532003E-03
    76   3.1605650E-03  -2.4728573E-03
    77   2.6735329E-03  -2.3985144E-03
    78   2.2007242E-03  -2.3306978E-03
    79   1.7407939E-03  -2.2697792E-03
    80   1.2923385E-03  -2.2159706E-03
    81   8.5392780E-04  -2.1693294E-03
    82   4.2413523E-04  -2.1297610E-03
    83   1.5680411E-06  -2.0970229E-03
    84  -4.1510341E-04  -2.0707270E-03
    85  -8.2713886E-04  -2.0503644E-03
    86  -1.2356255E-03  -2.0353367E-03
    87  -1.6415833E-03  -2.0249557E-03
    88  -2.0458663E-03  -2.0184534E-03
    89  -2.4491667E-03  -2.0149807E-03
    90  -2.8519986E-03  -2.0136081E-03
    91  -3.2546826E-03  -2.0133256E-03


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      17:58:40                                                  |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                                 :
ELEMENT TYPE      5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      5.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE        E FACTOR     UFACTOR
Peq            Su_a         Su_p       LAYER
----------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D    1.433      -6.6737E-02   38.20        14.33       38.20       21.55          ACTIVE   0.000        0.000       0.000          1.000        1.000
14.33        0.000        0.000     Strato1_2_8_L_0
   2 D    2.318      -6.5850E-02   30.90        11.59       30.90       17.91          ACTIVE   0.000      -0.2000       0.000          1.000        1.000
11.59        0.000        0.000     Strato1_2_8_L_0
   3 D    2.508      -6.4963E-02   33.44        12.54       33.44       18.97          ACTIVE   0.000      -0.4000       0.000          1.000        1.000
12.54        0.000        0.000     Strato1_2_8_L_0
   4 D    3.044      -6.4076E-02   40.59        15.22       40.59       22.24          ACTIVE   0.000      -0.6000       0.000          1.000        1.000
15.22        0.000        0.000     Strato1_2_8_L_0
   5 D    3.233      -6.3189E-02   43.11        16.17       43.11       23.29          ACTIVE   0.000      -0.8000       0.000          1.000        1.000
16.17        0.000        0.000     Strato1_2_8_L_0
   6 D    3.653      -6.2303E-02   48.70        18.26       48.70       25.82          ACTIVE   0.000       -1.000       0.000          1.000        1.000
18.26        0.000        0.000     Strato1_2_8_L_0
   7 D    3.864      -6.1416E-02   51.51        19.32       51.51       27.01          ACTIVE   0.000       -1.200       0.000          1.000        1.000
19.32        0.000        0.000     Strato1_2_8_L_0
   8 D    4.240      -6.0530E-02   56.53        21.20       56.53       29.25          ACTIVE   0.000       -1.400       0.000          1.000        1.000
21.20        0.000        0.000     Strato1_2_8_L_0
   9 D    4.400      -5.9645E-02   58.67        22.00       58.67       30.11          ACTIVE   0.000       -1.600       0.000          1.000        1.000
22.00        0.000        0.000     Strato1_2_8_L_0
  10 D    4.762      -5.8761E-02   63.49        23.81       63.49       32.25          ACTIVE   0.000       -1.800       0.000          1.000        1.000
23.81        0.000        0.000     Strato1_2_8_L_0
  11 D    5.003      -5.7878E-02   66.71        25.01       66.71       33.62          ACTIVE   0.000       -2.000       0.000          1.000        1.000
25.01        0.000        0.000     Strato1_2_8_L_0
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12 D	5.348	-5.6996E-02	71.31	26.74	71.31	35.65	ACTIVE	0.000	-2.200	0.000	1.000	1.000
26.74	0.000	0.000	Strato1_2_8_L_0									
13 D	5.595	-5.6117E-02	74.60	27.98	74.60	37.04	ACTIVE	0.000	-2.400	0.000	1.000	1.000
27.98	0.000	0.000	Strato1_2_8_L_0									
14 D	5.930	-5.5239E-02	79.07	29.65	79.07	38.98	ACTIVE	0.000	-2.600	0.000	1.000	1.000
29.65	0.000	0.000	Strato1_2_8_L_0									
15 D	6.181	-5.4364E-02	82.41	30.90	82.41	40.37	ACTIVE	0.000	-2.800	0.000	1.000	1.000
30.90	0.000	0.000	Strato1_2_8_L_0									
16 D	6.472	-5.3493E-02	86.30	32.36	86.30	42.01	ACTIVE	0.000	-3.000	0.000	1.000	1.000
32.36	0.000	0.000	Strato1_2_8_L_0									
17 D	6.729	-5.2625E-02	89.72	33.65	89.72	43.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000
33.65	0.000	0.000	Strato1_2_8_L_0									
18 D	7.155	-5.1760E-02	94.04	35.78	94.04	45.23	UL-RL	7951.	-3.400	0.000	1.000	1.000
35.78	0.000	0.000	Strato1_2_8_L_0									
19 D	7.562	-5.0896E-02	97.50	37.81	97.50	46.63	UL-RL	7951.	-3.600	0.000	1.000	1.000
37.81	0.000	0.000	Strato1_2_8_L_0									
20 D	8.027	-5.0032E-02	101.8	40.13	101.8	48.63	UL-RL	7951.	-3.800	0.000	1.000	1.000
40.13	0.000	0.000	Strato1_2_8_L_0									
21 D	8.431	-4.9167E-02	105.2	42.16	105.2	50.48	UL-RL	7951.	-4.000	0.000	1.000	1.000
42.16	0.000	0.000	Strato1_2_8_L_0									
22 D	8.888	-4.8301E-02	109.5	44.44	109.5	52.71	UL-RL	7951.	-4.200	0.000	1.000	1.000
44.44	0.000	0.000	Strato1_2_8_L_0									
23 D	9.290	-4.7431E-02	113.0	46.45	113.0	54.57	UL-RL	7951.	-4.400	0.000	1.000	1.000
46.45	0.000	0.000	Strato1_2_8_L_0									
24 D	9.715	-4.6559E-02	116.8	48.58	116.8	56.61	UL-RL	7951.	-4.600	0.000	1.000	1.000
48.58	0.000	0.000	Strato1_2_8_L_0									
25 D	10.11	-4.5681E-02	120.3	50.57	120.3	58.48	UL-RL	7951.	-4.800	0.000	1.000	1.000
50.57	0.000	0.000	Strato1_2_8_L_0									
26 D	10.56	-4.4799E-02	124.5	52.78	124.5	60.68	UL-RL	7951.	-5.000	0.000	1.000	1.000
52.78	0.000	0.000	Strato1_2_8_L_0									
27 D	10.95	-4.3912E-02	128.1	54.74	128.1	62.57	UL-RL	7951.	-5.200	0.000	1.000	1.000
54.74	0.000	0.000	Strato1_2_8_L_0									
28 D	11.38	-4.3018E-02	132.2	56.90	132.2	64.75	UL-RL	7951.	-5.400	0.000	1.000	1.000
56.90	0.000	0.000	Strato1_2_8_L_0									
29 D	11.76	-4.2118E-02	135.7	58.82	135.7	66.65	UL-RL	7951.	-5.600	0.000	1.000	1.000
58.82	0.000	0.000	Strato1_2_8_L_0									
30 D	12.18	-4.1211E-02	139.8	60.92	139.8	68.82	UL-RL	7951.	-5.800	0.000	1.000	1.000
60.92	0.000	0.000	Strato1_2_8_L_0									
31 D	12.54	-4.0298E-02	143.2	62.71	143.2	70.58	UL-RL	7951.	-6.000	0.000	1.000	1.000
62.71	0.000	0.000	Strato1_2_8_L_0									
32 D	12.95	-3.9378E-02	147.3	64.75	147.3	72.75	UL-RL	7951.	-6.200	0.000	1.000	1.000
64.75	0.000	0.000	Strato1_2_8_L_0									
33 D	13.32	-3.8451E-02	150.9	66.58	150.9	74.66	UL-RL	7951.	-6.400	0.000	1.000	1.000
66.58	0.000	0.000	Strato1_2_8_L_0									
34 D	13.71	-3.7518E-02	154.9	68.54	154.9	76.81	UL-RL	7951.	-6.600	0.000	1.000	1.000
68.54	0.000	0.000	Strato1_2_8_L_0									
35 D	14.06	-3.6579E-02	158.5	70.30	158.5	78.73	UL-RL	7951.	-6.800	0.000	1.000	1.000
70.30	0.000	0.000	Strato1_2_8_L_0									
36 D	14.44	-3.5634E-02	162.6	72.18	162.6	80.87	UL-RL	7951.	-7.000	0.000	1.000	1.000
72.18	0.000	0.000	Strato1_2_8_L_0									
37 D	14.77	-3.4684E-02	166.2	73.86	166.2	82.79	UL-RL	7951.	-7.200	0.000	1.000	1.000
73.86	0.000	0.000	Strato1_2_8_L_0									
38 D	15.13	-3.3730E-02	170.2	75.64	170.2	84.93	UL-RL	7951.	-7.400	0.000	1.000	1.000
75.64	0.000	0.000	Strato1_2_8_L_0									
39 D	15.43	-3.2773E-02	173.7	77.14	173.7	86.74	UL-RL	7951.	-7.600	0.000	1.000	1.000
77.14	0.000	0.000	Strato1_2_8_L_0									
40 D	15.76	-3.1814E-02	177.7	78.81	177.7	88.88	UL-RL	7951.	-7.800	0.000	1.000	1.000
78.81	0.000	0.000	Strato1_2_8_L_0									
41 D	16.05	-3.0853E-02	181.3	80.27	181.3	90.81	UL-RL	7951.	-8.000	0.000	1.000	1.000
80.27	0.000	0.000	Strato1_2_8_L_0									
42 D	16.36	-2.9893E-02	185.3	81.81	185.3	92.93	UL-RL	7951.	-8.200	0.000	1.000	1.000
81.81	0.000	0.000	Strato1_2_8_L_0									
43 D	16.63	-2.8934E-02	189.0	83.14	189.0	94.86	UL-RL	7951.	-8.400	0.000	1.000	1.000
83.14	0.000	0.000	Strato1_2_8_L_0									
44 D	16.91	-2.7977E-02	193.0	84.54	193.0	96.98	UL-RL	7951.	-8.600	0.000	1.000	1.000
84.54	0.000	0.000	Strato1_2_8_L_0									
45 D	17.15	-2.7022E-02	196.6	85.75	196.6	98.92	UL-RL	7951.	-8.800	0.000	1.000	1.000
85.75	0.000	0.000	Strato1_2_8_L_0									
46 D	17.40	-2.6070E-02	200.5	86.98	200.5	100.9	UL-RL	7951.	-9.000	0.000	1.000	1.000
86.98	0.000	0.000	Strato1_2_8_L_0									
47 D	17.62	-2.5121E-02	204.1	88.10	204.1	102.9	UL-RL	7951.	-9.200	0.000	1.000	1.000
88.10	0.000	0.000	Strato1_2_8_L_0									
48 D	17.86	-2.4175E-02	208.1	89.30	208.1	105.0	UL-RL	7951.	-9.400	0.000	1.000	1.000
89.30	0.000	0.000	Strato1_2_8_L_0									
49 D	18.07	-2.3235E-02	211.8	90.35	211.8	106.9	UL-RL	7951.	-9.600	0.000	1.000	1.000
90.35	0.000	0.000	Strato1_2_8_L_0									
50 D	18.30	-2.2300E-02	215.8	91.48	215.8	109.1	UL-RL	7951.	-9.800	0.000	1.000	1.000
91.48	0.000	0.000	Strato1_2_8_L_0									
51 D	18.50	-2.1372E-02	219.4	92.48	219.4	111.0	UL-RL	7951.	-10.00	0.000	1.000	1.000
92.48	0.000	0.000	Strato1_2_8_L_0									
52 D	18.71	-2.0452E-02	223.4	93.57	223.4	113.1	UL-RL	7951.	-10.20	0.000	1.000	1.000
93.57	0.000	0.000	Strato1_2_8_L_0									
53 D	18.91	-1.9541E-02	227.1	94.53	227.1	115.0	UL-RL	7951.	-10.40	0.000	1.000	1.000
94.53	0.000	0.000	Strato1_2_8_L_0									
54 D	19.11	-1.8640E-02	230.9	95.54	230.9	117.1	UL-RL	7951.	-10.60	0.000	1.000	1.000

95.54	0.000	0.000	Strato1_2_8_L_0									
55 D	19.30	-1.7751E-02	234.6	96.49	234.6	119.0	UL-RL	7951.	-10.80	0.000	1.000	1.000
96.49	0.000	0.000	Strato1_2_8_L_0									
56 D	19.51	-1.6875E-02	238.5	97.53	238.5	121.1	UL-RL	7951.	-11.00	0.000	1.000	1.000
97.53	0.000	0.000	Strato1_2_8_L_0									
57 D	19.69	-1.6012E-02	242.2	98.47	242.2	123.1	UL-RL	7951.	-11.20	0.000	1.000	1.000
98.47	0.000	0.000	Strato1_2_8_L_0									
58 D	19.90	-1.5164E-02	246.2	99.51	246.2	125.2	UL-RL	7951.	-11.40	0.000	1.000	1.000
99.51	0.000	0.000	Strato1_2_8_L_0									
59 D	20.09	-1.4333E-02	249.9	100.5	249.9	127.1	UL-RL	7951.	-11.60	0.000	1.000	1.000
100.5	0.000	0.000	Strato1_2_8_L_0									
60 D	20.30	-1.3518E-02	253.8	101.5	253.8	129.2	UL-RL	7951.	-11.80	0.000	1.000	1.000
101.5	0.000	0.000	Strato1_2_8_L_0									
61 D	20.48	-1.2721E-02	257.4	102.4	257.4	131.1	UL-RL	7951.	-12.00	0.000	1.000	1.000
102.4	0.000	0.000	Strato1_2_8_L_0									
62 D	20.70	-1.1943E-02	261.3	103.5	261.3	133.2	UL-RL	7951.	-12.20	0.000	1.000	1.000
103.5	0.000	0.000	Strato1_2_8_L_0									
63 D	20.89	-1.1184E-02	265.0	104.5	265.0	135.2	UL-RL	7951.	-12.40	0.000	1.000	1.000
104.5	0.000	0.000	Strato1_2_8_L_0									
64 D	14.78	-1.0444E-02	268.9	73.88	268.9	129.5	UL-RL	2.2067E+04	-12.60	0.000	1.000	1.000
73.88	0.000	0.000	Strato2_3095_82743_L_0									
65 D	14.80	-9.7254E-03	272.8	74.00	272.8	131.4	UL-RL	2.2067E+04	-12.80	0.000	1.000	1.000
74.00	0.000	0.000	Strato2_3095_82743_L_0									
66 D	14.84	-9.0272E-03	277.0	74.22	277.0	133.5	UL-RL	2.2067E+04	-13.00	0.000	1.000	1.000
74.22	0.000	0.000	Strato2_3095_82743_L_0									
67 D	14.88	-8.3498E-03	280.9	74.41	280.9	135.4	UL-RL	2.2067E+04	-13.20	0.000	1.000	1.000
74.41	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.94	-7.6934E-03	285.0	74.71	285.0	137.5	UL-RL	2.2067E+04	-13.40	0.000	1.000	1.000
74.71	0.000	0.000	Strato2_3095_82743_L_0									
69 D	14.99	-7.0579E-03	288.8	74.95	288.8	139.4	UL-RL	2.2067E+04	-13.60	0.000	1.000	1.000
74.95	0.000	0.000	Strato2_3095_82743_L_0									
70 D	15.07	-6.4432E-03	292.9	75.33	292.9	141.5	UL-RL	2.2067E+04	-13.80	0.000	1.000	1.000
75.33	0.000	0.000	Strato2_3095_82743_L_0									
71 D	15.14	-5.8488E-03	296.8	75.69	296.8	143.4	UL-RL	2.2067E+04	-14.00	0.000	1.000	1.000
75.69	0.000	0.000	Strato2_3095_82743_L_0									
72 D	15.23	-5.2742E-03	300.9	76.14	300.9	145.5	UL-RL	2.2067E+04	-14.20	0.000	1.000	1.000
76.14	0.000	0.000	Strato2_3095_82743_L_0									
73 D	15.32	-4.7190E-03	304.9	76.58	304.9	147.4	UL-RL	2.2067E+04	-14.40	0.000	1.000	1.000
76.58	0.000	0.000	Strato2_3095_82743_L_0									
74 D	15.42	-4.1822E-03	309.0	77.11	309.0	149.5	UL-RL	2.2067E+04	-14.60	0.000	1.000	1.000
77.11	0.000	0.000	Strato2_3095_82743_L_0									
75 D	15.52	-3.6631E-03	312.9	77.61	312.9	151.4	UL-RL	2.2067E+04	-14.80	0.000	1.000	1.000
77.61	0.000	0.000	Strato2_3095_82743_L_0									
76 D	16.28	-3.1606E-03	316.9	81.42	316.9	153.5	UL-RL	2.2067E+04	-15.00	0.000	1.000	1.000
81.42	0.000	0.000	Strato2_3095_82743_L_0									
77 D	18.77	-2.6735E-03	320.8	93.87	320.8	155.4	UL-RL	2.2067E+04	-15.20	0.000	1.000	1.000
93.87	0.000	0.000	Strato2_3095_82743_L_0									
78 D	21.22	-2.2007E-03	324.9	106.1	324.9	157.5	UL-RL	2.2067E+04	-15.40	0.000	1.000	1.000
106.1	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.60	-1.7408E-03	328.8	118.0	328.8	159.4	UL-RL	2.2067E+04	-15.60	0.000	1.000	1.000
118.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	25.94	-1.2923E-03	333.0	129.7	333.0	161.5	UL-RL	2.2067E+04	-15.80	0.000	1.000	1.000
129.7	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.22	-8.5393E-04	336.9	141.1	336.9	163.4	UL-RL	2.2067E+04	-16.00	0.000	1.000	1.000
141.1	0.000	0.000	Strato2_3095_82743_L_0									
82 D	30.48	-4.2414E-04	341.0	152.4	341.0	165.5	UL-RL	2.2067E+04	-16.20	0.000	1.000	1.000
152.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	32.69	-1.5680E-06	344.9	163.4	344.9	168.6	UL-RL	2.2067E+04	-16.40	0.000	1.000	1.000
163.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	33.89	4.1510E-04	348.9	169.5	348.9	175.1	UL-RL	2.2067E+04	-16.60	0.000	1.000	1.000
169.5	0.000	0.000	Strato2_3095_82743_L_0									
85 D	35.00	8.2714E-04	352.8	175.0	352.8	181.2	UL-RL	2.2067E+04	-16.80	0.000	1.000	1.000
175.0	0.000	0.000	Strato2_3095_82743_L_0									
86 D	35.95	1.2356E-03	356.9	179.8	356.9	186.4	UL-RL	2.2067E+04	-17.00	0.000	1.000	1.000
179.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	36.87	1.6416E-03	360.9	184.4	360.9	191.4	UL-RL	2.2067E+04	-17.20	0.000	1.000	1.000
184.4	0.000	0.000	Strato2_3095_82743_L_0									
88 D	37.81	2.0459E-03	365.0	189.0	365.0	196.6	UL-RL	2.2067E+04	-17.40	0.000	1.000	1.000
189.0	0.000	0.000	Strato2_3095_82743_L_0									
89 D	38.72	2.4492E-03	368.9	193.6	368.9	201.6	UL-RL	2.2067E+04	-17.60	0.000	1.000	1.000
193.6	0.000	0.000	Strato2_3095_82743_L_0									
90 D	39.66	2.8520E-03	373.0	198.3	373.0	206.8	UL-RL	2.2067E+04	-17.80	0.000	1.000	1.000
198.3	0.000	0.000	Strato2_3095_82743_L_0									
91 D	20.28	3.2547E-03	376.8	202.8	376.8	211.7	UL-RL	2.2067E+04	-18.00	0.000	1.000	1.000
202.8	0.000	0.000	Strato2_3095_82743_L_0									

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|                 PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                          |
|                                 NewProject.BaseDesignSection_28.A2M2R1_3514                              |
|                              Exe Time :29 July 2019      17:58:40                                       |
+----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      5.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000	0.000	0.000	not available											
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000		
0.000	0.000	0.000	not available											
45 D	0.1509	2.7022E-02	1.900	0.7546	167.2	93.88	UL-RL	6730.	-8.800	0.000	1.000	1.000		
0.7546	0.000	0.000	Strato1_2_8_L_0											
46 D	1.728	2.6070E-02	5.700	8.639	171.0	95.30	UL-RL	6730.	-9.000	0.000	1.000	1.000		
8.639	0.000	0.000	Strato1_2_8_L_0											
47 D	4.080	2.5121E-02	9.500	20.40	174.8	96.81	UL-RL	6730.	-9.200	0.000	1.000	1.000		
20.40	0.000	0.000	Strato1_2_8_L_0											
48 D	6.438	2.4175E-02	13.30	32.19	178.6	98.36	UL-RL	6730.	-9.400	0.000	1.000	1.000		
32.19	0.000	0.000	Strato1_2_8_L_0											
49 D	8.802	2.3235E-02	17.10	44.01	182.4	99.96	UL-RL	6730.	-9.600	0.000	1.000	1.000		
44.01	0.000	0.000	Strato1_2_8_L_0											
50 D	11.17	2.2300E-02	20.90	55.86	186.2	101.6	UL-RL	6730.	-9.800	0.000	1.000	1.000		
55.86	0.000	0.000	Strato1_2_8_L_0											
51 D	13.54	2.1372E-02	24.70	67.72	190.0	103.3	UL-RL	6730.	-10.00	0.000	1.000	1.000		
67.72	0.000	0.000	Strato1_2_8_L_0											
52 D	15.92	2.0452E-02	28.50	79.60	193.8	105.0	UL-RL	6730.	-10.20	0.000	1.000	1.000		
79.60	0.000	0.000	Strato1_2_8_L_0											
53 D	18.30	1.9541E-02	32.30	91.50	197.6	106.8	UL-RL	6730.	-10.40	0.000	1.000	1.000		
91.50	0.000	0.000	Strato1_2_8_L_0											
54 D	20.68	1.8640E-02	36.10	103.4	201.4	109.7	UL-RL	6730.	-10.60	0.000	1.000	1.000		
103.4	0.000	0.000	Strato1_2_8_L_0											
55 D	23.06	1.7751E-02	39.90	115.3	205.2	121.2	UL-RL	6730.	-10.80	0.000	1.000	1.000		
115.3	0.000	0.000	Strato1_2_8_L_0											
56 D	25.45	1.6875E-02	43.70	127.2	209.0	132.8	UL-RL	6730.	-11.00	0.000	1.000	1.000		
127.2	0.000	0.000	Strato1_2_8_L_0											
57 D	27.83	1.6012E-02	47.50	139.1	212.8	144.3	UL-RL	6730.	-11.20	0.000	1.000	1.000		
139.1	0.000	0.000	Strato1_2_8_L_0											
58 D	29.27	1.5164E-02	51.30	146.3	216.6	151.1	UL-RL	6730.	-11.40	0.000	1.000	1.000		
146.3	0.000	0.000	Strato1_2_8_L_0											
59 D	29.34	1.4333E-02	55.10	146.7	220.4	151.1	UL-RL	6730.	-11.60	0.000	1.000	1.000		
146.7	0.000	0.000	Strato1_2_8_L_0											
60 D	29.41	1.3518E-02	58.90	147.1	224.2	151.1	UL-RL	6730.	-11.80	0.000	1.000	1.000		
147.1	0.000	0.000	Strato1_2_8_L_0											
61 D	29.50	1.2721E-02	62.70	147.5	228.0	151.2	UL-RL	6730.	-12.00	0.000	1.000	1.000		
147.5	0.000	0.000	Strato1_2_8_L_0											
62 D	29.60	1.1943E-02	66.50	148.0	231.8	151.3	UL-RL	6730.	-12.20	0.000	1.000	1.000		
148.0	0.000	0.000	Strato1_2_8_L_0											
63 D	29.70	1.1184E-02	70.30	148.5	235.6	151.5	UL-RL	6730.	-12.40	0.000	1.000	1.000		
148.5	0.000	0.000	Strato1_2_8_L_0											
64 D	30.40	1.0444E-02	74.10	152.0	239.4	158.0	UL-RL	1.5155E+04	-12.60	0.000	1.000	1.000		
152.0	0.000	0.000	Strato2_3095_82743_L_0											
65 D	30.19	9.7254E-03	78.10	150.9	243.4	156.2	UL-RL	1.5155E+04	-12.80	0.000	1.000	1.000		
150.9	0.000	0.000	Strato2_3095_82743_L_0											
66 D	30.00	9.0272E-03	82.10	150.0	247.4	154.6	UL-RL	1.5155E+04	-13.00	0.000	1.000	1.000		
150.0	0.000	0.000	Strato2_3095_82743_L_0											
67 D	29.83	8.3498E-03	86.10	149.1	251.4	153.0	UL-RL	1.5155E+04	-13.20	0.000	1.000	1.000		
149.1	0.000	0.000	Strato2_3095_82743_L_0											
68 D	29.68	7.6934E-03	90.10	148.4	255.4	151.6	UL-RL	1.5155E+04	-13.40	0.000	1.000	1.000		
148.4	0.000	0.000	Strato2_3095_82743_L_0											
69 D	29.54	7.0579E-03	94.10	147.7	259.4	150.3	UL-RL	1.5155E+04	-13.60	0.000	1.000	1.000		
147.7	0.000	0.000	Strato2_3095_82743_L_0											
70 D	29.43	6.4432E-03	98.10	147.1	263.4	149.2	UL-RL	1.5155E+04	-13.80	0.000	1.000	1.000		
147.1	0.000	0.000	Strato2_3095_82743_L_0											
71 D	29.32	5.8488E-03	102.1	146.6	267.4	148.1	UL-RL	1.5155E+04	-14.00	0.000	1.000	1.000		
146.6	0.000	0.000	Strato2_3095_82743_L_0											
72 D	29.24	5.2742E-03	106.1	146.2	271.4	147.2	UL-RL	1.5155E+04	-14.20	0.000	1.000	1.000		
146.2	0.000	0.000	Strato2_3095_82743_L_0											

73 D	29.17	4.7190E-03	110.1	145.9	275.4	146.3	UL-RL	1.5155E+04	-14.40	0.000	1.000	1.000
145.9	0.000	0.000	Strato2_3095_82743_L_0									
74 D	29.09	4.1822E-03	114.1	145.5	279.4	145.6	UL-RL	1.5155E+04	-14.60	0.000	1.000	1.000
145.5	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.99	3.6631E-03	118.1	145.0	283.4	145.1	UL-RL	1.5155E+04	-14.80	0.000	1.000	1.000
145.0	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.91	3.1606E-03	122.1	144.6	287.4	144.7	UL-RL	1.5155E+04	-15.00	0.000	1.000	1.000
144.6	0.000	0.000	Strato2_3095_82743_L_0									
77 D	28.31	2.6735E-03	126.1	141.5	291.4	145.7	UL-RL	1.5155E+04	-15.20	0.000	1.000	1.000
141.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.34	2.2007E-03	130.1	136.7	295.4	147.7	UL-RL	1.5155E+04	-15.40	0.000	1.000	1.000
136.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	26.42	1.7408E-03	134.1	132.1	299.4	149.7	UL-RL	1.5155E+04	-15.60	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	25.52	1.2923E-03	138.1	127.6	303.4	151.7	UL-RL	1.5155E+04	-15.80	0.000	1.000	1.000
127.6	0.000	0.000	Strato2_3095_82743_L_0									
81 D	24.66	8.5393E-04	142.1	123.3	307.4	153.7	UL-RL	1.5155E+04	-16.00	0.000	1.000	1.000
123.3	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.82	4.2414E-04	146.1	119.1	311.4	155.7	UL-RL	1.5155E+04	-16.20	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.00	1.5680E-06	150.1	115.0	315.4	157.7	UL-RL	1.5155E+04	-16.40	0.000	1.000	1.000
115.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	22.19	-4.1510E-04	154.1	111.0	319.4	159.7	UL-RL	1.5155E+04	-16.60	0.000	1.000	1.000
111.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	21.40	-8.2714E-04	158.1	107.0	323.4	161.7	UL-RL	1.5155E+04	-16.80	0.000	1.000	1.000
107.0	0.000	0.000	Strato2_3095_82743_L_0									
86 D	20.62	-1.2356E-03	162.1	103.1	327.4	163.7	UL-RL	1.5155E+04	-17.00	0.000	1.000	1.000
103.1	0.000	0.000	Strato2_3095_82743_L_0									
87 D	19.84	-1.6416E-03	166.1	99.22	331.4	165.7	UL-RL	1.5155E+04	-17.20	0.000	1.000	1.000
99.22	0.000	0.000	Strato2_3095_82743_L_0									
88 D	19.07	-2.0459E-03	170.1	95.36	335.4	167.7	UL-RL	1.5155E+04	-17.40	0.000	1.000	1.000
95.36	0.000	0.000	Strato2_3095_82743_L_0									
89 D	18.30	-2.4492E-03	174.1	91.52	339.4	169.7	UL-RL	1.5155E+04	-17.60	0.000	1.000	1.000
91.52	0.000	0.000	Strato2_3095_82743_L_0									
90 D	17.54	-2.8520E-03	178.1	87.68	343.4	171.7	UL-RL	1.5155E+04	-17.80	0.000	1.000	1.000
87.68	0.000	0.000	Strato2_3095_82743_L_0									
91 D	8.383	-3.2547E-03	182.1	83.83	347.4	173.7	UL-RL	1.5155E+04	-18.00	0.000	1.000	1.000
83.83	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                   Exe Time :29 July 2019      17:58:40                                                  |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.4325     -1.4325    -1.87723E-10 0.28650
    2  3.7500     -3.7500    -0.28650      1.0365
    3  6.2581     -6.2581     -1.0365      2.2881
    4  9.3020     -9.3020     -2.2881      4.1485
    5  12.535     -12.535     -4.1485      6.6556
    6  16.188     -16.188     -6.6556      9.8932
    7  20.052     -20.052     -9.8932      13.904
    8  24.292     -24.292     -13.904      18.762
    9  28.692     -28.692     -18.762      24.500
   10  33.454     -33.454     -24.500      31.191
   11  38.457     -38.457     -31.191      38.882
   12  43.805     -43.805     -38.882      47.643
   13  49.400     -49.400     -47.643      57.523
   14  55.330     -55.330     -57.523      68.589
   15  61.511     -61.511     -68.589      80.892
   16 -134.35      134.35     -80.892      54.021
   17 -127.67      127.67     -54.021      28.487
   18 -120.51      120.51     -28.487      4.3846
   19 -112.95      112.95     -4.3846     -18.206
   20 -104.93      104.93      18.206     -39.191
   21 -96.495      96.495      39.191     -58.490
   22 -87.606      87.606      58.490     -76.011
   23 -78.316      78.316      76.011     -91.675
   24 -68.601      68.601      91.675     -105.39
   25 -58.487      58.487      105.39     -117.09
   26 -47.932      47.932      117.09     -126.68
   27 -36.984      36.984      126.68     -134.08
   28 -25.605      25.605      134.08     -139.20
   29 -13.840      13.840      139.20     -141.96
   30 -1.6559      1.6559      141.96     -142.30
   31  10.886     -10.886      142.30     -140.12
   32  23.837     -23.837      140.12     -135.35
   33  37.153     -37.153      135.35     -127.92
   34  50.861     -50.861      127.92     -117.75
   35  64.922     -64.922      117.75     -104.76
   36  79.359     -79.359      104.76     -88.892
   37  94.130     -94.130      88.892     -70.066
   38  109.26     -109.26      70.066     -48.215
   39  124.69     -124.69      48.215     -23.277
   40  140.45     -140.45      23.277      4.8125
   41  156.50     -156.50     -4.8125      36.114
   42  11.846     -11.846     -36.114      38.483
   43  28.475     -28.475     -38.483      44.178
   44  45.383     -45.383     -44.178      53.255
   45  62.391     -62.391     -53.255      65.733
   46  78.059     -78.059     -65.733      81.345
   47  91.598     -91.598     -81.345      99.664
   48  103.02     -103.02     -99.664      120.27
   49  112.29     -112.29     -120.27      142.73
   50  119.41     -119.41     -142.73      166.61
   51  124.36     -124.36     -166.61      191.48
   52  127.15     -127.15     -191.48      216.91
   53  127.76     -127.76     -216.91      242.46
   54  126.19     -126.19     -242.46      267.70
   55  122.42     -122.42     -267.70      292.18
   56  116.48     -116.48     -292.18      315.48
   57  108.35     -108.35     -315.48      337.15
   58  98.982     -98.982     -337.15      356.95
   59  89.738     -89.738     -356.95      374.89
   60  80.626     -80.626     -374.89      391.02
   61  71.611     -71.611     -391.02      405.34
   62  62.712     -62.712     -405.34      417.88
   63  53.904     -53.904     -417.88      428.67
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64	38.285	-38.285	-428.67	436.32
65	22.896	-22.896	-436.32	440.90
66	7.7402	-7.7402	-440.90	442.45
67	-7.2073	7.2073	-442.45	441.01
68	-21.943	21.943	-441.01	436.62
69	-36.496	36.496	-436.62	429.32
70	-50.855	50.855	-429.32	419.15
71	-65.043	65.043	-419.15	406.14
72	-79.055	79.055	-406.14	390.33
73	-92.913	92.913	-390.33	371.75
74	-106.58	106.58	-371.75	350.43
75	-120.06	120.06	-350.43	326.42
76	-132.69	132.69	-326.42	299.88
77	-142.22	142.22	-299.88	271.44
78	-148.34	148.34	-271.44	241.77
79	-151.16	151.16	-241.77	211.54
80	-150.74	150.74	-211.54	181.39
81	-147.18	147.18	-181.39	151.95
82	-140.52	140.52	-151.95	123.85
83	-130.83	130.83	-123.85	97.682
84	-119.13	119.13	-97.682	73.854
85	-105.53	105.53	-73.854	52.747
86	-90.202	90.202	-52.747	34.707
87	-73.175	73.175	-34.707	20.072
88	-54.441	54.441	-20.072	9.1838
89	-34.021	34.021	-9.1838	2.3797
90	-11.898	11.898	-2.3797	-6.29496E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   209.47     -8.08417E-04  4.30649E-02   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      17:58:40                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   166.70     -1.30685E-03 -1.30685E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1461E+07 RIMNOR=0.8346E+07
           RENORM=0.1022E+05 REMNOR=0.5664E-17 RATIO =0.8363E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.3     RMMAX = 442.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1461E+07 RDR   =0.8346E+07
           RATIOT=0.8363E-01 RATIOR= 0.000
           MAX UN= 29.70     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           MIN UN=-.1159E-07 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1461E+07 RIMNOR=0.8346E+07
           RENORM= 2658.     REMNOR=0.8622E-17 RATIO =0.4265E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.3     RMMAX = 442.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1461E+07 RDR   =0.8346E+07
           RATIOT=0.4265E-01 RATIOR= 0.000
           MAX UN= 23.80     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.1642     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1461E+07 RIMNOR=0.8346E+07
           RENORM= 676.7     REMNOR=0.1011E-16 RATIO =0.2152E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.3     RMMAX = 442.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1461E+07 RDR   =0.8346E+07
           RATIOT=0.2152E-01 RATIOR= 0.000
           MAX UN= 16.95     IEQ=   157 NODE     79 DOF   1  Y-DISPL.F
           MIN UN=-1.084     IEQ=   181 NODE     91 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
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           RINORM=0.1461E+07 RIMNOR=0.8346E+07
           RENORM= 37.74     REMNOR=0.1019E-16 RATIO =0.5082E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 202.3     RMMAX = 442.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1461E+07 RDR   =0.8346E+07
           RATIOT=0.5082E-02 RATIOR= 0.000
           MAX UN= 3.016     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-1.437     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1461E+07 RIMNOR=0.8346E+07
           RENORM=0.5324E-14 REMNOR=0.1239E-16 RATIO =0.6036E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 202.3     RMMAX = 442.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1461E+07 RDR   =0.8346E+07
           RATIOT=0.6036E-10 RATIOR= 0.000
           MAX UN=0.2906E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2953E-07 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      17:58:40                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.8281448E-02  -2.7764204E-03
    2   6.7726166E-02  -2.7763953E-03
    3   6.7170896E-02  -2.7762828E-03
    4   6.6615664E-02  -2.7760039E-03
    5   6.6060512E-02  -2.7754624E-03
    6   6.5505504E-02  -2.7745449E-03
    7   6.4950727E-02  -2.7731236E-03
    8   6.4396297E-02  -2.7710556E-03
    9   6.3842359E-02  -2.7681842E-03
   10   6.3289089E-02  -2.7643398E-03
   11   6.2736700E-02  -2.7593405E-03
   12   6.2185442E-02  -2.7529902E-03
   13   6.1635608E-02  -2.7450787E-03
   14   6.1087530E-02  -2.7353818E-03
   15   6.0541590E-02  -2.7236615E-03
   16   5.9998217E-02  -2.7096659E-03
   17   5.9457547E-02  -2.6983132E-03
   18   5.8918389E-02  -2.6945085E-03
   19   5.8379260E-02  -2.6979601E-03
   20   5.7838741E-02  -2.7083626E-03
   21   5.7295473E-02  -2.7253970E-03
   22   5.6748162E-02  -2.7487301E-03
   23   5.6195584E-02  -2.7780155E-03
   24   5.5636586E-02  -2.8128924E-03
   25   5.5070082E-02  -2.8529878E-03
   26   5.4495069E-02  -2.8979148E-03
   27   5.3910621E-02  -2.9472731E-03
   28   5.3315892E-02  -3.0006486E-03
   29   5.2710125E-02  -3.0576134E-03
   30   5.2092640E-02  -3.1177265E-03
   31   5.1462855E-02  -3.1805326E-03
   32   5.0820278E-02  -3.2455633E-03
   33   5.0164513E-02  -3.3123372E-03
   34   4.9495260E-02  -3.3803591E-03
   35   4.8812324E-02  -3.4491197E-03
   36   4.8115601E-02  -3.5180972E-03
   37   4.7405106E-02  -3.5867552E-03
   38   4.6680957E-02  -3.6545437E-03
   39   4.5943384E-02  -3.7208995E-03
   40   4.5192735E-02  -3.7852454E-03
   41   4.4429463E-02  -3.8469921E-03
   42   4.3654136E-02  -3.9055368E-03
   43   4.2867147E-02  -3.9653670E-03
   44   4.2067609E-02  -4.0309599E-03
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    45   4.1254426E-02  -4.1016716E-03
    46   4.0426643E-02  -4.1768437E-03
    47   3.9583436E-02  -4.2558047E-03
    48   3.8724115E-02  -4.3378699E-03
    49   3.7848132E-02  -4.4223404E-03
    50   3.6955070E-02  -4.5085051E-03
    51   3.6044666E-02  -4.5956378E-03
    52   3.5116790E-02  -4.6830003E-03
    53   3.4171491E-02  -4.7698380E-03
    54   3.3208941E-02  -4.8553853E-03
    55   3.2229475E-02  -4.9388623E-03
    56   3.1233587E-02  -5.0194760E-03
    57   3.0221929E-02  -5.0964196E-03
    58   2.9195318E-02  -5.1688728E-03
    59   2.8154735E-02  -5.2360015E-03
    60   2.7101329E-02  -5.2969582E-03
    61   2.6036421E-02  -5.3508819E-03
    62   2.4961504E-02  -5.3968979E-03
    63   2.3878248E-02  -5.4341183E-03
    64   2.2788503E-02  -5.4616418E-03
    65   2.1694266E-02  -5.4790363E-03
    66   2.0597556E-02  -5.4864185E-03
    67   1.9500349E-02  -5.4840492E-03
    68   1.8404614E-02  -5.4723346E-03
    69   1.7312057E-02  -5.4518232E-03
    70   1.6224425E-02  -5.4232096E-03
    71   1.5143257E-02  -5.3873325E-03
    72   1.4069910E-02  -5.3451750E-03
    73   1.3005531E-02  -5.2978646E-03
    74   1.1951027E-02  -5.2466195E-03
    75   1.0907064E-02  -5.1926492E-03
    76   9.8740718E-03  -5.1371090E-03
    77   8.8522520E-03  -5.0811001E-03
    78   7.8415932E-03  -5.0256697E-03
    79   6.8418794E-03  -4.9718112E-03
    80   5.8527013E-03  -4.9204641E-03
    81   4.8734672E-03  -4.8725151E-03
    82   3.9034131E-03  -4.8287976E-03
    83   2.9416140E-03  -4.7900925E-03
    84   1.9869988E-03  -4.7570484E-03
    85   1.0383446E-03  -4.7300445E-03
    86   9.4526790E-05  -4.7091411E-03
    87  -8.4570125E-04  -4.6940783E-03
    88  -1.7834560E-03  -4.6842872E-03
    89  -2.7197090E-03  -4.6788891E-03
    90  -3.6552253E-03  -4.6766959E-03
    91  -4.5905027E-03  -4.6762327E-03
 +----------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                          |
 |                                  NewProject.BaseDesignSection_28.A2M2R1_3514                             |
 |                               Exe Time :29 July 2019      17:58:40                                       |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.   1

 0_L                                :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL       PORE       E FACTOR     UFACTOR
Peq          Su_a        Su_p       LAYER
 ---------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.057      -6.8281E-02  28.20       10.57       38.20       24.75          ACTIVE   0.000       0.000       0.000        1.000       1.000
10.57       0.000       0.000     Strato1_2_8_L_0
   2 D   1.568      -6.7726E-02  20.90       7.838       30.90       20.55          ACTIVE   0.000      -0.2000      0.000        1.000       1.000
7.838       0.000       0.000     Strato1_2_8_L_0
   3 D   1.758      -6.7171E-02  23.44       8.791       33.44       20.71          ACTIVE   0.000      -0.4000      0.000        1.000       1.000
8.791       0.000       0.000     Strato1_2_8_L_0
   4 D   2.294      -6.6616E-02  30.59       11.47       40.59       22.92          ACTIVE   0.000      -0.6000      0.000        1.000       1.000
11.47       0.000       0.000     Strato1_2_8_L_0
   5 D   2.483      -6.6061E-02  33.11       12.42       43.11       23.29          ACTIVE   0.000      -0.8000      0.000        1.000       1.000
12.42       0.000       0.000     Strato1_2_8_L_0
   6 D   2.903      -6.5506E-02  38.70       14.51       48.70       25.82          ACTIVE   0.000      -1.000       0.000        1.000       1.000
14.51       0.000       0.000     Strato1_2_8_L_0
   7 D   3.114      -6.4951E-02  41.51       15.57       51.51       27.01          ACTIVE   0.000      -1.200       0.000        1.000       1.000
15.57       0.000       0.000     Strato1_2_8_L_0
   8 D   3.490      -6.4396E-02  46.53       17.45       56.53       29.25          ACTIVE   0.000      -1.400       0.000        1.000       1.000
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17.45	0.000	0.000	Strato1_2_8_L_0									
9 D	3.650	-6.3842E-02	48.67	18.25	58.67	30.11	ACTIVE	0.000	-1.600	0.000	1.000	1.000
18.25	0.000	0.000	Strato1_2_8_L_0									
10 D	4.012	-6.3289E-02	53.49	20.06	63.49	32.25	ACTIVE	0.000	-1.800	0.000	1.000	1.000
20.06	0.000	0.000	Strato1_2_8_L_0									
11 D	4.253	-6.2737E-02	56.71	21.26	66.71	33.62	ACTIVE	0.000	-2.000	0.000	1.000	1.000
21.26	0.000	0.000	Strato1_2_8_L_0									
12 D	4.598	-6.2185E-02	61.31	22.99	71.31	35.65	ACTIVE	0.000	-2.200	0.000	1.000	1.000
22.99	0.000	0.000	Strato1_2_8_L_0									
13 D	4.845	-6.1636E-02	64.60	24.23	74.60	37.04	ACTIVE	0.000	-2.400	0.000	1.000	1.000
24.23	0.000	0.000	Strato1_2_8_L_0									
14 D	5.180	-6.1088E-02	69.07	25.90	79.07	38.98	ACTIVE	0.000	-2.600	0.000	1.000	1.000
25.90	0.000	0.000	Strato1_2_8_L_0									
15 D	5.431	-6.0542E-02	72.41	27.15	82.41	40.37	ACTIVE	0.000	-2.800	0.000	1.000	1.000
27.15	0.000	0.000	Strato1_2_8_L_0									
16 D	5.722	-5.9998E-02	76.30	28.61	86.30	42.01	ACTIVE	0.000	-3.000	0.000	1.000	1.000
28.61	0.000	0.000	Strato1_2_8_L_0									
17 D	5.979	-5.9458E-02	79.72	29.90	89.72	43.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000
29.90	0.000	0.000	Strato1_2_8_L_0									
18 D	6.303	-5.8918E-02	84.04	31.52	94.04	45.23	ACTIVE	0.000	-3.400	0.000	1.000	1.000
31.52	0.000	0.000	Strato1_2_8_L_0									
19 D	6.562	-5.8379E-02	87.50	32.81	97.50	46.63	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.81	0.000	0.000	Strato1_2_8_L_0									
20 D	6.882	-5.7839E-02	91.76	34.41	101.8	48.63	ACTIVE	0.000	-3.800	0.000	1.000	1.000
34.41	0.000	0.000	Strato1_2_8_L_0									
21 D	7.143	-5.7295E-02	95.24	35.72	105.2	50.48	ACTIVE	0.000	-4.000	0.000	1.000	1.000
35.72	0.000	0.000	Strato1_2_8_L_0									
22 D	7.459	-5.6748E-02	99.45	37.29	109.5	52.71	ACTIVE	0.000	-4.200	0.000	1.000	1.000
37.29	0.000	0.000	Strato1_2_8_L_0									
23 D	7.722	-5.6196E-02	103.0	38.61	113.0	54.57	ACTIVE	0.000	-4.400	0.000	1.000	1.000
38.61	0.000	0.000	Strato1_2_8_L_0									
24 D	8.011	-5.5637E-02	106.8	40.05	116.8	56.61	ACTIVE	0.000	-4.600	0.000	1.000	1.000
40.05	0.000	0.000	Strato1_2_8_L_0									
25 D	8.276	-5.5070E-02	110.3	41.38	120.3	58.48	ACTIVE	0.000	-4.800	0.000	1.000	1.000
41.38	0.000	0.000	Strato1_2_8_L_0									
26 D	8.587	-5.4495E-02	114.5	42.94	124.5	60.68	ACTIVE	0.000	-5.000	0.000	1.000	1.000
42.94	0.000	0.000	Strato1_2_8_L_0									
27 D	8.854	-5.3911E-02	118.1	44.27	128.1	62.57	ACTIVE	0.000	-5.200	0.000	1.000	1.000
44.27	0.000	0.000	Strato1_2_8_L_0									
28 D	9.163	-5.3316E-02	122.2	45.82	132.2	64.75	ACTIVE	0.000	-5.400	0.000	1.000	1.000
45.82	0.000	0.000	Strato1_2_8_L_0									
29 D	9.431	-5.2710E-02	125.7	47.15	135.7	66.65	ACTIVE	0.000	-5.600	0.000	1.000	1.000
47.15	0.000	0.000	Strato1_2_8_L_0									
30 D	9.738	-5.2093E-02	129.8	48.69	139.8	68.82	ACTIVE	0.000	-5.800	0.000	1.000	1.000
48.69	0.000	0.000	Strato1_2_8_L_0									
31 D	9.988	-5.1463E-02	133.2	49.94	143.2	70.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000
49.94	0.000	0.000	Strato1_2_8_L_0									
32 D	10.29	-5.0820E-02	137.3	51.47	147.3	72.75	ACTIVE	0.000	-6.200	0.000	1.000	1.000
51.47	0.000	0.000	Strato1_2_8_L_0									
33 D	10.56	-5.0165E-02	140.9	52.82	150.9	74.66	ACTIVE	0.000	-6.400	0.000	1.000	1.000
52.82	0.000	0.000	Strato1_2_8_L_0									
34 D	10.87	-4.9495E-02	144.9	54.35	154.9	76.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
54.35	0.000	0.000	Strato1_2_8_L_0									
35 D	11.14	-4.8812E-02	148.5	55.70	158.5	78.73	ACTIVE	0.000	-6.800	0.000	1.000	1.000
55.70	0.000	0.000	Strato1_2_8_L_0									
36 D	11.44	-4.8116E-02	152.6	57.22	162.6	80.87	ACTIVE	0.000	-7.000	0.000	1.000	1.000
57.22	0.000	0.000	Strato1_2_8_L_0									
37 D	11.72	-4.7405E-02	156.2	58.58	166.2	82.79	ACTIVE	0.000	-7.200	0.000	1.000	1.000
58.58	0.000	0.000	Strato1_2_8_L_0									
38 D	12.02	-4.6681E-02	160.2	60.09	170.2	84.93	ACTIVE	0.000	-7.400	0.000	1.000	1.000
60.09	0.000	0.000	Strato1_2_8_L_0									
39 D	12.28	-4.5943E-02	163.7	61.38	173.7	86.74	ACTIVE	0.000	-7.600	0.000	1.000	1.000
61.38	0.000	0.000	Strato1_2_8_L_0									
40 D	12.58	-4.5193E-02	167.7	62.88	177.7	88.88	ACTIVE	0.000	-7.800	0.000	1.000	1.000
62.88	0.000	0.000	Strato1_2_8_L_0									
41 D	12.85	-4.4429E-02	171.3	64.25	181.3	90.81	ACTIVE	0.000	-8.000	0.000	1.000	1.000
64.25	0.000	0.000	Strato1_2_8_L_0									
42 D	13.15	-4.3654E-02	175.3	65.75	185.3	92.93	ACTIVE	0.000	-8.200	0.000	1.000	1.000
65.75	0.000	0.000	Strato1_2_8_L_0									
43 D	13.42	-4.2867E-02	179.0	67.12	189.0	94.86	ACTIVE	0.000	-8.400	0.000	1.000	1.000
67.12	0.000	0.000	Strato1_2_8_L_0									
44 D	13.72	-4.2068E-02	183.0	68.62	193.0	96.98	ACTIVE	0.000	-8.600	0.000	1.000	1.000
68.62	0.000	0.000	Strato1_2_8_L_0									
45 D	14.00	-4.1254E-02	186.6	69.99	196.6	98.92	ACTIVE	0.000	-8.800	0.000	1.000	1.000
69.99	0.000	0.000	Strato1_2_8_L_0									
46 D	14.29	-4.0427E-02	190.5	71.43	200.5	100.9	ACTIVE	0.000	-9.000	0.000	1.000	1.000
71.43	0.000	0.000	Strato1_2_8_L_0									
47 D	14.56	-3.9583E-02	194.1	72.80	204.1	102.9	ACTIVE	0.000	-9.200	0.000	1.000	1.000
72.80	0.000	0.000	Strato1_2_8_L_0									
48 D	14.86	-3.8724E-02	198.1	74.29	208.1	105.0	ACTIVE	0.000	-9.400	0.000	1.000	1.000
74.29	0.000	0.000	Strato1_2_8_L_0									
49 D	15.13	-3.7848E-02	201.8	75.67	211.8	106.9	ACTIVE	0.000	-9.600	0.000	1.000	1.000
75.67	0.000	0.000	Strato1_2_8_L_0									
50 D	15.43	-3.6955E-02	205.8	77.16	215.8	109.1	ACTIVE	0.000	-9.800	0.000	1.000	1.000
77.16	0.000	0.000	Strato1_2_8_L_0									

51 D	15.71	-3.6045E-02	209.4	78.53	219.4	111.0	ACTIVE	0.000	-10.00	0.000	1.000	1.000	78.53	0.000	0.000	Strato1_2_8_L_0
52 D	16.00	-3.5117E-02	213.4	80.02	223.4	113.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000	80.02	0.000	0.000	Strato1_2_8_L_0
53 D	16.28	-3.4171E-02	217.1	81.40	227.1	115.0	ACTIVE	0.000	-10.40	0.000	1.000	1.000	81.40	0.000	0.000	Strato1_2_8_L_0
54 D	16.57	-3.3209E-02	220.9	82.83	230.9	117.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000	82.83	0.000	0.000	Strato1_2_8_L_0
55 D	16.84	-3.2229E-02	224.6	84.21	234.6	119.0	ACTIVE	0.000	-10.80	0.000	1.000	1.000	84.21	0.000	0.000	Strato1_2_8_L_0
56 D	17.14	-3.1234E-02	228.5	85.70	238.5	121.1	ACTIVE	0.000	-11.00	0.000	1.000	1.000	85.70	0.000	0.000	Strato1_2_8_L_0
57 D	17.42	-3.0222E-02	232.2	87.08	242.2	123.1	ACTIVE	0.000	-11.20	0.000	1.000	1.000	87.08	0.000	0.000	Strato1_2_8_L_0
58 D	17.71	-2.9195E-02	236.2	88.56	246.2	125.2	ACTIVE	0.000	-11.40	0.000	1.000	1.000	88.56	0.000	0.000	Strato1_2_8_L_0
59 D	17.99	-2.8155E-02	239.9	89.94	249.9	127.1	ACTIVE	0.000	-11.60	0.000	1.000	1.000	89.94	0.000	0.000	Strato1_2_8_L_0
60 D	18.28	-2.7101E-02	243.8	91.42	253.8	129.2	ACTIVE	0.000	-11.80	0.000	1.000	1.000	91.42	0.000	0.000	Strato1_2_8_L_0
61 D	18.55	-2.6036E-02	247.4	92.76	257.4	131.1	ACTIVE	0.000	-12.00	0.000	1.000	1.000	92.76	0.000	0.000	Strato1_2_8_L_0
62 D	18.85	-2.4962E-02	251.3	94.24	261.3	133.2	ACTIVE	0.000	-12.20	0.000	1.000	1.000	94.24	0.000	0.000	Strato1_2_8_L_0
63 D	19.13	-2.3878E-02	255.0	95.63	265.0	135.2	ACTIVE	0.000	-12.40	0.000	1.000	1.000	95.63	0.000	0.000	Strato1_2_8_L_0
64 D	12.03	-2.2789E-02	258.9	60.15	268.9	129.5	ACTIVE	0.000	-12.60	0.000	1.000	1.000	60.15	0.000	0.000	Strato2_3095_82743_L_0
65 D	12.26	-2.1694E-02	262.8	61.32	272.8	131.4	ACTIVE	0.000	-12.80	0.000	1.000	1.000	61.32	0.000	0.000	Strato2_3095_82743_L_0
66 D	12.51	-2.0598E-02	267.0	62.56	277.0	133.5	ACTIVE	0.000	-13.00	0.000	1.000	1.000	62.56	0.000	0.000	Strato2_3095_82743_L_0
67 D	12.75	-1.9500E-02	270.9	63.73	280.9	135.4	ACTIVE	0.000	-13.20	0.000	1.000	1.000	63.73	0.000	0.000	Strato2_3095_82743_L_0
68 D	12.99	-1.8405E-02	275.0	64.97	285.0	137.5	ACTIVE	0.000	-13.40	0.000	1.000	1.000	64.97	0.000	0.000	Strato2_3095_82743_L_0
69 D	13.22	-1.7312E-02	278.8	66.11	288.8	139.4	ACTIVE	0.000	-13.60	0.000	1.000	1.000	66.11	0.000	0.000	Strato2_3095_82743_L_0
70 D	13.47	-1.6224E-02	282.9	67.35	292.9	141.5	ACTIVE	0.000	-13.80	0.000	1.000	1.000	67.35	0.000	0.000	Strato2_3095_82743_L_0
71 D	13.70	-1.5143E-02	286.8	68.52	296.8	143.4	ACTIVE	0.000	-14.00	0.000	1.000	1.000	68.52	0.000	0.000	Strato2_3095_82743_L_0
72 D	13.95	-1.4070E-02	290.9	69.76	300.9	145.5	ACTIVE	0.000	-14.20	0.000	1.000	1.000	69.76	0.000	0.000	Strato2_3095_82743_L_0
73 D	14.19	-1.3006E-02	294.9	70.93	304.9	147.4	ACTIVE	0.000	-14.40	0.000	1.000	1.000	70.93	0.000	0.000	Strato2_3095_82743_L_0
74 D	14.43	-1.1951E-02	299.0	72.17	309.0	149.5	ACTIVE	0.000	-14.60	0.000	1.000	1.000	72.17	0.000	0.000	Strato2_3095_82743_L_0
75 D	14.67	-1.0907E-02	302.9	73.34	312.9	151.4	ACTIVE	0.000	-14.80	0.000	1.000	1.000	73.34	0.000	0.000	Strato2_3095_82743_L_0
76 D	14.91	-9.8741E-03	306.9	74.54	316.9	153.5	ACTIVE	0.000	-15.00	0.000	1.000	1.000	74.54	0.000	0.000	Strato2_3095_82743_L_0
77 D	15.14	-8.8523E-03	310.8	75.72	320.8	155.4	ACTIVE	0.000	-15.20	0.000	1.000	1.000	75.72	0.000	0.000	Strato2_3095_82743_L_0
78 D	15.39	-7.8416E-03	314.9	76.95	324.9	157.5	ACTIVE	0.000	-15.40	0.000	1.000	1.000	76.95	0.000	0.000	Strato2_3095_82743_L_0
79 D	15.63	-6.8419E-03	318.8	78.13	328.8	159.4	ACTIVE	0.000	-15.60	0.000	1.000	1.000	78.13	0.000	0.000	Strato2_3095_82743_L_0
80 D	15.87	-5.8527E-03	323.0	79.36	333.0	161.5	ACTIVE	0.000	-15.80	0.000	1.000	1.000	79.36	0.000	0.000	Strato2_3095_82743_L_0
81 D	16.11	-4.8735E-03	326.9	80.53	336.9	163.4	ACTIVE	0.000	-16.00	0.000	1.000	1.000	80.53	0.000	0.000	Strato2_3095_82743_L_0
82 D	16.35	-3.9034E-03	331.0	81.77	341.0	165.5	ACTIVE	0.000	-16.20	0.000	1.000	1.000	81.77	0.000	0.000	Strato2_3095_82743_L_0
83 D	19.64	-2.9416E-03	334.9	98.20	344.9	168.6	UL-RL	2.1331E+04	-16.40	0.000	1.000	1.000	98.20	0.000	0.000	Strato2_3095_82743_L_0
84 D	23.14	-1.9870E-03	338.9	115.7	348.9	175.1	UL-RL	2.1331E+04	-16.60	0.000	1.000	1.000	115.7	0.000	0.000	Strato2_3095_82743_L_0
85 D	26.54	-1.0383E-03	342.8	132.7	352.8	181.2	UL-RL	2.1331E+04	-16.80	0.000	1.000	1.000	132.7	0.000	0.000	Strato2_3095_82743_L_0
86 D	29.77	-9.4527E-05	346.9	148.9	356.9	186.4	UL-RL	2.1331E+04	-17.00	0.000	1.000	1.000	148.9	0.000	0.000	Strato2_3095_82743_L_0
87 D	32.97	8.4570E-04	350.9	164.9	360.9	191.4	UL-RL	2.1331E+04	-17.20	0.000	1.000	1.000	164.9	0.000	0.000	Strato2_3095_82743_L_0
88 D	36.18	1.7835E-03	355.0	180.9	365.0	196.6	UL-RL	2.1331E+04	-17.40	0.000	1.000	1.000	180.9	0.000	0.000	Strato2_3095_82743_L_0
89 D	39.37	2.7197E-03	358.9	196.9	368.9	201.6	UL-RL	2.1331E+04	-17.60	0.000	1.000	1.000	196.9	0.000	0.000	Strato2_3095_82743_L_0
90 D	41.63	3.6552E-03	363.0	208.1	373.0	209.1	UL-RL	2.1331E+04	-17.80	0.000	1.000	1.000	208.1	0.000	0.000	Strato2_3095_82743_L_0
91 D	21.74	4.5905E-03	366.8	217.4	376.8	217.4	V-C	7110.	-18.00	0.000	1.000	1.000	217.4	0.000	0.000	Strato2_3095_82743_L_0

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                  Exe Time :29 July 2019      17:58:40                                                         |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --       -0.2000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --       -0.4000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --       -0.6000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --       -0.8000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --       -5.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --       -5.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --          REMOVED     --       -5.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  29     0.000         --          --          --          --          --          REMOVED     --       -5.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  30     0.000         --          --          --          --          --          REMOVED     --       -5.800       0.000       1.000       1.000
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0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 D 12.96 2.2789E-02 0.000 64.81 239.4 158.0 PASSIVE 0.000 -12.60 0.000 1.000 1.000
64.81 0.000 0.000 Strato2_3095_82743_L_0
65 D 16.24 2.1694E-02 4.000 81.22 243.4 156.2 PASSIVE 0.000 -12.80 0.000 1.000 1.000
81.22 0.000 0.000 Strato2_3095_82743_L_0
66 D 19.53 2.0598E-02 8.000 97.63 247.4 154.6 PASSIVE 0.000 -13.00 0.000 1.000 1.000
97.63 0.000 0.000 Strato2_3095_82743_L_0
67 D 22.81 1.9500E-02 12.00 114.0 251.4 153.0 PASSIVE 0.000 -13.20 0.000 1.000 1.000
114.0 0.000 0.000 Strato2_3095_82743_L_0
68 D 26.09 1.8405E-02 16.00 130.4 255.4 151.6 PASSIVE 0.000 -13.40 0.000 1.000 1.000
130.4 0.000 0.000 Strato2_3095_82743_L_0
69 D 29.37 1.7312E-02 20.00 146.9 259.4 150.3 PASSIVE 0.000 -13.60 0.000 1.000 1.000
146.9 0.000 0.000 Strato2_3095_82743_L_0
70 D 32.65 1.6224E-02 24.00 163.3 263.4 163.3 PASSIVE 0.000 -13.80 0.000 1.000 1.000
163.3 0.000 0.000 Strato2_3095_82743_L_0
71 D 35.93 1.5143E-02 28.00 179.7 267.4 179.7 PASSIVE 0.000 -14.00 0.000 1.000 1.000
179.7 0.000 0.000 Strato2_3095_82743_L_0
72 D 39.21 1.4070E-02 32.00 196.1 271.4 196.1 PASSIVE 0.000 -14.20 0.000 1.000 1.000
196.1 0.000 0.000 Strato2_3095_82743_L_0

73 D	40.24	1.3006E-02	36.00	201.2	275.4	201.2	V-C	8139.	-14.40	0.000	1.000	1.000	201.2
0.000	0.000	Strato2_3095_82743_L_0											
74 D	39.33	1.1951E-02	40.00	196.7	279.4	196.7	V-C	8139.	-14.60	0.000	1.000	1.000	196.7
0.000	0.000	Strato2_3095_82743_L_0											
75 D	38.43	1.0907E-02	44.00	192.2	283.4	192.2	V-C	8139.	-14.80	0.000	1.000	1.000	192.2
0.000	0.000	Strato2_3095_82743_L_0											
76 D	37.53	9.8741E-03	48.00	187.7	287.4	187.7	V-C	8139.	-15.00	0.000	1.000	1.000	187.7
0.000	0.000	Strato2_3095_82743_L_0											
77 D	36.63	8.8523E-03	52.00	183.2	291.4	183.2	V-C	8139.	-15.20	0.000	1.000	1.000	183.2
0.000	0.000	Strato2_3095_82743_L_0											
78 D	35.74	7.8416E-03	56.00	178.7	295.4	178.7	V-C	8139.	-15.40	0.000	1.000	1.000	178.7
0.000	0.000	Strato2_3095_82743_L_0											
79 D	34.86	6.8419E-03	60.00	174.3	299.4	174.3	V-C	8139.	-15.60	0.000	1.000	1.000	174.3
0.000	0.000	Strato2_3095_82743_L_0											
80 D	33.98	5.8527E-03	64.00	169.9	303.4	169.9	V-C	8139.	-15.80	0.000	1.000	1.000	169.9
0.000	0.000	Strato2_3095_82743_L_0											
81 D	33.11	4.8735E-03	68.00	165.5	307.4	165.5	V-C	8139.	-16.00	0.000	1.000	1.000	165.5
0.000	0.000	Strato2_3095_82743_L_0											
82 D	32.24	3.9034E-03	72.00	161.2	311.4	161.2	V-C	8139.	-16.20	0.000	1.000	1.000	161.2
0.000	0.000	Strato2_3095_82743_L_0											
83 D	31.08	2.9416E-03	76.00	155.4	315.4	157.7	UL-RL	2.4416E+04	-16.40	0.000	1.000	1.000	155.4
0.000	0.000	Strato2_3095_82743_L_0											
84 D	27.72	1.9870E-03	80.00	138.6	319.4	159.7	UL-RL	2.4416E+04	-16.60	0.000	1.000	1.000	138.6
0.000	0.000	Strato2_3095_82743_L_0											
85 D	24.38	1.0383E-03	84.00	121.9	323.4	161.7	UL-RL	2.4416E+04	-16.80	0.000	1.000	1.000	121.9
0.000	0.000	Strato2_3095_82743_L_0											
86 D	21.05	9.4527E-05	88.00	105.3	327.4	163.7	UL-RL	2.4416E+04	-17.00	0.000	1.000	1.000	105.3
0.000	0.000	Strato2_3095_82743_L_0											
87 D	17.73	-8.4570E-04	92.00	88.65	331.4	165.7	UL-RL	2.4416E+04	-17.20	0.000	1.000	1.000	88.65
0.000	0.000	Strato2_3095_82743_L_0											
88 D	14.41	-1.7835E-03	96.00	72.06	335.4	167.7	UL-RL	2.4416E+04	-17.40	0.000	1.000	1.000	72.06
0.000	0.000	Strato2_3095_82743_L_0											
89 D	11.10	-2.7197E-03	100.0	55.48	339.4	169.7	UL-RL	2.4416E+04	-17.60	0.000	1.000	1.000	55.48
0.000	0.000	Strato2_3095_82743_L_0											
90 D	7.780	-3.6552E-03	104.0	38.90	343.4	171.7	UL-RL	2.4416E+04	-17.80	0.000	1.000	1.000	38.90
0.000	0.000	Strato2_3095_82743_L_0											
91 D	2.231	-4.5905E-03	108.0	22.31	347.4	173.7	UL-RL	2.4416E+04	-18.00	0.000	1.000	1.000	22.31
0.000	0.000	Strato2_3095_82743_L_0											

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.0575     -1.0575     1.36183E-09 0.21150
    2  2.6250     -2.6250    -0.21150     0.73650
    3  4.3831     -4.3831    -0.73650      1.6131
    4  6.6770     -6.6770     -1.6131      2.9485
    5  9.1603     -9.1603     -2.9485      4.7806
    6  12.063     -12.063     -4.7806      7.1932
    7  15.177     -15.177     -7.1932      10.229
    8  18.667     -18.667     -10.229      13.962
    9  22.317     -22.317     -13.962      18.425
   10  26.329     -26.329     -18.425      23.691
   11  30.582     -30.582     -23.691      29.807
   12  35.180     -35.180     -29.807      36.843
   13  40.025     -40.025     -36.843      44.848
   14  45.205     -45.205     -44.848      53.889
   15  50.636     -50.636     -53.889      64.017
   16 -161.96      161.96     -64.017      31.625
   17 -155.98      155.98     -31.625     0.42858
   18 -149.68      149.68    -0.42858     -29.507
   19 -143.11      143.11      29.507     -58.130
   20 -136.23      136.23      58.130     -85.376
   21 -129.09      129.09      85.376     -111.19
   22 -121.63      121.63      111.19     -135.52
   23 -113.91      113.91      135.52     -158.30
   24 -105.90      105.90      158.30     -179.48
   25 -97.622      97.622      179.48     -199.01
   26 -89.035      89.035      199.01     -216.81
   27 -80.181      80.181      216.81     -232.85
   28 -71.018      71.018      232.85     -247.05
   29 -61.587      61.587      247.05     -259.37
   30 -51.849      51.849      259.37     -269.74
   31 -41.860      41.860      269.74     -278.11
   32 -31.566      31.566      278.11     -284.43
   33 -21.001      21.001      284.43     -288.63
   34 -10.132      10.132      288.63     -290.65
   35  1.0088     -1.0088      290.65     -290.45
   36  12.453     -12.453      290.45     -287.96
   37  24.168     -24.168      287.96     -283.13
   38  36.186     -36.186      283.13     -275.89
   39  48.461     -48.461      275.89     -266.20
   40  61.038     -61.038      266.20     -253.99
   41  73.888     -73.888      253.99     -239.21
   42 -128.09      128.09      239.21     -264.83
   43 -114.66      114.66      264.83     -287.76
   44 -100.94      100.94      287.76     -307.95
   45 -86.942      86.942      307.95     -325.34
   46 -72.657      72.657      325.34     -339.87
   47 -58.097      58.097      339.87     -351.49
   48 -43.239      43.239      351.49     -360.14
   49 -28.105      28.105      360.14     -365.76
   50 -12.674      12.674      365.76     -368.29
   51  3.0331     -3.0331      368.29     -367.69
   52  19.038     -19.038      367.69     -363.88
   53  35.318     -35.318      363.88     -356.82
   54  51.884     -51.884      356.82     -346.44
   55  68.727     -68.727      346.44     -332.69
   56  85.867     -85.867      332.69     -315.52
   57  103.28     -103.28      315.52     -294.86
   58  121.00     -121.00      294.86     -270.66
   59  138.98     -138.98      270.66     -242.87
   60  157.27     -157.27      242.87     -211.41
   61  175.82     -175.82      211.41     -176.25
   62  194.67     -194.67      176.25     -137.32
   63  213.79     -213.79      137.32     -94.556
```

64	212.86	-212.86	94.556	-51.984
65	208.88	-208.88	51.984	-10.207
66	201.87	-201.87	10.207	30.167
67	191.81	-191.81	-30.167	68.527
68	178.72	-178.72	-68.527	104.27
69	162.57	-162.57	-104.27	136.78
70	143.39	-143.39	-136.78	165.46
71	121.16	-121.16	-165.46	189.69
72	95.895	-95.895	-189.69	208.87
73	69.845	-69.845	-208.87	222.84
74	44.945	-44.945	-222.84	231.83
75	21.183	-21.183	-231.83	236.07
76	-1.4387	1.4387	-236.07	235.78
77	-22.929	22.929	-235.78	231.19
78	-43.281	43.281	-231.19	222.54
79	-62.513	62.513	-222.54	210.04
80	-80.620	80.620	-210.04	193.91
81	-97.621	97.621	-193.91	174.39
82	-113.51	113.51	-174.39	151.68
83	-124.95	124.95	-151.68	126.70
84	-129.53	129.53	-126.70	100.79
85	-127.37	127.37	-100.79	75.313
86	-118.65	118.65	-75.313	51.583
87	-103.41	103.41	-51.583	30.902
88	-81.637	81.637	-30.902	14.574
89	-53.360	53.360	-14.574	3.9023
90	-19.512	19.512	-3.9023	-5.95390E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit	
ANCHOR	1	226.02	-8.08417E-04	4.93486E-02	0.0000	2633.3	0.0000	0.0000	ELASTIC ORIGINAL YOUNG MODULUS

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 17:58:40

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 5

Tirante2_1507 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 6.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit	
ANCHOR	1	222.72	-1.30685E-03	1.19857E-02	0.0000	4214.1	0.0000	0.0000	ELASTIC ORIGINAL YOUNG MODULUS

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      17:58:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


     F I N A L   I N C R E M E N T A L   A N A L Y S I S

                   S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        6
        3           CONVERGENCE :YES                        4
        4           CONVERGENCE :YES                        7
        5           CONVERGENCE :YES                        4
        6           CONVERGENCE :YES                        5


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.34 [sec]
```

2. SEZIONE 2 – PARATIA DI PALI

2.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:lunedì 29 luglio 2019 18:00:06
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
 WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0




 * 6.3: Strips
 STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
 STRIP LeftWall_32 2 7 0 40 0 10 30

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
```

```
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage6_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage7_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -13.1
WATER -26 0 -18 0 0
ENDSTEP
```

2.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :29 July 2019      18:00:06                                                     |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >


                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :29 July 2019      18:00:06                                                     |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................    91
NO. OF COORDINATES  (NCOORD)...................     2
NO. OF NODE DOFS    (NDOF).....................     2
NO. OF EQUATIONS    (NEQ)......................   182
NO. OF CONSTRAINTS CARDS (NVINC)...............     0
NO. OF ELEMENT GROUPS (NEG)....................     5
NO. OF SOLUTION STEPS (NSTE)...................     7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...     0
NO. OF RECORD FROM WALGEN .....................   109
NO. OF LONG NAMES (LASTNAME) ..................    26
LENGTH UNIT CHOICE ............................     3 (M   )
```

```
FORCE  UNIT CHOICE ..........................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                           |
|                                Exe Time :29 July 2019      18:00:06                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S    109

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
   29 : WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0
   30 : STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
   31 : STRIP LeftWall_32 2 7 0 40 0 10 30
   32 : STEP Stage1_31
   33 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   37 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   38 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   44 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   47 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   48 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   49 : SETWALL LeftWall_32
   50 : GEOM 0 0
```

```
   51 : WATER -26 0 -18 0 0
   52 : ADD WallElement_33
   53 : ENDSTEP
   54 : STEP Stage2_755438
   55 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   58 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   59 : SETWALL LeftWall_32
   60 : GEOM 0 0
   61 : WATER -26 0 -18 0 0
   62 : ENDSTEP
   63 : STEP Stage3_158
   64 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   67 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   68 : SETWALL LeftWall_32
   69 : GEOM 0 -3.5
   70 : WATER -26 0 -18 0 0
   71 : ENDSTEP
   72 : STEP Stage4_617
   73 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   74 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   75 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   76 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   77 : SETWALL LeftWall_32
   78 : GEOM 0 -3.5
   79 : WATER -26 0 -18 0 0
   80 : ADD Tirante1_429
   81 : ENDSTEP
   82 : STEP Stage5_714
   83 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   86 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   87 : SETWALL LeftWall_32
   88 : GEOM 0 -9.5
   89 : WATER -26 0 -18 0 0
   90 : ENDSTEP
   91 : STEP Stage6_1682
   92 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   93 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   94 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   95 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   96 : SETWALL LeftWall_32
   97 : GEOM 0 -9.5
   98 : WATER -26 0 -18 0 0
   99 : ADD Tirante2_1507
  100 : ENDSTEP
  101 : STEP Stage7_1779
  102 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  103 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  104 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  105 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  106 : SETWALL LeftWall_32
  107 : GEOM 0 -13.1
  108 : WATER -26 0 -18 0 0
  109 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                         |
|                               Exe Time :29 July 2019      18:00:06                                                    |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
---------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
```

```
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /   82  0.0000     -16.200     /   83  0.0000     -16.400     /   84  0.0000     -16.600     /
  85  0.0000     -16.800     /   86  0.0000     -17.000     /   87  0.0000     -17.200     /   88  0.0000     -17.400     /
  89  0.0000     -17.600     /   90  0.0000     -17.800     /   91  0.0000     -18.000     /


+-----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                             |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                            |
|                                  Exe Time :29 July 2019      18:00:06                                                       |
+-----------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                          :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
```

27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	1	0.2000	0.000	0.000	0.000	1.000
66	66	1	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                Exe Time :29 July 2019      18:00:06                                               |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis
```

stage	status
1	active
2	active
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

material set no. 2

prop(1) angle 180.000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000

59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	1	0.2000	0.000	0.000	0.000	2.000
66	66	1	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ............0.308300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
```

1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000

84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:00:06                                            |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
------------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   16    1   0.1974E-04 140.9     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:00:06                                            |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                   :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
```

```
    4  inactive
    5  inactive
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
------------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   46    1   0.3159E-04 250.0     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                  Exe Time :29 July 2019      18:00:06                                             |
+-------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                  Exe Time :29 July 2019      18:00:06                                             |
+-------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   3.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       8.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   11
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       8.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   12
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       8.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                Exe Time :29 July 2019      18:00:06                                                   |
+-----------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000
```

```
STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                   Exe Time :29 July 2019      18:00:06                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                   Exe Time :29 July 2019      18:00:06                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
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ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
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ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
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ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
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ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00         -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00         -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000

Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-13.10	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000

```
PORE_UPDATE_FLAG                          0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)          0.000         0.000
lateral thrusts reduction elevatio        0.000         0.000
Downhill reduction factor for effe        0.000         0.000
Downhill reduction factor for pore        0.000         0.000
Uphill reduction factor for effect        0.000         0.000
Uphill reduction factor for pore p        0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]          0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]         0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]         0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]           0.000         0.000
UPHILL DELTA/PHI RATIO                    0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
DOWNHILL DELTA/PHI RATIO                  0.000         0.000
DYN.WATER BEHAVIOUR                       0.000         0.000
Excess pore pressure RATIO Ru             0.000         0.000
SEISMIC PRESSURE LOWER VALUE              0.000         0.000
SEISMIC PRESSURE UPPER VALUE              0.000         0.000
SEISMIC PRESSURE LOWER LEVEL              0.000         0.000
SEISMIC PRESSURE UPPER LEVEL              0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :29 July 2019      18:00:06                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.325000000000000
 FOUNDATION WIDTH    (B)            39.6800000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          49.4000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000
```

```
 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4903

 NO. OF D.P.W  FOR THIS AREA      10857
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      1.0000

 HARDENING 2D SOIL ELEMENT
```

****** TOTAL STRESS FORMULATION *****

EL * Peq	FORCE Su_a	DISPL-Y Su_p	VERTICAL-P LAYER	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.4147E+04	0.000	0.000	1.000	1.000
0.000	0.000	0.000	Strato1_2_8_L_0									
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.4147E+04	-0.2000	0.000	1.000	1.000
2.014	0.000	0.000	Strato1_2_8_L_0									
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.4147E+04	-0.4000	0.000	1.000	1.000
4.028	0.000	0.000	Strato1_2_8_L_0									
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.4147E+04	-0.6000	0.000	1.000	1.000
6.042	0.000	0.000	Strato1_2_8_L_0									
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.4147E+04	-0.8000	0.000	1.000	1.000
8.056	0.000	0.000	Strato1_2_8_L_0									
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.4147E+04	-1.000	0.000	1.000	1.000
10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.4147E+04	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.4147E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.4147E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4147E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4147E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4147E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4147E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4147E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4147E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4147E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4147E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4147E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4147E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									

40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	1.4147E+04	-12.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	1.4147E+04	-12.80	0.000	1.000	1.000
128.9	0.000	0.000	Strato1_2_8_L_0									
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	1.4147E+04	-13.00	0.000	1.000	1.000
130.9	0.000	0.000	Strato1_2_8_L_0									
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	4.0020E+04	-13.20	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	4.0020E+04	-13.40	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	4.0020E+04	-13.60	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	4.0020E+04	-13.80	0.000	1.000	1.000
131.5	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	4.0020E+04	-14.00	0.000	1.000	1.000
133.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	4.0020E+04	-14.20	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	4.0020E+04	-14.40	0.000	1.000	1.000
137.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	4.0020E+04	-14.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	4.0020E+04	-14.80	0.000	1.000	1.000
141.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	4.0020E+04	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	4.0020E+04	-15.20	0.000	1.000	1.000
145.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	4.0020E+04	-15.40	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	4.0020E+04	-15.60	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	4.0020E+04	-15.80	0.000	1.000	1.000
151.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	4.0020E+04	-16.00	0.000	1.000	1.000
153.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	4.0020E+04	-16.20	0.000	1.000	1.000

155.4 0.000 0.000 Strato2_3095_82743_L_0
83 D 31.49 0.000 314.9 157.4 314.9 157.4 V-C 4.0020E+04 -16.40 0.000 1.000 1.000
157.4 0.000 0.000 Strato2_3095_82743_L_0
84 D 31.89 0.000 318.9 159.4 318.9 159.4 V-C 4.0020E+04 -16.60 0.000 1.000 1.000
159.4 0.000 0.000 Strato2_3095_82743_L_0
85 D 32.29 0.000 322.9 161.5 322.9 161.5 V-C 4.0020E+04 -16.80 0.000 1.000 1.000
161.5 0.000 0.000 Strato2_3095_82743_L_0
86 D 32.69 0.000 326.9 163.4 326.9 163.4 V-C 4.0020E+04 -17.00 0.000 1.000 1.000
163.4 0.000 0.000 Strato2_3095_82743_L_0
87 D 33.09 0.000 330.9 165.4 330.9 165.4 V-C 4.0020E+04 -17.20 0.000 1.000 1.000
165.4 0.000 0.000 Strato2_3095_82743_L_0
88 D 33.49 0.000 334.9 167.4 334.9 167.4 V-C 4.0020E+04 -17.40 0.000 1.000 1.000
167.4 0.000 0.000 Strato2_3095_82743_L_0
89 D 33.89 0.000 338.9 169.5 338.9 169.5 V-C 4.0020E+04 -17.60 0.000 1.000 1.000
169.5 0.000 0.000 Strato2_3095_82743_L_0
90 D 34.29 0.000 342.9 171.5 342.9 171.5 V-C 4.0020E+04 -17.80 0.000 1.000 1.000
171.5 0.000 0.000 Strato2_3095_82743_L_0
91 D 17.34 0.000 346.9 173.4 346.9 173.4 V-C 4.0020E+04 -18.00 0.000 1.000 1.000
173.4 0.000 0.000 Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63
Exe Time :29 July 2019 18:00:06

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	9817.	0.000	0.000	1.000	1.000
0.000	0.000	0.000	Strato1_2_8_L_0									
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	9817.	-0.2000	0.000	1.000	1.000
2.014	0.000	0.000	Strato1_2_8_L_0									
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	9817.	-0.4000	0.000	1.000	1.000
4.028	0.000	0.000	Strato1_2_8_L_0									
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	9817.	-0.6000	0.000	1.000	1.000
6.042	0.000	0.000	Strato1_2_8_L_0									
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	9817.	-0.8000	0.000	1.000	1.000
8.056	0.000	0.000	Strato1_2_8_L_0									
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	9817.	-1.000	0.000	1.000	1.000
10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	9817.	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	9817.	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	9817.	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	9817.	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	9817.	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	9817.	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	9817.	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	9817.	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	9817.	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	9817.	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	9817.	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	9817.	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	9817.	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	9817.	-3.800	0.000	1.000	1.000

38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	9817.	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	9817.	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	9817.	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	9817.	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	9817.	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	9817.	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	9817.	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	9817.	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	9817.	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	9817.	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	9817.	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	9817.	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	9817.	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	9817.	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	9817.	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	9817.	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	9817.	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	9817.	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	9817.	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	9817.	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	9817.	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	9817.	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									

63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	9817.	-12.40	0.000	1.000	1.000	124.9
0.000	0.000	Strato1_2_8_L_0											
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	9817.	-12.60	0.000	1.000	1.000	126.9
0.000	0.000	Strato1_2_8_L_0											
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	9817.	-12.80	0.000	1.000	1.000	128.9
0.000	0.000	Strato1_2_8_L_0											
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	9817.	-13.00	0.000	1.000	1.000	130.9
0.000	0.000	Strato1_2_8_L_0											
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	2.1690E+04	-13.20	0.000	1.000	1.000	125.5
0.000	0.000	Strato2_3095_82743_L_0											
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	2.1690E+04	-13.40	0.000	1.000	1.000	127.5
0.000	0.000	Strato2_3095_82743_L_0											
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	2.1690E+04	-13.60	0.000	1.000	1.000	129.4
0.000	0.000	Strato2_3095_82743_L_0											
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	2.1690E+04	-13.80	0.000	1.000	1.000	131.5
0.000	0.000	Strato2_3095_82743_L_0											
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	2.1690E+04	-14.00	0.000	1.000	1.000	133.5
0.000	0.000	Strato2_3095_82743_L_0											
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	2.1690E+04	-14.20	0.000	1.000	1.000	135.4
0.000	0.000	Strato2_3095_82743_L_0											
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	2.1690E+04	-14.40	0.000	1.000	1.000	137.4
0.000	0.000	Strato2_3095_82743_L_0											
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	2.1690E+04	-14.60	0.000	1.000	1.000	139.4
0.000	0.000	Strato2_3095_82743_L_0											
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	2.1690E+04	-14.80	0.000	1.000	1.000	141.4
0.000	0.000	Strato2_3095_82743_L_0											
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	2.1690E+04	-15.00	0.000	1.000	1.000	143.4
0.000	0.000	Strato2_3095_82743_L_0											
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	2.1690E+04	-15.20	0.000	1.000	1.000	145.4
0.000	0.000	Strato2_3095_82743_L_0											
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	2.1690E+04	-15.40	0.000	1.000	1.000	147.4
0.000	0.000	Strato2_3095_82743_L_0											
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	2.1690E+04	-15.60	0.000	1.000	1.000	149.4
0.000	0.000	Strato2_3095_82743_L_0											
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	2.1690E+04	-15.80	0.000	1.000	1.000	151.4
0.000	0.000	Strato2_3095_82743_L_0											
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	2.1690E+04	-16.00	0.000	1.000	1.000	153.4
0.000	0.000	Strato2_3095_82743_L_0											
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	2.1690E+04	-16.20	0.000	1.000	1.000	155.4
0.000	0.000	Strato2_3095_82743_L_0											
83 D	31.49	0.000	314.9	157.4	314.9	157.4	V-C	2.1690E+04	-16.40	0.000	1.000	1.000	157.4
0.000	0.000	Strato2_3095_82743_L_0											
84 D	31.89	0.000	318.9	159.4	318.9	159.4	V-C	2.1690E+04	-16.60	0.000	1.000	1.000	159.4
0.000	0.000	Strato2_3095_82743_L_0											
85 D	32.29	0.000	322.9	161.5	322.9	161.5	V-C	2.1690E+04	-16.80	0.000	1.000	1.000	161.5
0.000	0.000	Strato2_3095_82743_L_0											
86 D	32.69	0.000	326.9	163.4	326.9	163.4	V-C	2.1690E+04	-17.00	0.000	1.000	1.000	163.4
0.000	0.000	Strato2_3095_82743_L_0											
87 D	33.09	0.000	330.9	165.4	330.9	165.4	V-C	2.1690E+04	-17.20	0.000	1.000	1.000	165.4
0.000	0.000	Strato2_3095_82743_L_0											
88 D	33.49	0.000	334.9	167.4	334.9	167.4	V-C	2.1690E+04	-17.40	0.000	1.000	1.000	167.4
0.000	0.000	Strato2_3095_82743_L_0											
89 D	33.89	0.000	338.9	169.5	338.9	169.5	V-C	2.1690E+04	-17.60	0.000	1.000	1.000	169.5
0.000	0.000	Strato2_3095_82743_L_0											
90 D	34.29	0.000	342.9	171.5	342.9	171.5	V-C	2.1690E+04	-17.80	0.000	1.000	1.000	171.5
0.000	0.000	Strato2_3095_82743_L_0											
91 D	17.34	0.000	346.9	173.4	346.9	173.4	V-C	2.1690E+04	-18.00	0.000	1.000	1.000	173.4
0.000	0.000	Strato2_3095_82743_L_0											

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
 |                                                                                                                   |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
 |                                   Exe Time :29 July 2019      18:00:06                                            |
 +-------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                 :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
```

5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
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42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000

```
    90  0.0000      0.0000      0.0000      0.0000


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM= 1405.     REMNOR= 0.000     RATIO =0.1264     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.1264     RATIOR= 0.000
           MAX UN= 4.240     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM= 4.967     REMNOR=0.4237E-20 RATIO =0.7513E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.7513E-02 RATIOR= 0.000
           MAX UN= 1.673     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1717E-09 IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM=0.4909     REMNOR=0.5830E-21 RATIO =0.2362E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.2362E-02 RATIOR= 0.000
           MAX UN=0.5093     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.8358E-10 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM=0.6022E-04 REMNOR=0.5644E-21 RATIO =0.2616E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.2616E-04 RATIOR= 0.000
           MAX UN=0.7493E-02 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1148E-09 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   3.7011354E-04   3.0375484E-06
    2   3.7072153E-04   3.0447654E-06
    3   3.7133166E-04   3.0551835E-06
    4   3.7194366E-04   3.0664776E-06
    5   3.7255901E-04   3.0891198E-06
    6   3.7318082E-04   3.1343781E-06
    7   3.7381506E-04   3.2141976E-06
    8   3.7446934E-04   3.3366448E-06
    9   3.7515287E-04   3.5062873E-06
   10   3.7587486E-04   3.7210655E-06
   11   3.7664375E-04   3.9727671E-06
   12   3.7746566E-04   4.2497674E-06
   13   3.7834451E-04   4.5395515E-06
   14   3.7928162E-04   4.8314961E-06
   15   3.8027670E-04   5.1172391E-06
   16   3.8132763E-04   5.3896591E-06
   17   3.8243124E-04   5.6422471E-06
   18   3.8358277E-04   5.8684166E-06
   19   3.8477648E-04   6.0627428E-06
   20   3.8600542E-04   6.2203767E-06
   21   3.8726192E-04   6.3372506E-06
   22   3.8853735E-04   6.4096217E-06
   23   3.8982258E-04   6.4342539E-06
   24   3.9110766E-04   6.4080565E-06
   25   3.9238218E-04   6.3276342E-06
   26   3.9363483E-04   6.1890263E-06
   27   3.9485366E-04   5.9883233E-06
   28   3.9602576E-04   5.7215682E-06
   29   3.9713764E-04   5.3851983E-06
   30   3.9817496E-04   4.9758194E-06
   31   3.9912289E-04   4.4903282E-06
   32   3.9996579E-04   3.9252622E-06
   33   4.0068744E-04   3.2769374E-06
   34   4.0127078E-04   2.5418149E-06
   35   4.0169816E-04   1.7166343E-06
   36   4.0195122E-04   7.9831214E-07
   37   4.0201110E-04  -2.1588955E-07
   38   4.0185831E-04  -1.3284253E-06
   39   4.0147304E-04  -2.5413031E-06
   40   4.0083497E-04  -3.8564626E-06
   41   3.9992352E-04  -5.2756157E-06
   42   3.9871772E-04  -6.7997950E-06
   43   3.9719659E-04  -8.4291870E-06
   44   3.9533908E-04  -1.0163067E-05
   45   3.9312453E-04  -1.1999578E-05
   46   3.9053255E-04  -1.3935729E-05
   47   3.8754382E-04  -1.5967230E-05
   48   3.8413967E-04  -1.8088693E-05
   49   3.8030285E-04  -2.0292851E-05
   50   3.7601764E-04  -2.2570499E-05
   51   3.7127052E-04  -2.4910173E-05
   52   3.6605034E-04  -2.7298032E-05
   53   3.6034917E-04  -2.9717535E-05
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54	3.5416250E-04	-3.2149319E-05
55	3.4749010E-04	-3.4571153E-05
56	3.4033639E-04	-3.6957748E-05
57	3.3271128E-04	-3.9280203E-05
58	3.2463077E-04	-4.1505816E-05
59	3.1611786E-04	-4.3597819E-05
60	3.0720328E-04	-4.5515198E-05
61	2.9792646E-04	-4.7212455E-05
62	2.8833630E-04	-4.8639695E-05
63	2.7849221E-04	-4.9742424E-05
64	2.6846493E-04	-5.0461202E-05
65	2.5833763E-04	-5.0731501E-05
66	2.4820687E-04	-5.0483673E-05
67	2.3818369E-04	-4.9642895E-05
68	2.2838744E-04	-4.8236127E-05
69	2.1891867E-04	-4.6387964E-05
70	2.0985423E-04	-4.4210143E-05
71	2.0124996E-04	-4.1802004E-05
72	1.9314296E-04	-3.9250898E-05
73	1.8555444E-04	-3.6632919E-05
74	1.7849030E-04	-3.4013081E-05
75	1.7194564E-04	-3.1446801E-05
76	1.6590494E-04	-2.8980102E-05
77	1.6034445E-04	-2.6650599E-05
78	1.5523357E-04	-2.4488180E-05
79	1.5053653E-04	-2.2515429E-05
80	1.4621369E-04	-2.0748232E-05
81	1.4222289E-04	-1.9196293E-05
82	1.3852056E-04	-1.7863626E-05
83	1.3506300E-04	-1.6747540E-05
84	1.3180761E-04	-1.5840437E-05
85	1.2871354E-04	-1.5130266E-05
86	1.2574329E-04	-1.4600882E-05
87	1.2286250E-04	-1.4231877E-05
88	1.2004148E-04	-1.3998860E-05
89	1.1725577E-04	-1.3873540E-05
90	1.1448702E-04	-1.3823766E-05
91	1.1172363E-04	-1.3813592E-05

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+----------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                        NewProject.BaseDesignSection_28.Nominal_63                        |
|                                    Exe Time :29 July 2019      18:00:06                                  |
+----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-3.7011E-04	10.00	3.040	10.00	5.300	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.6575	-3.7072E-04	10.81	3.288	10.81	5.732	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.288	0.000	0.000	Strato1_2_8_L_0
3 D	1.910	-3.7133E-04	31.41	9.550	31.41	16.65	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.550	0.000	0.000	Strato1_2_8_L_0
4 D	2.005	-3.7194E-04	32.97	10.02	32.97	17.47	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	10.02	0.000	0.000	Strato1_2_8_L_0
5 D	2.751	-3.7256E-04	45.25	13.76	45.25	23.98	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	13.76	0.000	0.000	Strato1_2_8_L_0
6 D	2.841	-3.7318E-04	46.73	14.21	46.73	24.77	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.21	0.000	0.000	Strato1_2_8_L_0
7 D	3.396	-3.7382E-04	55.86	16.98	55.86	29.60	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.98	0.000	0.000	Strato1_2_8_L_0
8 D	3.502	-3.7447E-04	57.60	17.51	57.60	30.53	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.51	0.000	0.000	Strato1_2_8_L_0
9 D	3.925	-3.7515E-04	64.56	19.63	64.56	34.22	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.051	-3.7587E-04	66.63	20.26	66.63	35.31	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.26	0.000	0.000	Strato1_2_8_L_0

11 D	4.590	-3.7664E-04	73.46	22.95	73.46	38.94	UL-RL	4.2442E+04	-2.000	0.000	1.000	1.000	22.95	0.000	0.000	Strato1_2_8_L_0
12 D	4.822	-3.7747E-04	75.72	24.11	75.72	40.13	UL-RL	4.2442E+04	-2.200	0.000	1.000	1.000	24.11	0.000	0.000	Strato1_2_8_L_0
13 D	5.479	-3.7834E-04	81.98	27.39	81.98	43.45	UL-RL	4.2442E+04	-2.400	0.000	1.000	1.000	27.39	0.000	0.000	Strato1_2_8_L_0
14 D	5.727	-3.7928E-04	84.40	28.63	84.40	44.73	UL-RL	4.2442E+04	-2.600	0.000	1.000	1.000	28.63	0.000	0.000	Strato1_2_8_L_0
15 D	6.340	-3.8028E-04	90.27	31.70	90.27	47.84	UL-RL	4.2442E+04	-2.800	0.000	1.000	1.000	31.70	0.000	0.000	Strato1_2_8_L_0
16 D	6.562	-3.8133E-04	92.44	32.81	92.44	49.00	UL-RL	4.2442E+04	-3.000	0.000	1.000	1.000	32.81	0.000	0.000	Strato1_2_8_L_0
17 D	7.147	-3.8243E-04	98.05	35.73	98.05	51.96	UL-RL	4.2442E+04	-3.200	0.000	1.000	1.000	35.73	0.000	0.000	Strato1_2_8_L_0
18 D	7.421	-3.8358E-04	100.7	37.11	100.7	53.39	UL-RL	4.2442E+04	-3.400	0.000	1.000	1.000	37.11	0.000	0.000	Strato1_2_8_L_0
19 D	7.981	-3.8478E-04	106.1	39.91	106.1	56.24	UL-RL	4.2442E+04	-3.600	0.000	1.000	1.000	39.91	0.000	0.000	Strato1_2_8_L_0
20 D	8.264	-3.8601E-04	108.9	41.32	108.9	57.70	UL-RL	4.2442E+04	-3.800	0.000	1.000	1.000	41.32	0.000	0.000	Strato1_2_8_L_0
21 D	8.805	-3.8726E-04	114.1	44.03	114.1	60.46	UL-RL	4.2442E+04	-4.000	0.000	1.000	1.000	44.03	0.000	0.000	Strato1_2_8_L_0
22 D	9.096	-3.8854E-04	116.9	45.48	116.9	61.97	UL-RL	4.2442E+04	-4.200	0.000	1.000	1.000	45.48	0.000	0.000	Strato1_2_8_L_0
23 D	9.622	-3.8982E-04	122.0	48.11	122.0	64.66	UL-RL	4.2442E+04	-4.400	0.000	1.000	1.000	48.11	0.000	0.000	Strato1_2_8_L_0
24 D	9.894	-3.9111E-04	124.7	49.47	124.7	66.07	UL-RL	4.2442E+04	-4.600	0.000	1.000	1.000	49.47	0.000	0.000	Strato1_2_8_L_0
25 D	10.41	-3.9238E-04	129.6	52.04	129.6	68.70	UL-RL	4.2442E+04	-4.800	0.000	1.000	1.000	52.04	0.000	0.000	Strato1_2_8_L_0
26 D	10.71	-3.9363E-04	132.6	53.57	132.6	70.28	UL-RL	4.2442E+04	-5.000	0.000	1.000	1.000	53.57	0.000	0.000	Strato1_2_8_L_0
27 D	11.22	-3.9485E-04	137.5	56.10	137.5	72.85	UL-RL	4.2442E+04	-5.200	0.000	1.000	1.000	56.10	0.000	0.000	Strato1_2_8_L_0
28 D	11.53	-3.9603E-04	140.5	57.65	140.5	74.46	UL-RL	4.2442E+04	-5.400	0.000	1.000	1.000	57.65	0.000	0.000	Strato1_2_8_L_0
29 D	12.03	-3.9714E-04	145.3	60.14	145.3	76.99	UL-RL	4.2442E+04	-5.600	0.000	1.000	1.000	60.14	0.000	0.000	Strato1_2_8_L_0
30 D	12.34	-3.9817E-04	148.3	61.72	148.3	78.62	UL-RL	4.2442E+04	-5.800	0.000	1.000	1.000	61.72	0.000	0.000	Strato1_2_8_L_0
31 D	12.82	-3.9912E-04	152.9	64.08	152.9	81.02	UL-RL	4.2442E+04	-6.000	0.000	1.000	1.000	64.08	0.000	0.000	Strato1_2_8_L_0
32 D	13.14	-3.9997E-04	156.0	65.70	156.0	82.67	UL-RL	4.2442E+04	-6.200	0.000	1.000	1.000	65.70	0.000	0.000	Strato1_2_8_L_0
33 D	13.63	-4.0069E-04	160.6	68.13	160.6	85.14	UL-RL	4.2442E+04	-6.400	0.000	1.000	1.000	68.13	0.000	0.000	Strato1_2_8_L_0
34 D	13.96	-4.0127E-04	163.8	69.78	163.8	86.81	UL-RL	4.2442E+04	-6.600	0.000	1.000	1.000	69.78	0.000	0.000	Strato1_2_8_L_0
35 D	14.44	-4.0170E-04	168.4	72.20	168.4	89.25	UL-RL	4.2442E+04	-6.800	0.000	1.000	1.000	72.20	0.000	0.000	Strato1_2_8_L_0
36 D	14.78	-4.0195E-04	171.6	73.88	171.6	90.94	UL-RL	4.2442E+04	-7.000	0.000	1.000	1.000	73.88	0.000	0.000	Strato1_2_8_L_0
37 D	15.26	-4.0201E-04	176.1	76.28	176.1	93.35	UL-RL	4.2442E+04	-7.200	0.000	1.000	1.000	76.28	0.000	0.000	Strato1_2_8_L_0
38 D	15.60	-4.0186E-04	179.3	78.00	179.3	95.05	UL-RL	4.2442E+04	-7.400	0.000	1.000	1.000	78.00	0.000	0.000	Strato1_2_8_L_0
39 D	16.06	-4.0147E-04	183.7	80.32	183.7	97.36	UL-RL	4.2442E+04	-7.600	0.000	1.000	1.000	80.32	0.000	0.000	Strato1_2_8_L_0
40 D	16.41	-4.0083E-04	186.9	82.07	186.9	99.08	UL-RL	4.2442E+04	-7.800	0.000	1.000	1.000	82.07	0.000	0.000	Strato1_2_8_L_0
41 D	16.90	-3.9992E-04	191.4	84.48	191.4	101.5	UL-RL	4.2442E+04	-8.000	0.000	1.000	1.000	84.48	0.000	0.000	Strato1_2_8_L_0
42 D	17.25	-3.9872E-04	194.7	86.26	194.7	103.2	UL-RL	4.2442E+04	-8.200	0.000	1.000	1.000	86.26	0.000	0.000	Strato1_2_8_L_0
43 D	17.74	-3.9720E-04	199.1	88.68	199.1	105.5	UL-RL	4.2442E+04	-8.400	0.000	1.000	1.000	88.68	0.000	0.000	Strato1_2_8_L_0
44 D	18.10	-3.9534E-04	202.4	90.50	202.4	107.3	UL-RL	4.2442E+04	-8.600	0.000	1.000	1.000	90.50	0.000	0.000	Strato1_2_8_L_0
45 D	18.59	-3.9312E-04	206.8	92.93	206.8	109.6	UL-RL	4.2442E+04	-8.800	0.000	1.000	1.000	92.93	0.000	0.000	Strato1_2_8_L_0
46 D	18.95	-3.9053E-04	210.0	94.73	210.0	111.3	UL-RL	4.2442E+04	-9.000	0.000	1.000	1.000	94.73	0.000	0.000	Strato1_2_8_L_0
47 D	19.44	-3.8754E-04	214.4	97.18	214.4	113.6	UL-RL	4.2442E+04	-9.200	0.000	1.000	1.000	97.18	0.000	0.000	Strato1_2_8_L_0
48 D	19.82	-3.8414E-04	217.7	99.09	217.7	115.4	UL-RL	4.2442E+04	-9.400	0.000	1.000	1.000	99.09	0.000	0.000	Strato1_2_8_L_0
49 D	20.31	-3.8030E-04	222.1	101.6	222.1	117.7	UL-RL	4.2442E+04	-9.600	0.000	1.000	1.000	101.6	0.000	0.000	Strato1_2_8_L_0
50 D	20.70	-3.7602E-04	225.4	103.5	225.4	119.5	UL-RL	4.2442E+04	-9.800	0.000	1.000	1.000	103.5	0.000	0.000	Strato1_2_8_L_0
51 D	21.20	-3.7127E-04	229.8	106.0	229.8	121.8	UL-RL	4.2442E+04	-10.00	0.000	1.000	1.000	106.0	0.000	0.000	Strato1_2_8_L_0
52 D	21.60	-3.6605E-04	233.1	108.0	233.1	123.6	UL-RL	4.2442E+04	-10.20	0.000	1.000	1.000	108.0	0.000	0.000	Strato1_2_8_L_0
53 D	22.11	-3.6035E-04	237.4	110.5	237.4	125.8	UL-RL	4.2442E+04	-10.40	0.000	1.000	1.000				

110.5	0.000	0.000	Strato1_2_8_L_0									
54 D	22.51	-3.5416E-04	240.7	112.5	240.7	127.6	UL-RL	4.2442E+04	-10.60	0.000	1.000	1.000
112.5	0.000	0.000	Strato1_2_8_L_0									
55 D	23.02	-3.4749E-04	245.0	115.1	245.0	129.8	UL-RL	4.2442E+04	-10.80	0.000	1.000	1.000
115.1	0.000	0.000	Strato1_2_8_L_0									
56 D	23.44	-3.4034E-04	248.4	117.2	248.4	131.6	UL-RL	4.2442E+04	-11.00	0.000	1.000	1.000
117.2	0.000	0.000	Strato1_2_8_L_0									
57 D	23.96	-3.3271E-04	252.7	119.8	252.7	133.9	UL-RL	4.2442E+04	-11.20	0.000	1.000	1.000
119.8	0.000	0.000	Strato1_2_8_L_0									
58 D	24.39	-3.2463E-04	256.1	121.9	256.1	135.7	UL-RL	4.2442E+04	-11.40	0.000	1.000	1.000
121.9	0.000	0.000	Strato1_2_8_L_0									
59 D	24.91	-3.1612E-04	260.3	124.6	260.3	138.0	UL-RL	4.2442E+04	-11.60	0.000	1.000	1.000
124.6	0.000	0.000	Strato1_2_8_L_0									
60 D	25.35	-3.0720E-04	263.7	126.7	263.7	139.8	UL-RL	4.2442E+04	-11.80	0.000	1.000	1.000
126.7	0.000	0.000	Strato1_2_8_L_0									
61 D	25.87	-2.9793E-04	267.9	129.3	267.9	142.0	UL-RL	4.2442E+04	-12.00	0.000	1.000	1.000
129.3	0.000	0.000	Strato1_2_8_L_0									
62 D	26.31	-2.8834E-04	271.3	131.6	271.3	143.8	UL-RL	4.2442E+04	-12.20	0.000	1.000	1.000
131.6	0.000	0.000	Strato1_2_8_L_0									
63 D	26.84	-2.7849E-04	275.5	134.2	275.5	146.0	UL-RL	4.2442E+04	-12.40	0.000	1.000	1.000
134.2	0.000	0.000	Strato1_2_8_L_0									
64 D	27.29	-2.6846E-04	279.0	136.5	279.0	147.9	UL-RL	4.2442E+04	-12.60	0.000	1.000	1.000
136.5	0.000	0.000	Strato1_2_8_L_0									
65 D	27.83	-2.5834E-04	283.2	139.1	283.2	150.1	UL-RL	4.2442E+04	-12.80	0.000	1.000	1.000
139.1	0.000	0.000	Strato1_2_8_L_0									
66 D	28.28	-2.4821E-04	286.7	141.4	286.7	151.9	UL-RL	4.2442E+04	-13.00	0.000	1.000	1.000
141.4	0.000	0.000	Strato1_2_8_L_0									
67 D	23.38	-2.3818E-04	291.0	116.9	291.0	145.5	UL-RL	1.2006E+05	-13.20	0.000	1.000	1.000
116.9	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.98	-2.2839E-04	294.6	119.9	294.6	147.3	UL-RL	1.2006E+05	-13.40	0.000	1.000	1.000
119.9	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.64	-2.1892E-04	298.9	123.2	298.9	149.5	UL-RL	1.2006E+05	-13.60	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.22	-2.0985E-04	302.6	126.1	302.6	151.3	UL-RL	1.2006E+05	-13.80	0.000	1.000	1.000
126.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.86	-2.0125E-04	307.0	129.3	307.0	153.5	UL-RL	1.2006E+05	-14.00	0.000	1.000	1.000
129.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.43	-1.9314E-04	310.7	132.1	310.7	155.3	UL-RL	1.2006E+05	-14.20	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.05	-1.8555E-04	315.0	135.2	315.0	157.5	UL-RL	1.2006E+05	-14.40	0.000	1.000	1.000
135.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.58	-1.7849E-04	318.7	137.9	318.7	159.4	UL-RL	1.2006E+05	-14.60	0.000	1.000	1.000
137.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.18	-1.7195E-04	323.1	140.9	323.1	161.5	UL-RL	1.2006E+05	-14.80	0.000	1.000	1.000
140.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.68	-1.6590E-04	326.7	143.4	326.7	163.3	UL-RL	1.2006E+05	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.25	-1.6034E-04	331.0	146.3	331.0	165.5	UL-RL	1.2006E+05	-15.20	0.000	1.000	1.000
146.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.75	-1.5523E-04	334.7	148.7	334.7	167.4	UL-RL	1.2006E+05	-15.40	0.000	1.000	1.000
148.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.29	-1.5054E-04	339.1	151.5	339.1	169.5	UL-RL	1.2006E+05	-15.60	0.000	1.000	1.000
151.5	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.77	-1.4621E-04	342.8	153.8	342.8	171.4	UL-RL	1.2006E+05	-15.80	0.000	1.000	1.000
153.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	31.30	-1.4222E-04	347.1	156.5	347.1	173.6	UL-RL	1.2006E+05	-16.00	0.000	1.000	1.000
156.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.82	-1.3852E-04	351.4	159.1	351.4	175.7	UL-RL	1.2006E+05	-16.20	0.000	1.000	1.000
159.1	0.000	0.000	Strato2_3095_82743_L_0									
83 D	32.27	-1.3506E-04	355.1	161.4	355.1	177.6	UL-RL	1.2006E+05	-16.40	0.000	1.000	1.000
161.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	32.77	-1.3181E-04	359.4	163.9	359.4	179.7	UL-RL	1.2006E+05	-16.60	0.000	1.000	1.000
163.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	33.22	-1.2871E-04	363.1	166.1	363.1	181.6	UL-RL	1.2006E+05	-16.80	0.000	1.000	1.000
166.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	33.72	-1.2574E-04	367.4	168.6	367.4	183.7	UL-RL	1.2006E+05	-17.00	0.000	1.000	1.000
168.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	34.16	-1.2286E-04	371.1	170.8	371.1	185.6	UL-RL	1.2006E+05	-17.20	0.000	1.000	1.000
170.8	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.66	-1.2004E-04	375.4	173.3	375.4	187.7	UL-RL	1.2006E+05	-17.40	0.000	1.000	1.000
173.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.10	-1.1726E-04	379.2	175.5	379.2	189.6	UL-RL	1.2006E+05	-17.60	0.000	1.000	1.000
175.5	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.60	-1.1449E-04	383.5	178.0	383.5	191.7	UL-RL	1.2006E+05	-17.80	0.000	1.000	1.000
178.0	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.02	-1.1172E-04	387.1	180.2	387.1	193.6	UL-RL	1.2006E+05	-18.00	0.000	1.000	1.000
180.2	0.000	0.000	Strato2_3095_82743_L_0									

| Exe Time :29 July 2019 18:00:06 |

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	3.7011E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.131	3.7072E-04	3.800	5.654	3.800	5.654	V-C	9817.	-0.2000	0.000	1.000	1.000	5.654	0.000	0.000	Strato1_2_8_L_0
3 D	1.535	3.7133E-04	7.600	7.674	7.600	7.674	V-C	9817.	-0.4000	0.000	1.000	1.000	7.674	0.000	0.000	Strato1_2_8_L_0
4 D	1.939	3.7194E-04	11.40	9.694	11.40	9.694	V-C	9817.	-0.6000	0.000	1.000	1.000	9.694	0.000	0.000	Strato1_2_8_L_0
5 D	2.343	3.7256E-04	15.20	11.71	15.20	11.71	V-C	9817.	-0.8000	0.000	1.000	1.000	11.71	0.000	0.000	Strato1_2_8_L_0
6 D	2.747	3.7318E-04	19.00	13.73	19.00	13.73	V-C	9817.	-1.000	0.000	1.000	1.000	13.73	0.000	0.000	Strato1_2_8_L_0
7 D	3.151	3.7382E-04	22.80	15.75	22.80	15.75	V-C	9817.	-1.200	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
8 D	3.555	3.7447E-04	26.60	17.77	26.60	17.77	V-C	9817.	-1.400	0.000	1.000	1.000	17.77	0.000	0.000	Strato1_2_8_L_0
9 D	3.959	3.7515E-04	30.40	19.80	30.40	19.80	V-C	9817.	-1.600	0.000	1.000	1.000	19.80	0.000	0.000	Strato1_2_8_L_0
10 D	4.363	3.7587E-04	34.20	21.82	34.20	21.82	V-C	9817.	-1.800	0.000	1.000	1.000	21.82	0.000	0.000	Strato1_2_8_L_0
11 D	4.768	3.7664E-04	38.00	23.84	38.00	23.84	V-C	9817.	-2.000	0.000	1.000	1.000	23.84	0.000	0.000	Strato1_2_8_L_0
12 D	5.172	3.7747E-04	41.80	25.86	41.80	25.86	V-C	9817.	-2.200	0.000	1.000	1.000	25.86	0.000	0.000	Strato1_2_8_L_0
13 D	5.576	3.7834E-04	45.60	27.88	45.60	27.88	V-C	9817.	-2.400	0.000	1.000	1.000	27.88	0.000	0.000	Strato1_2_8_L_0
14 D	5.981	3.7928E-04	49.40	29.91	49.40	29.91	V-C	9817.	-2.600	0.000	1.000	1.000	29.91	0.000	0.000	Strato1_2_8_L_0
15 D	6.386	3.8028E-04	53.20	31.93	53.20	31.93	V-C	9817.	-2.800	0.000	1.000	1.000	31.93	0.000	0.000	Strato1_2_8_L_0
16 D	6.791	3.8133E-04	57.00	33.95	57.00	33.95	V-C	9817.	-3.000	0.000	1.000	1.000	33.95	0.000	0.000	Strato1_2_8_L_0
17 D	7.196	3.8243E-04	60.80	35.98	60.80	35.98	V-C	9817.	-3.200	0.000	1.000	1.000	35.98	0.000	0.000	Strato1_2_8_L_0
18 D	7.601	3.8358E-04	64.60	38.00	64.60	38.00	V-C	9817.	-3.400	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_2_8_L_0
19 D	8.006	3.8478E-04	68.40	40.03	68.40	40.03	V-C	9817.	-3.600	0.000	1.000	1.000	40.03	0.000	0.000	Strato1_2_8_L_0
20 D	8.411	3.8601E-04	72.20	42.06	72.20	42.06	V-C	9817.	-3.800	0.000	1.000	1.000	42.06	0.000	0.000	Strato1_2_8_L_0
21 D	8.816	3.8726E-04	76.00	44.08	76.00	44.08	V-C	9817.	-4.000	0.000	1.000	1.000	44.08	0.000	0.000	Strato1_2_8_L_0
22 D	9.222	3.8854E-04	79.80	46.11	79.80	46.11	V-C	9817.	-4.200	0.000	1.000	1.000	46.11	0.000	0.000	Strato1_2_8_L_0
23 D	9.627	3.8982E-04	83.60	48.14	83.60	48.14	V-C	9817.	-4.400	0.000	1.000	1.000	48.14	0.000	0.000	Strato1_2_8_L_0
24 D	10.03	3.9111E-04	87.40	50.16	87.40	50.16	V-C	9817.	-4.600	0.000	1.000	1.000	50.16	0.000	0.000	Strato1_2_8_L_0
25 D	10.44	3.9238E-04	91.20	52.19	91.20	52.19	V-C	9817.	-4.800	0.000	1.000	1.000	52.19	0.000	0.000	Strato1_2_8_L_0
26 D	10.84	3.9363E-04	95.00	54.21	95.00	54.21	V-C	9817.	-5.000	0.000	1.000	1.000	54.21	0.000	0.000	Strato1_2_8_L_0
27 D	11.25	3.9485E-04	98.80	56.24	98.80	56.24	V-C	9817.	-5.200	0.000	1.000	1.000	56.24	0.000	0.000	Strato1_2_8_L_0
28 D	11.65	3.9603E-04	102.6	58.25	102.6	58.27	UL-RL	2.9452E+04	-5.400	0.000	1.000	1.000	58.25	0.000	0.000	Strato1_2_8_L_0
29 D	12.05	3.9714E-04	106.4	60.25	106.4	60.31	UL-RL	2.9452E+04	-5.600	0.000	1.000	1.000	60.25	0.000	0.000	Strato1_2_8_L_0
30 D	12.45	3.9817E-04	110.2	62.26	110.2	62.34	UL-RL	2.9452E+04	-5.800	0.000	1.000	1.000	62.26	0.000	0.000	Strato1_2_8_L_0
31 D	12.85	3.9912E-04	114.0	64.27	114.0	64.37	UL-RL	2.9452E+04	-6.000	0.000	1.000	1.000	64.27	0.000	0.000	Strato1_2_8_L_0
32 D	13.26	3.9997E-04	117.8	66.28	117.8	66.40	UL-RL	2.9452E+04	-6.200	0.000	1.000	1.000	66.28	0.000	0.000	Strato1_2_8_L_0
33 D	13.66	4.0069E-04	121.6	68.29	121.6	68.43	UL-RL	2.9452E+04	-6.400	0.000	1.000	1.000	68.29	0.000	0.000	Strato1_2_8_L_0

34 D	14.06	4.0127E-04	125.4	70.31	125.4	70.45	UL-RL	2.9452E+04	-6.600	0.000	1.000	1.000
70.31	0.000	0.000	Strato1_2_8_L_0									
35 D	14.46	4.0170E-04	129.2	72.32	129.2	72.47	UL-RL	2.9452E+04	-6.800	0.000	1.000	1.000
72.32	0.000	0.000	Strato1_2_8_L_0									
36 D	14.87	4.0195E-04	133.0	74.33	133.0	74.49	UL-RL	2.9452E+04	-7.000	0.000	1.000	1.000
74.33	0.000	0.000	Strato1_2_8_L_0									
37 D	15.27	4.0201E-04	136.8	76.35	136.8	76.50	UL-RL	2.9452E+04	-7.200	0.000	1.000	1.000
76.35	0.000	0.000	Strato1_2_8_L_0									
38 D	15.67	4.0186E-04	140.6	78.36	140.6	78.52	UL-RL	2.9452E+04	-7.400	0.000	1.000	1.000
78.36	0.000	0.000	Strato1_2_8_L_0									
39 D	16.07	4.0147E-04	144.4	80.37	144.4	80.53	UL-RL	2.9452E+04	-7.600	0.000	1.000	1.000
80.37	0.000	0.000	Strato1_2_8_L_0									
40 D	16.48	4.0083E-04	148.2	82.38	148.2	82.53	UL-RL	2.9452E+04	-7.800	0.000	1.000	1.000
82.38	0.000	0.000	Strato1_2_8_L_0									
41 D	16.88	3.9992E-04	152.0	84.39	152.0	84.54	UL-RL	2.9452E+04	-8.000	0.000	1.000	1.000
84.39	0.000	0.000	Strato1_2_8_L_0									
42 D	17.28	3.9872E-04	155.8	86.39	155.8	86.54	UL-RL	2.9452E+04	-8.200	0.000	1.000	1.000
86.39	0.000	0.000	Strato1_2_8_L_0									
43 D	17.68	3.9720E-04	159.6	88.40	159.6	88.53	UL-RL	2.9452E+04	-8.400	0.000	1.000	1.000
88.40	0.000	0.000	Strato1_2_8_L_0									
44 D	18.08	3.9534E-04	163.4	90.40	163.4	90.53	UL-RL	2.9452E+04	-8.600	0.000	1.000	1.000
90.40	0.000	0.000	Strato1_2_8_L_0									
45 D	18.48	3.9312E-04	167.2	92.39	167.2	92.52	UL-RL	2.9452E+04	-8.800	0.000	1.000	1.000
92.39	0.000	0.000	Strato1_2_8_L_0									
46 D	18.88	3.9053E-04	171.0	94.39	171.0	94.50	UL-RL	2.9452E+04	-9.000	0.000	1.000	1.000
94.39	0.000	0.000	Strato1_2_8_L_0									
47 D	19.28	3.8754E-04	174.8	96.38	174.8	96.49	UL-RL	2.9452E+04	-9.200	0.000	1.000	1.000
96.38	0.000	0.000	Strato1_2_8_L_0									
48 D	19.67	3.8414E-04	178.6	98.36	178.6	98.46	UL-RL	2.9452E+04	-9.400	0.000	1.000	1.000
98.36	0.000	0.000	Strato1_2_8_L_0									
49 D	20.07	3.8030E-04	182.4	100.3	182.4	100.4	UL-RL	2.9452E+04	-9.600	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.46	3.7602E-04	186.2	102.3	186.2	102.4	UL-RL	2.9452E+04	-9.800	0.000	1.000	1.000
102.3	0.000	0.000	Strato1_2_8_L_0									
51 D	20.86	3.7127E-04	190.0	104.3	190.0	104.4	UL-RL	2.9452E+04	-10.00	0.000	1.000	1.000
104.3	0.000	0.000	Strato1_2_8_L_0									
52 D	21.25	3.6605E-04	193.8	106.3	193.8	106.3	UL-RL	2.9452E+04	-10.20	0.000	1.000	1.000
106.3	0.000	0.000	Strato1_2_8_L_0									
53 D	21.64	3.6035E-04	197.6	108.2	197.6	108.3	UL-RL	2.9452E+04	-10.40	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
54 D	22.04	3.5416E-04	201.4	110.2	201.4	110.2	UL-RL	2.9452E+04	-10.60	0.000	1.000	1.000
110.2	0.000	0.000	Strato1_2_8_L_0									
55 D	22.43	3.4749E-04	205.2	112.1	205.2	112.2	UL-RL	2.9452E+04	-10.80	0.000	1.000	1.000
112.1	0.000	0.000	Strato1_2_8_L_0									
56 D	22.82	3.4034E-04	209.0	114.1	209.0	114.1	UL-RL	2.9452E+04	-11.00	0.000	1.000	1.000
114.1	0.000	0.000	Strato1_2_8_L_0									
57 D	23.20	3.3271E-04	212.8	116.0	212.8	116.1	UL-RL	2.9452E+04	-11.20	0.000	1.000	1.000
116.0	0.000	0.000	Strato1_2_8_L_0									
58 D	23.59	3.2463E-04	216.6	118.0	216.6	118.0	UL-RL	2.9452E+04	-11.40	0.000	1.000	1.000
118.0	0.000	0.000	Strato1_2_8_L_0									
59 D	23.98	3.1612E-04	220.4	119.9	220.4	119.9	UL-RL	2.9452E+04	-11.60	0.000	1.000	1.000
119.9	0.000	0.000	Strato1_2_8_L_0									
60 D	24.37	3.0720E-04	224.2	121.8	224.2	121.9	UL-RL	2.9452E+04	-11.80	0.000	1.000	1.000
121.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.75	2.9793E-04	228.0	123.8	228.0	123.8	UL-RL	2.9452E+04	-12.00	0.000	1.000	1.000
123.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.13	2.8834E-04	231.8	125.7	231.8	125.7	UL-RL	2.9452E+04	-12.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato1_2_8_L_0									
63 D	25.52	2.7849E-04	235.6	127.6	235.6	127.6	UL-RL	2.9452E+04	-12.40	0.000	1.000	1.000
127.6	0.000	0.000	Strato1_2_8_L_0									
64 D	25.90	2.6846E-04	239.4	129.5	239.4	129.5	UL-RL	2.9452E+04	-12.60	0.000	1.000	1.000
129.5	0.000	0.000	Strato1_2_8_L_0									
65 D	26.29	2.5834E-04	243.2	131.4	243.2	131.4	UL-RL	2.9452E+04	-12.80	0.000	1.000	1.000
131.4	0.000	0.000	Strato1_2_8_L_0									
66 D	26.67	2.4821E-04	247.0	133.3	247.0	133.3	UL-RL	2.9452E+04	-13.00	0.000	1.000	1.000
133.3	0.000	0.000	Strato1_2_8_L_0									
67 D	26.12	2.3818E-04	250.9	130.6	250.9	130.6	UL-RL	6.5071E+04	-13.20	0.000	1.000	1.000
130.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.48	2.2839E-04	254.9	132.4	254.9	132.4	UL-RL	6.5071E+04	-13.40	0.000	1.000	1.000
132.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.84	2.1892E-04	258.9	134.2	258.9	134.2	UL-RL	6.5071E+04	-13.60	0.000	1.000	1.000
134.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.20	2.0985E-04	262.9	136.0	262.9	136.0	V-C	2.1690E+04	-13.80	0.000	1.000	1.000
136.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.56	2.0125E-04	266.9	137.8	266.9	137.8	V-C	2.1690E+04	-14.00	0.000	1.000	1.000
137.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.93	1.9314E-04	270.9	139.6	270.9	139.6	V-C	2.1690E+04	-14.20	0.000	1.000	1.000
139.6	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.29	1.8555E-04	274.9	141.5	274.9	141.5	V-C	2.1690E+04	-14.40	0.000	1.000	1.000
141.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.66	1.7849E-04	278.9	143.3	278.9	143.3	V-C	2.1690E+04	-14.60	0.000	1.000	1.000
143.3	0.000	0.000	Strato2_3095_82743_L_0									
75 D	29.04	1.7195E-04	282.9	145.2	282.9	145.2	V-C	2.1690E+04	-14.80	0.000	1.000	1.000
145.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.41	1.6590E-04	286.9	147.0	286.9	147.0	V-C	2.1690E+04	-15.00	0.000	1.000	1.000

```
147.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.79      1.6034E-04  290.9       148.9       290.9       148.9            V-C  2.1690E+04  -15.20       0.000       1.000       1.000
148.9       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.16      1.5523E-04  294.9       150.8       294.9       150.8            V-C  2.1690E+04  -15.40       0.000       1.000       1.000
150.8       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.54      1.5054E-04  298.9       152.7       298.9       152.7            V-C  2.1690E+04  -15.60       0.000       1.000       1.000
152.7       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.92      1.4621E-04  302.9       154.6       302.9       154.6            V-C  2.1690E+04  -15.80       0.000       1.000       1.000
154.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   31.31      1.4222E-04  306.9       156.5       306.9       156.5            V-C  2.1690E+04  -16.00       0.000       1.000       1.000
156.5       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.69      1.3852E-04  310.9       158.5       310.9       158.5          UL-RL  6.5071E+04  -16.20       0.000       1.000       1.000
158.5       0.000       0.000     Strato2_3095_82743_L_0
  83 D   32.08      1.3506E-04  314.9       160.4       314.9       160.4          UL-RL  6.5071E+04  -16.40       0.000       1.000       1.000
160.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   32.46      1.3181E-04  318.9       162.3       318.9       162.3          UL-RL  6.5071E+04  -16.60       0.000       1.000       1.000
162.3       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.85      1.2871E-04  322.9       164.2       322.9       164.2          UL-RL  6.5071E+04  -16.80       0.000       1.000       1.000
164.2       0.000       0.000     Strato2_3095_82743_L_0
  86 D   33.24      1.2574E-04  326.9       166.2       326.9       166.2          UL-RL  6.5071E+04  -17.00       0.000       1.000       1.000
166.2       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.62      1.2286E-04  330.9       168.1       330.9       168.1          UL-RL  6.5071E+04  -17.20       0.000       1.000       1.000
168.1       0.000       0.000     Strato2_3095_82743_L_0
  88 D   34.01      1.2004E-04  334.9       170.1       334.9       170.1          UL-RL  6.5071E+04  -17.40       0.000       1.000       1.000
170.1       0.000       0.000     Strato2_3095_82743_L_0
  89 D   34.40      1.1726E-04  338.9       172.0       338.9       172.0          UL-RL  6.5071E+04  -17.60       0.000       1.000       1.000
172.0       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.79      1.1449E-04  342.9       173.9       342.9       173.9          UL-RL  6.5071E+04  -17.80       0.000       1.000       1.000
173.9       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.59      1.1172E-04  346.9       175.9       346.9       175.9          UL-RL  6.5071E+04  -18.00       0.000       1.000       1.000
175.9       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
 |                                   Exe Time :29 July 2019      18:00:06                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------
     1 0.30400    -0.30400    -4.10694E-12 6.08000E-02
     2-0.16916     0.16916    -6.08000E-02 2.69671E-02
     3 0.20607    -0.20607    -2.69671E-02 6.81802E-02
     4 0.27194    -0.27194    -6.81802E-02 0.12257
     5 0.68070    -0.68070    -0.12257     0.25871
     6 0.77511    -0.77511    -0.25871     0.41373
     7  1.0205     -1.0205    -0.41373     0.61783
     8 0.96751    -0.96751    -0.61783     0.81133
     9 0.93372    -0.93372    -0.81133     0.99807
    10 0.62160    -0.62160    -0.99807      1.1224
    11 0.44405    -0.44405     -1.1224      1.2112
    12 9.44456E-02-9.44456E-02 -1.2112      1.2301
    13-3.44455E-03 3.44455E-03 -1.2301      1.2294
    14-0.25778     0.25778     -1.2294      1.1778
    15-0.30343     0.30343     -1.1778      1.1172
    16-0.53194     0.53194     -1.1172      1.0108
    17-0.58087     0.58087     -1.0108     0.89460
    18-0.76045     0.76045    -0.89460     0.74251
    19-0.78512     0.78512    -0.74251     0.58548
    20-0.93179     0.93179    -0.58548     0.39912
    21-0.94278     0.94278    -0.39912     0.21057
    22 -1.0681      1.0681    -0.21057    -3.05325E-03
    23 -1.0730      1.0730     3.05325E-03-0.21765
    24 -1.2111      1.2111     0.21765    -0.45987
    25 -1.2398      1.2398     0.45987    -0.70783
    26 -1.3758      1.3758     0.70783    -0.98299
    27 -1.4065      1.4065     0.98299     -1.2643
    28 -1.5260      1.5260      1.2643     -1.5695
    29 -1.5493      1.5493      1.5695     -1.8793
    30 -1.6567      1.6567      1.8793     -2.2107
    31 -1.6952      1.6952      2.2107     -2.5497
```

32	-1.8119	1.8119	2.5497	-2.9121
33	-1.8442	1.8442	2.9121	-3.2809
34	-1.9494	1.9494	3.2809	-3.6708
35	-1.9737	1.9737	3.6708	-4.0656
36	-2.0649	2.0649	4.0656	-4.4786
37	-2.0771	2.0771	4.4786	-4.8940
38	-2.1495	2.1495	4.8940	-5.3239
39	-2.1591	2.1591	5.3239	-5.7557
40	-2.2211	2.2211	5.7557	-6.1999
41	-2.2029	2.2029	6.1999	-6.6405
42	-2.2289	2.2289	6.6405	-7.0863
43	-2.1724	2.1724	7.0863	-7.5208
44	-2.1511	2.1511	7.5208	-7.9510
45	-2.0435	2.0435	7.9510	-8.3597
46	-1.9749	1.9749	8.3597	-8.7547
47	-1.8146	1.8146	8.7547	-9.1176
48	-1.6692	1.6692	9.1176	-9.4514
49	-1.4260	1.4260	9.4514	-9.7366
50	-1.1867	1.1867	9.7366	-9.9740
51	-0.84253	0.84253	9.9740	-10.142
52	-0.49083	0.49083	10.142	-10.241
53	-2.65242E-02	2.65242E-02	10.241	-10.246
54	0.44564	-0.44564	10.246	-10.157
55	1.0387	-1.0387	10.157	-9.9491
56	1.6630	-1.6630	9.9491	-9.6165
57	2.4162	-2.4162	9.6165	-9.1332
58	3.2118	-3.2118	9.1332	-8.4909
59	4.1438	-4.1438	8.4909	-7.6621
60	5.1283	-5.1283	7.6621	-6.6365
61	6.2455	-6.2455	6.6365	-5.3873
62	7.4237	-7.4237	5.3873	-3.9026
63	8.7494	-8.7494	3.9026	-2.1527
64	10.142	-10.142	2.1527	-0.12440
65	11.683	-11.683	0.12440	2.2122
66	13.293	-13.293	-2.2122	4.8709
67	10.548	-10.548	-4.8709	6.9804
68	8.0452	-8.0452	-6.9804	8.5894
69	5.8409	-5.8409	-8.5894	9.7576
70	3.8606	-3.8606	-9.7576	10.530
71	2.1615	-2.1615	-10.530	10.962
72	0.66093	-0.66093	-10.962	11.094
73	-0.58810	0.58810	-11.094	10.977
74	-1.6679	1.6679	-10.977	10.643
75	-2.5268	2.5268	-10.643	10.138
76	-3.2523	3.2523	-10.138	9.4872
77	-3.7857	3.7857	-9.4872	8.7301
78	-4.2036	4.2036	-8.7301	7.8894
79	-4.4549	4.4549	-7.8894	6.9984
80	-4.6123	4.6123	-6.9984	6.0759
81	-4.6240	4.6240	-6.0759	5.1511
82	-4.4990	4.4990	-5.1511	4.2513
83	-4.3039	4.3039	-4.2513	3.3906
84	-3.9926	3.9926	-3.3906	2.5920
85	-3.6209	3.6209	-2.5920	1.8678
86	-3.1347	3.1347	-1.8678	1.2409
87	-2.5935	2.5935	-1.2409	0.72217
88	-1.9429	1.9429	-0.72217	0.33360
89	-1.2394	1.2394	-0.33360	8.57188E-02
90	-0.42859	0.42859	-8.57188E-02	1.32117E-14

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :29 July 2019      18:00:06                                                    |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 751.6     REMNOR=0.5644E-21 RATIO =0.1000     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1000     RATIOR= 0.000
           MAX UN= 7.601     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.9409E-10 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 293.5     REMNOR=0.2343E-19 RATIO =0.6250E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.6250E-01 RATIOR= 0.000
           MAX UN= 7.663     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1109E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 159.6     REMNOR=0.3749E-18 RATIO =0.4608E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.4608E-01 RATIOR= 0.000
           MAX UN= 7.311     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3507E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 11.07     REMNOR=0.2389E-18 RATIO =0.1214E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1214E-01 RATIOR= 0.000
           MAX UN= 2.680     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.2886E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM=0.1348     REMNOR=0.7314E-19 RATIO =0.1340E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1340E-02 RATIOR= 0.000
           MAX UN=0.3450     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.2393E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
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```
          RENORM=0.1720E-16 REMNOR=0.1013E-18 RATIO =0.1513E-10 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 35.60     RMMAX = 11.09
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
          RDT   =0.7515E+05 RDR   = 6378.
          RATIOT=0.1513E-10 RATIOR= 0.000
          MAX UN=0.1584E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
          MIN UN=-.1238E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                      |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                  Exe Time :29 July 2019      18:00:06                                                         |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   1.1894417E-02  -1.6906769E-03
    2   1.1556282E-02  -1.6906697E-03
    3   1.1218151E-02  -1.6906324E-03
    4   1.0880036E-02  -1.6905041E-03
    5   1.0541962E-02  -1.6901920E-03
    6   1.0203979E-02  -1.6895829E-03
    7   9.8661575E-03  -1.6885443E-03
    8   9.5285993E-03  -1.6869280E-03
    9   9.1914358E-03  -1.6845702E-03
   10   8.8548324E-03  -1.6812947E-03
   11   8.5189917E-03  -1.6769120E-03
   12   8.1841549E-03  -1.6712201E-03
   13   7.8506053E-03  -1.6640034E-03
   14   7.5186704E-03  -1.6550344E-03
   15   7.1887244E-03  -1.6440730E-03
   16   6.8611908E-03  -1.6308671E-03
   17   6.5365448E-03  -1.6151528E-03
   18   6.2153152E-03  -1.5966553E-03
   19   5.8980873E-03  -1.5750876E-03
   20   5.5855023E-03  -1.5501877E-03
   21   5.2782453E-03  -1.5217911E-03
   22   4.9770210E-03  -1.4898675E-03
   23   4.6825265E-03  -1.4545211E-03
   24   4.3954263E-03  -1.4159903E-03
   25   4.1163237E-03  -1.3745812E-03
   26   3.8457654E-03  -1.3305980E-03
   27   3.5842362E-03  -1.2843395E-03
   28   3.3321617E-03  -1.2360996E-03
   29   3.0899103E-03  -1.1861679E-03
   30   2.8577895E-03  -1.1348291E-03
   31   2.6360537E-03  -1.0823655E-03
   32   2.4248997E-03  -1.0290562E-03
   33   2.2244691E-03  -9.7517813E-04
   34   2.0348480E-03  -9.2100630E-04
   35   1.8560688E-03  -8.6681454E-04
   36   1.6881063E-03  -8.1287498E-04
   37   1.5308838E-03  -7.5946016E-04
   38   1.3842691E-03  -7.0684252E-04
   39   1.2480761E-03  -6.5528547E-04
   40   1.1220691E-03  -6.0502561E-04
   41   1.0059666E-03  -5.5626516E-04
   42   8.9945160E-04  -5.0917578E-04
   43   8.0217535E-04  -4.6389979E-04
   44   7.1376307E-04  -4.2055295E-04
   45   6.3381985E-04  -3.7922678E-04
   46   5.6193178E-04  -3.3998900E-04
   47   4.9767977E-04  -3.0289096E-04
   48   4.4063073E-04  -2.6796286E-04
   49   3.9034922E-04  -2.3521952E-04
   50   3.4639756E-04  -2.0466049E-04
   51   3.0834040E-04  -1.7627088E-04
   52   2.7574643E-04  -1.5002045E-04
   53   2.4819231E-04  -1.2586606E-04
   54   2.2526395E-04  -1.0375263E-04
   55   2.0655950E-04  -8.3615637E-05
   56   1.9169077E-04  -6.5382406E-05
   57   1.8028493E-04  -4.8973206E-05
   58   1.7198559E-04  -3.4302480E-05
   59   1.6645406E-04  -2.1279901E-05
   60   1.6337003E-04  -9.8113866E-06
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   61   1.6243238E-04   2.0019698E-07
   62   1.6335962E-04   8.8544927E-06
   63   1.6589049E-04   1.6253433E-05
   64   1.6978423E-04   2.2500900E-05
   65   1.7482111E-04   2.7702281E-05
   66   1.8080250E-04   3.1964018E-05
   67   1.8755122E-04   3.5393273E-05
   68   1.9491071E-04   3.8085994E-05
   69   2.0274207E-04   4.0125499E-05
   70   2.1092272E-04   4.1592174E-05
   71   2.1934588E-04   4.2562978E-05
   72   2.2791974E-04   4.3111179E-05
   73   2.3656636E-04   4.3305992E-05
   74   2.4522246E-04   4.3212256E-05
   75   2.5383603E-04   4.2890136E-05
   76   2.6236698E-04   4.2394939E-05
   77   2.7078581E-04   4.1776774E-05
   78   2.7907248E-04   4.1080403E-05
   79   2.8721540E-04   4.0345355E-05
   80   2.9521032E-04   3.9605838E-05
   81   3.0305936E-04   3.8890725E-05
   82   3.1076980E-04   3.8223507E-05
   83   3.1835326E-04   3.7623729E-05
   84   3.2582473E-04   3.7105556E-05
   85   3.3320186E-04   3.6677585E-05
   86   3.4050236E-04   3.6342957E-05
   87   3.4774511E-04   3.6099399E-05
   88   3.5494769E-04   3.5939343E-05
   89   3.6212556E-04   3.5849897E-05
   90   3.6929114E-04   3.5812875E-05
   91   3.7645264E-04   3.5804782E-05


 +----------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                          |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                         |
 |                                   Exe Time :29 July 2019      18:00:06                                   |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

 0_L                                 :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
 C U R R E N T    T I M E    I S       3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE  STIFFNESS Z-LEVEL       PORE       E FACTOR     UFACTOR
Peq            Su_a         Su_p       LAYER
 ---------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D  0.3040     -1.1894E-02  10.00        3.040       10.00        5.300         ACTIVE  0.000       0.000       0.000         1.000        1.000
3.040        0.000        0.000    Strato1_2_8_L_0
   2 D  0.6575     -1.1556E-02  10.81        3.288       10.81        5.732         ACTIVE  0.000     -0.2000       0.000         1.000        1.000
3.288        0.000        0.000    Strato1_2_8_L_0
   3 D   1.910     -1.1218E-02  31.41        9.550       31.41        16.65         ACTIVE  0.000     -0.4000       0.000         1.000        1.000
9.550        0.000        0.000    Strato1_2_8_L_0
   4 D   2.005     -1.0880E-02  32.97        10.02       32.97        17.47         ACTIVE  0.000     -0.6000       0.000         1.000        1.000
10.02        0.000        0.000    Strato1_2_8_L_0
   5 D   2.751     -1.0542E-02  45.25        13.76       45.25        23.98         ACTIVE  0.000     -0.8000       0.000         1.000        1.000
13.76        0.000        0.000    Strato1_2_8_L_0
   6 D   2.841     -1.0204E-02  46.73        14.21       46.73        24.77         ACTIVE  0.000      -1.000       0.000         1.000        1.000
14.21        0.000        0.000    Strato1_2_8_L_0
   7 D   3.396     -9.8662E-03  55.86        16.98       55.86        29.60         ACTIVE  0.000      -1.200       0.000         1.000        1.000
16.98        0.000        0.000    Strato1_2_8_L_0
   8 D   3.502     -9.5286E-03  57.60        17.51       57.60        30.53         ACTIVE  0.000      -1.400       0.000         1.000        1.000
17.51        0.000        0.000    Strato1_2_8_L_0
   9 D   3.925     -9.1914E-03  64.56        19.63       64.56        34.22         ACTIVE  0.000      -1.600       0.000         1.000        1.000
19.63        0.000        0.000    Strato1_2_8_L_0
  10 D   4.051     -8.8548E-03  66.63        20.26       66.63        35.31         ACTIVE  0.000      -1.800       0.000         1.000        1.000
20.26        0.000        0.000    Strato1_2_8_L_0
  11 D   4.467     -8.5190E-03  73.46        22.33       73.46        38.94         ACTIVE  0.000      -2.000       0.000         1.000        1.000
22.33        0.000        0.000    Strato1_2_8_L_0
  12 D   4.604     -8.1842E-03  75.72        23.02       75.72        40.13         ACTIVE  0.000      -2.200       0.000         1.000        1.000
23.02        0.000        0.000    Strato1_2_8_L_0
  13 D   4.985     -7.8506E-03  81.98        24.92       81.98        43.45         ACTIVE  0.000      -2.400       0.000         1.000        1.000
24.92        0.000        0.000    Strato1_2_8_L_0
  14 D   5.131     -7.5187E-03  84.40        25.66       84.40        44.73         ACTIVE  0.000      -2.600       0.000         1.000        1.000
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25.66	0.000	0.000	Strato1_2_8_L_0									
15 D	5.488	-7.1887E-03	90.27	27.44	90.27	47.84	ACTIVE	0.000	-2.800	0.000	1.000	1.000
27.44	0.000	0.000	Strato1_2_8_L_0									
16 D	5.621	-6.8612E-03	92.44	28.10	92.44	49.00	ACTIVE	0.000	-3.000	0.000	1.000	1.000
28.10	0.000	0.000	Strato1_2_8_L_0									
17 D	5.961	-6.5365E-03	98.05	29.81	98.05	51.96	ACTIVE	0.000	-3.200	0.000	1.000	1.000
29.81	0.000	0.000	Strato1_2_8_L_0									
18 D	6.124	-6.2153E-03	100.7	30.62	100.7	53.39	ACTIVE	0.000	-3.400	0.000	1.000	1.000
30.62	0.000	0.000	Strato1_2_8_L_0									
19 D	6.451	-5.8981E-03	106.1	32.26	106.1	56.24	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.26	0.000	0.000	Strato1_2_8_L_0									
20 D	6.620	-5.5855E-03	108.9	33.10	108.9	57.70	ACTIVE	0.000	-3.800	0.000	1.000	1.000
33.10	0.000	0.000	Strato1_2_8_L_0									
21 D	6.936	-5.2782E-03	114.1	34.68	114.1	60.46	ACTIVE	0.000	-4.000	0.000	1.000	1.000
34.68	0.000	0.000	Strato1_2_8_L_0									
22 D	7.109	-4.9770E-03	116.9	35.55	116.9	61.97	ACTIVE	0.000	-4.200	0.000	1.000	1.000
35.55	0.000	0.000	Strato1_2_8_L_0									
23 D	7.417	-4.6825E-03	122.0	37.09	122.0	64.66	ACTIVE	0.000	-4.400	0.000	1.000	1.000
37.09	0.000	0.000	Strato1_2_8_L_0									
24 D	7.579	-4.3954E-03	124.7	37.90	124.7	66.07	ACTIVE	0.000	-4.600	0.000	1.000	1.000
37.90	0.000	0.000	Strato1_2_8_L_0									
25 D	7.881	-4.1163E-03	129.6	39.40	129.6	68.70	ACTIVE	0.000	-4.800	0.000	1.000	1.000
39.40	0.000	0.000	Strato1_2_8_L_0									
26 D	8.062	-3.8458E-03	132.6	40.31	132.6	70.28	ACTIVE	0.000	-5.000	0.000	1.000	1.000
40.31	0.000	0.000	Strato1_2_8_L_0									
27 D	8.358	-3.5842E-03	137.5	41.79	137.5	72.85	ACTIVE	0.000	-5.200	0.000	1.000	1.000
41.79	0.000	0.000	Strato1_2_8_L_0									
28 D	8.542	-3.3322E-03	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-3.0899E-03	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.8578E-03	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.6361E-03	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.4249E-03	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.2245E-03	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.0348E-03	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-1.8561E-03	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-1.6881E-03	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-1.5309E-03	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	11.31	-1.3843E-03	179.3	56.55	179.3	95.05	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
56.55	0.000	0.000	Strato1_2_8_L_0									
39 D	12.37	-1.2481E-03	183.7	61.84	183.7	97.36	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
61.84	0.000	0.000	Strato1_2_8_L_0									
40 D	13.27	-1.1221E-03	186.9	66.33	186.9	99.08	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
66.33	0.000	0.000	Strato1_2_8_L_0									
41 D	14.25	-1.0060E-03	191.4	71.25	191.4	101.5	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
71.25	0.000	0.000	Strato1_2_8_L_0									
42 D	15.07	-8.9945E-04	194.7	75.33	194.7	103.2	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
75.33	0.000	0.000	Strato1_2_8_L_0									
43 D	15.97	-8.0218E-04	199.1	79.84	199.1	105.5	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
79.84	0.000	0.000	Strato1_2_8_L_0									
44 D	16.71	-7.1376E-04	202.4	83.55	202.4	107.3	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
83.55	0.000	0.000	Strato1_2_8_L_0									
45 D	17.54	-6.3382E-04	206.8	87.68	206.8	109.6	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
87.68	0.000	0.000	Strato1_2_8_L_0									
46 D	18.20	-5.6193E-04	210.0	90.99	210.0	111.3	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
90.99	0.000	0.000	Strato1_2_8_L_0									
47 D	18.95	-4.9768E-04	214.4	94.77	214.4	113.6	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.77	0.000	0.000	Strato1_2_8_L_0									
48 D	19.57	-4.4063E-04	217.7	97.86	217.7	115.4	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.86	0.000	0.000	Strato1_2_8_L_0									
49 D	20.27	-3.9035E-04	222.1	101.3	222.1	117.7	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
101.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.83	-3.4640E-04	225.4	104.2	225.4	119.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
104.2	0.000	0.000	Strato1_2_8_L_0									
51 D	21.48	-3.0834E-04	229.8	107.4	229.8	121.8	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
107.4	0.000	0.000	Strato1_2_8_L_0									
52 D	22.00	-2.7575E-04	233.1	110.0	233.1	123.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
110.0	0.000	0.000	Strato1_2_8_L_0									
53 D	22.60	-2.4819E-04	237.4	113.0	237.4	125.8	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
113.0	0.000	0.000	Strato1_2_8_L_0									
54 D	23.07	-2.2526E-04	240.7	115.4	240.7	127.6	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
115.4	0.000	0.000	Strato1_2_8_L_0									
55 D	23.64	-2.0656E-04	245.0	118.2	245.0	129.8	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
118.2	0.000	0.000	Strato1_2_8_L_0									
56 D	24.09	-1.9169E-04	248.4	120.4	248.4	131.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
120.4	0.000	0.000	Strato1_2_8_L_0									

57 D	24.62	-1.8028E-04	252.7	123.1	252.7	133.9	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
123.1	0.000	0.000	Strato1_2_8_L_0									
58 D	25.05	-1.7199E-04	256.1	125.3	256.1	135.7	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
125.3	0.000	0.000	Strato1_2_8_L_0									
59 D	25.56	-1.6645E-04	260.3	127.8	260.3	138.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
127.8	0.000	0.000	Strato1_2_8_L_0									
60 D	25.98	-1.6337E-04	263.7	129.9	263.7	139.8	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
129.9	0.000	0.000	Strato1_2_8_L_0									
61 D	26.46	-1.6243E-04	267.9	132.3	267.9	142.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
132.3	0.000	0.000	Strato1_2_8_L_0									
62 D	26.86	-1.6336E-04	271.3	134.3	271.3	143.8	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
134.3	0.000	0.000	Strato1_2_8_L_0									
63 D	27.34	-1.6589E-04	275.5	136.7	275.5	146.0	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
136.7	0.000	0.000	Strato1_2_8_L_0									
64 D	27.73	-1.6978E-04	279.0	138.6	279.0	147.9	UL-RL	2.1827E+04	-12.60	0.000	1.000	1.000
138.6	0.000	0.000	Strato1_2_8_L_0									
65 D	28.19	-1.7482E-04	283.2	141.0	283.2	150.1	UL-RL	2.1827E+04	-12.80	0.000	1.000	1.000
141.0	0.000	0.000	Strato1_2_8_L_0									
66 D	28.57	-1.8080E-04	286.7	142.9	286.7	151.9	UL-RL	2.1827E+04	-13.00	0.000	1.000	1.000
142.9	0.000	0.000	Strato1_2_8_L_0									
67 D	24.00	-1.8755E-04	291.0	120.0	291.0	145.5	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
120.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.39	-1.9491E-04	294.6	122.0	294.6	147.3	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
122.0	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.84	-2.0274E-04	298.9	124.2	298.9	149.5	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
124.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.21	-2.1092E-04	302.6	126.0	302.6	151.3	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
126.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.64	-2.1935E-04	307.0	128.2	307.0	153.5	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
128.2	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.00	-2.2792E-04	310.7	130.0	310.7	155.3	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
130.0	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.42	-2.3657E-04	315.0	132.1	315.0	157.5	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.76	-2.4522E-04	318.7	133.8	318.7	159.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.17	-2.5384E-04	323.1	135.8	323.1	161.5	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
135.8	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.49	-2.6237E-04	326.7	137.5	326.7	163.3	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
137.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.89	-2.7079E-04	331.0	139.4	331.0	165.5	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.22	-2.7907E-04	334.7	141.1	334.7	167.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
141.1	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.60	-2.8722E-04	339.1	143.0	339.1	169.5	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
143.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.93	-2.9521E-04	342.8	144.6	342.8	171.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.6	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.31	-3.0306E-04	347.1	146.5	347.1	173.6	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
146.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.69	-3.1077E-04	351.4	148.4	351.4	175.7	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
148.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.01	-3.1835E-04	355.1	150.0	355.1	177.6	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
150.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.38	-3.2582E-04	359.4	151.9	359.4	179.7	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
151.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.69	-3.3320E-04	363.1	153.5	363.1	181.6	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
153.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.07	-3.4050E-04	367.4	155.3	367.4	183.7	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
155.3	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.39	-3.4775E-04	371.1	156.9	371.1	185.6	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
156.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.76	-3.5495E-04	375.4	158.8	375.4	187.7	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.8	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.08	-3.6213E-04	379.2	160.4	379.2	189.6	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.4	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.45	-3.6929E-04	383.5	162.3	383.5	191.7	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.3	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.38	-3.7645E-04	387.1	163.8	387.1	193.6	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
163.8	0.000	0.000	Strato2_3095_82743_L_0									

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+----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                     NewProject.BaseDesignSection_28.Nominal_63                           |
|                                 Exe Time :29 July 2019      18:00:06                                     |
+----------------------------------------------------------------------------------------------------------+
New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	1.536	5.8981E-03	1.900	7.678	68.40	40.03	PASSIVE	0.000	-3.600	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
20 D	4.607	5.5855E-03	5.700	23.03	72.20	42.06	PASSIVE	0.000	-3.800	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
21 D	7.678	5.2782E-03	9.500	38.39	76.00	44.08	PASSIVE	0.000	-4.000	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
22 D	10.75	4.9770E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
23 D	13.82	4.6825E-03	17.10	69.10	83.60	69.10	PASSIVE	0.000	-4.400	0.000	1.000	1.000	69.10	0.000	0.000	Strato1_2_8_L_0
24 D	14.08	4.3954E-03	20.90	70.38	87.40	70.38	V-C	5049.	-4.600	0.000	1.000	1.000	70.38	0.000	0.000	Strato1_2_8_L_0
25 D	14.20	4.1163E-03	24.70	70.99	91.20	70.99	V-C	5049.	-4.800	0.000	1.000	1.000	70.99	0.000	0.000	Strato1_2_8_L_0
26 D	14.33	3.8458E-03	28.50	71.64	95.00	71.64	V-C	5049.	-5.000	0.000	1.000	1.000	71.64	0.000	0.000	Strato1_2_8_L_0
27 D	14.47	3.5842E-03	32.30	72.34	98.80	72.34	V-C	5049.	-5.200	0.000	1.000	1.000	72.34	0.000	0.000	Strato1_2_8_L_0
28 D	14.62	3.3322E-03	36.10	73.09	102.6	73.09	V-C	5049.	-5.400	0.000	1.000	1.000	73.09	0.000	0.000	Strato1_2_8_L_0
29 D	14.78	3.0899E-03	39.90	73.89	106.4	73.89	V-C	5049.	-5.600	0.000	1.000	1.000	73.89	0.000	0.000	Strato1_2_8_L_0
30 D	14.95	2.8578E-03	43.70	74.73	110.2	74.73	V-C	5049.	-5.800	0.000	1.000	1.000	74.73	0.000	0.000	Strato1_2_8_L_0
31 D	15.13	2.6361E-03	47.50	75.63	114.0	75.63	V-C	5049.	-6.000	0.000	1.000	1.000	75.63	0.000	0.000	Strato1_2_8_L_0
32 D	15.32	2.4249E-03	51.30	76.58	117.8	76.58	V-C	5049.	-6.200	0.000	1.000	1.000	76.58	0.000	0.000	Strato1_2_8_L_0
33 D	15.52	2.2245E-03	55.10	77.59	121.6	77.59	V-C	5049.	-6.400	0.000	1.000	1.000	77.59	0.000	0.000	Strato1_2_8_L_0
34 D	15.73	2.0348E-03	58.90	78.65	125.4	78.65	V-C	5049.	-6.600	0.000	1.000	1.000	78.65	0.000	0.000	Strato1_2_8_L_0
35 D	15.95	1.8561E-03	62.70	79.76	129.2	79.76	V-C	5049.	-6.800	0.000	1.000	1.000	79.76	0.000	0.000	Strato1_2_8_L_0
36 D	16.19	1.6881E-03	66.50	80.93	133.0	80.93	V-C	5049.	-7.000	0.000	1.000	1.000	80.93	0.000	0.000	Strato1_2_8_L_0
37 D	16.43	1.5309E-03	70.30	82.15	136.8	82.15	V-C	5049.	-7.200	0.000	1.000	1.000				

82.15	0.000	0.000	Strato1_2_8_L_0									
38 D	16.68	1.3843E-03	74.10	83.42	140.6	83.42	V-C	5049.	-7.400	0.000	1.000	1.000
83.42	0.000	0.000	Strato1_2_8_L_0									
39 D	16.95	1.2481E-03	77.90	84.75	144.4	84.75	V-C	5049.	-7.600	0.000	1.000	1.000
84.75	0.000	0.000	Strato1_2_8_L_0									
40 D	17.22	1.1221E-03	81.70	86.12	148.2	86.12	V-C	5049.	-7.800	0.000	1.000	1.000
86.12	0.000	0.000	Strato1_2_8_L_0									
41 D	17.51	1.0060E-03	85.50	87.55	152.0	87.55	V-C	5049.	-8.000	0.000	1.000	1.000
87.55	0.000	0.000	Strato1_2_8_L_0									
42 D	17.80	8.9945E-04	89.30	89.02	155.8	89.02	V-C	5049.	-8.200	0.000	1.000	1.000
89.02	0.000	0.000	Strato1_2_8_L_0									
43 D	18.11	8.0218E-04	93.10	90.53	159.6	90.53	V-C	5049.	-8.400	0.000	1.000	1.000
90.53	0.000	0.000	Strato1_2_8_L_0									
44 D	18.42	7.1376E-04	96.90	92.09	163.4	92.09	V-C	5049.	-8.600	0.000	1.000	1.000
92.09	0.000	0.000	Strato1_2_8_L_0									
45 D	18.74	6.3382E-04	100.7	93.69	167.2	93.69	V-C	5049.	-8.800	0.000	1.000	1.000
93.69	0.000	0.000	Strato1_2_8_L_0									
46 D	19.07	5.6193E-04	104.5	95.33	171.0	95.33	V-C	5049.	-9.000	0.000	1.000	1.000
95.33	0.000	0.000	Strato1_2_8_L_0									
47 D	19.40	4.9768E-04	108.3	97.00	174.8	97.00	V-C	5049.	-9.200	0.000	1.000	1.000
97.00	0.000	0.000	Strato1_2_8_L_0									
48 D	19.74	4.4063E-04	112.1	98.71	178.6	98.71	V-C	5049.	-9.400	0.000	1.000	1.000
98.71	0.000	0.000	Strato1_2_8_L_0									
49 D	20.09	3.9035E-04	115.9	100.5	182.4	100.5	V-C	5049.	-9.600	0.000	1.000	1.000
100.5	0.000	0.000	Strato1_2_8_L_0									
50 D	20.37	3.4640E-04	119.7	101.9	186.2	102.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
101.9	0.000	0.000	Strato1_2_8_L_0									
51 D	20.67	3.0834E-04	123.5	103.3	190.0	104.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
103.3	0.000	0.000	Strato1_2_8_L_0									
52 D	20.98	2.7575E-04	127.3	104.9	193.8	106.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
104.9	0.000	0.000	Strato1_2_8_L_0									
53 D	21.30	2.4819E-04	131.1	106.5	197.6	108.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
106.5	0.000	0.000	Strato1_2_8_L_0									
54 D	21.65	2.2526E-04	134.9	108.2	201.4	110.2	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
55 D	22.00	2.0656E-04	138.7	110.0	205.2	112.2	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
110.0	0.000	0.000	Strato1_2_8_L_0									
56 D	22.37	1.9169E-04	142.5	111.8	209.0	114.1	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
111.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.74	1.8028E-04	146.3	113.7	212.8	116.1	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
113.7	0.000	0.000	Strato1_2_8_L_0									
58 D	23.13	1.7199E-04	150.1	115.7	216.6	118.0	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
115.7	0.000	0.000	Strato1_2_8_L_0									
59 D	23.53	1.6645E-04	153.9	117.6	220.4	119.9	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
117.6	0.000	0.000	Strato1_2_8_L_0									
60 D	23.92	1.6337E-04	157.7	119.6	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
119.6	0.000	0.000	Strato1_2_8_L_0									
61 D	24.31	1.6243E-04	161.5	121.6	228.0	123.8	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
121.6	0.000	0.000	Strato1_2_8_L_0									
62 D	24.71	1.6336E-04	165.3	123.5	231.8	125.8	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
123.5	0.000	0.000	Strato1_2_8_L_0									
63 D	25.11	1.6589E-04	169.1	125.5	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
125.5	0.000	0.000	Strato1_2_8_L_0									
64 D	25.51	1.6978E-04	172.9	127.6	239.4	129.7	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000
127.6	0.000	0.000	Strato1_2_8_L_0									
65 D	25.92	1.7482E-04	176.7	129.6	243.2	131.7	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000
129.6	0.000	0.000	Strato1_2_8_L_0									
66 D	26.33	1.8080E-04	180.5	131.7	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000
131.7	0.000	0.000	Strato1_2_8_L_0									
67 D	22.20	1.8755E-04	184.4	111.0	250.9	130.6	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
111.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	22.68	1.9491E-04	188.4	113.4	254.9	132.4	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
113.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.16	2.0274E-04	192.4	115.8	258.9	134.2	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
115.8	0.000	0.000	Strato2_3095_82743_L_0									
70 D	23.64	2.1092E-04	196.4	118.2	262.9	136.0	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
118.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.12	2.1935E-04	200.4	120.6	266.9	137.8	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.60	2.2792E-04	204.4	123.0	270.9	139.6	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
123.0	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.08	2.3657E-04	208.4	125.4	274.9	141.5	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
125.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.56	2.4522E-04	212.4	127.8	278.9	143.3	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
127.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.04	2.5384E-04	216.4	130.2	282.9	145.2	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
130.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.51	2.6237E-04	220.4	132.6	286.9	147.0	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
132.6	0.000	0.000	Strato2_3095_82743_L_0									
77 D	26.98	2.7079E-04	224.4	134.9	290.9	148.9	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
134.9	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.46	2.7907E-04	228.4	137.3	294.9	150.8	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
137.3	0.000	0.000	Strato2_3095_82743_L_0									
79 D	27.92	2.8722E-04	232.4	139.6	298.9	152.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
139.6	0.000	0.000	Strato2_3095_82743_L_0									

80 D	28.39	2.9521E-04	236.4	142.0	302.9	154.6	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
142.0	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.86	3.0306E-04	240.4	144.3	306.9	156.5	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
144.3	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.32	3.1077E-04	244.4	146.6	310.9	158.5	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
146.6	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.78	3.1835E-04	248.4	148.9	314.9	160.4	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
148.9	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.24	3.2582E-04	252.4	151.2	318.9	162.3	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.2	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.70	3.3320E-04	256.4	153.5	322.9	164.2	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.16	3.4050E-04	260.4	155.8	326.9	166.2	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.62	3.4775E-04	264.4	158.1	330.9	168.1	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
158.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.07	3.5495E-04	268.4	160.4	334.9	170.1	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.4	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.53	3.6213E-04	272.4	162.7	338.9	172.0	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.99	3.6929E-04	276.4	164.9	342.9	173.9	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.9	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.72	3.7645E-04	280.4	167.2	346.9	175.9	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
167.2	0.000	0.000	Strato2_3095_82743_L_0									

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 0.30400    -0.30400     9.94582E-11 6.08000E-02
    2 0.96154    -0.96154    -6.08000E-02 0.25311
    3  2.8715     -2.8715    -0.25311     0.82740
    4  4.8761     -4.8761    -0.82740      1.8026
    5  7.6275     -7.6275     -1.8026      3.3281
    6  10.469     -10.469     -3.3281      5.4219
    7  13.865     -13.865     -5.4219      8.1948
    8  17.367     -17.367     -8.1948      11.668
    9  21.292     -21.292     -11.668      15.927
   10  25.343     -25.343     -15.927      20.995
   11  29.810     -29.810     -20.995      26.957
   12  34.413     -34.413     -26.957      33.840
   13  39.398     -39.398     -33.840      41.719
   14  44.529     -44.529     -41.719      50.625
   15  50.017     -50.017     -50.625      60.629
   16  55.638     -55.638     -60.629      71.756
   17  61.599     -61.599     -71.756      84.076
   18  67.724     -67.724     -84.076      97.621
   19  72.639     -72.639     -97.621      112.15
   20  74.652     -74.652     -112.15      127.08
   21  73.910     -73.910     -127.08      141.86
   22  70.271     -70.271     -141.86      155.92
   23  63.868     -63.868     -155.92      168.69
   24  57.371     -57.371     -168.69      180.16
   25  51.054     -51.054     -180.16      190.37
   26  44.787     -44.787     -190.37      199.33
   27  38.676     -38.676     -199.33      207.07
   28  32.600     -32.600     -207.07      213.59
   29  26.655     -26.655     -213.59      218.92
   30  20.728     -20.728     -218.92      223.06
   31  14.895     -14.895     -223.06      226.04
   32  9.0624     -9.0624     -226.04      227.85
   33  3.3111     -3.3111     -227.85      228.52
   34 -2.4602      2.4602     -228.52      228.02
   35 -8.1747      8.1747     -228.02      226.39
   36 -13.929      13.929     -226.39      223.60
   37 -19.650      19.650     -223.60      219.67
   38 -25.024      25.024     -219.67      214.67
```

39	-29.606	29.606	-214.67	208.75
40	-33.565	33.565	-208.75	202.03
41	-36.824	36.824	-202.03	194.67
42	-39.561	39.561	-194.67	186.76
43	-41.700	41.700	-186.76	178.42
44	-43.408	43.408	-178.42	169.74
45	-44.610	44.610	-169.74	160.81
46	-45.479	45.479	-160.81	151.72
47	-45.925	45.925	-151.72	142.53
48	-46.096	46.096	-142.53	133.31
49	-45.920	45.920	-133.31	124.13
50	-45.461	45.461	-124.13	115.04
51	-44.652	44.652	-115.04	106.11
52	-43.632	43.632	-106.11	97.381
53	-42.339	42.339	-97.381	88.914
54	-40.913	40.913	-88.914	80.731
55	-39.278	39.278	-80.731	72.875
56	-37.555	37.555	-72.875	65.364
57	-35.674	35.674	-65.364	58.229
58	-33.750	33.750	-58.229	51.479
59	-31.711	31.711	-51.479	45.137
60	-29.659	29.659	-45.137	39.205
61	-27.514	27.514	-39.205	33.703
62	-25.365	25.365	-33.703	28.630
63	-23.138	23.138	-28.630	24.002
64	-20.926	20.926	-24.002	19.817
65	-18.654	18.654	-19.817	16.086
66	-16.412	16.412	-16.086	12.804
67	-14.613	14.613	-12.804	9.8811
68	-12.902	12.902	-9.8811	7.3007
69	-11.227	11.227	-7.3007	5.0553
70	-9.6604	9.6604	-5.0553	3.1232
71	-8.1408	8.1408	-3.1232	1.4951
72	-6.7448	6.7448	-1.4951	0.14620
73	-5.4104	5.4104	-0.14620	-0.93587
74	-4.2098	4.2098	0.93587	-1.7778
75	-3.0806	3.0806	1.7778	-2.3940
76	-2.0991	2.0991	2.3940	-2.8138
77	-1.1951	1.1951	2.8138	-3.0528
78	-0.43410	0.43410	3.0528	-3.1396
79	0.24591	-0.24591	3.1396	-3.0904
80	0.78203	-0.78203	3.0904	-2.9340
81	1.2355	-1.2355	2.9340	-2.6869
82	1.6053	-1.6053	2.6869	-2.3659
83	1.8321	-1.8321	2.3659	-1.9995
84	1.9682	-1.9682	1.9995	-1.6058
85	1.9627	-1.9627	1.6058	-1.2133
86	1.8734	-1.8734	1.2133	-0.83858
87	1.6439	-1.6439	0.83858	-0.50981
88	1.3304	-1.3304	0.50981	-0.24373
89	0.87776	-0.87776	0.24373	-6.81741E-02
90	0.34087	-0.34087	6.81741E-02	-1.33105E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      18:00:06                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      18:00:06                                             |
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+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.1852E+05 REMNOR=0.1013E-18 RATIO =0.2535     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.2535     RATIOR= 0.000
           MAX UN=0.1584E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-136.1     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM= 23.06     REMNOR=0.9131E-19 RATIO =0.8944E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.8944E-02 RATIOR= 0.000
           MAX UN=0.6030E-09 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-2.455     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.6034     REMNOR=0.1334E-18 RATIO =0.1447E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.1447E-02 RATIOR= 0.000
           MAX UN=0.4526E-01 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.6232     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.3987E-16 REMNOR=0.1012E-18 RATIO =0.1176E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.1176E-10 RATIOR= 0.000
           MAX UN=0.2578E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.2532E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.0320382E-02  -1.5609441E-03
    2   1.0008196E-02  -1.5609061E-03
    3   9.6960302E-03  -1.5607153E-03
    4   9.3839334E-03  -1.5601746E-03
    5   9.0719999E-03  -1.5590405E-03
    6   8.7603748E-03  -1.5570419E-03
    7   8.4492608E-03  -1.5538794E-03
    8   8.1389220E-03  -1.5492328E-03
    9   7.8296894E-03  -1.5427602E-03
   10   7.5219636E-03  -1.5341029E-03
   11   7.2162190E-03  -1.5228846E-03
   12   6.9130067E-03  -1.5087117E-03
   13   6.6129586E-03  -1.4911734E-03
   14   6.3167902E-03  -1.4698425E-03
   15   6.0253041E-03  -1.4442755E-03
   16   5.7393930E-03  -1.4140137E-03
   17   5.4598277E-03  -1.3818147E-03
   18   5.1866133E-03  -1.3504224E-03
   19   4.9196384E-03  -1.3193359E-03
   20   4.6588922E-03  -1.2880514E-03
   21   4.4044618E-03  -1.2561066E-03
   22   4.1565166E-03  -1.2231553E-03
   23   3.9152797E-03  -1.1890041E-03
   24   3.6809988E-03  -1.1536128E-03
   25   3.4539154E-03  -1.1170272E-03
   26   3.2342634E-03  -1.0793099E-03
   27   3.0222619E-03  -1.0405361E-03
   28   2.8181135E-03  -1.0007936E-03
   29   2.6220033E-03  -9.6018310E-04
   30   2.4340916E-03  -9.1881709E-04
   31   2.2545184E-03  -8.7682113E-04
   32   2.0833960E-03  -8.3433304E-04
   33   1.9208080E-03  -7.9150283E-04
   34   1.7668069E-03  -7.4849225E-04
   35   1.6214123E-03  -7.0547469E-04
   36   1.4846059E-03  -6.6263415E-04
   37   1.3563338E-03  -6.2016619E-04
   38   1.2365009E-03  -5.7827688E-04
   39   1.1249707E-03  -5.3717305E-04
   40   1.0215672E-03  -4.9704369E-04
   41   9.2607789E-04  -4.5805189E-04
   42   8.3826129E-04  -4.2033755E-04
   43   7.5784987E-04  -3.8401826E-04
   44   6.8455451E-04  -3.4919124E-04
   45   6.1806898E-04  -3.1593505E-04
   46   5.5807062E-04  -2.8430981E-04
   47   5.0423163E-04  -2.5436299E-04
   48   4.5621149E-04  -2.2612513E-04
   49   4.1366668E-04  -1.9961387E-04
   50   3.7625075E-04  -1.7483378E-04
   51   3.4361821E-04  -1.5177814E-04
   52   3.1542565E-04  -1.3042818E-04
   53   2.9133508E-04  -1.1075386E-04
   54   2.7101509E-04  -9.2714681E-05
   55   2.5414346E-04  -7.6261708E-05
   56   2.4040841E-04  -6.1338665E-05
   57   2.2951019E-04  -4.7882720E-05
   58   2.2116208E-04  -3.5825512E-05
   59   2.1509160E-04  -2.5093991E-05
   60   2.1104123E-04  -1.5611243E-05
   61   2.0876920E-04  -7.2970432E-06
   62   2.0805005E-04  -6.8252107E-08
   63   2.0867527E-04   6.1610826E-06
   64   2.1045376E-04   1.1479487E-05
   65   2.1321239E-04   1.5977696E-05
   66   2.1679633E-04   1.9748274E-05
   67   2.2106946E-04   2.2885324E-05
```

68	2.2591319E-04	2.5463322E-05
69	2.3122113E-04	2.7536419E-05
70	2.3689766E-04	2.9158110E-05
71	2.4285777E-04	3.0380739E-05
72	2.4902674E-04	3.1255202E-05
73	2.5533959E-04	3.1830522E-05
74	2.6174182E-04	3.2153550E-05
75	2.6818714E-04	3.2268477E-05
76	2.7463809E-04	3.2216655E-05
77	2.8106522E-04	3.2036157E-05
78	2.8744628E-04	3.1761552E-05
79	2.9376564E-04	3.1423935E-05
80	3.0001349E-04	3.1050769E-05
81	3.0618516E-04	3.0665793E-05
82	3.1228034E-04	3.0288915E-05
83	3.1830243E-04	2.9937584E-05
84	3.2425798E-04	2.9625304E-05
85	3.3015607E-04	2.9361410E-05
86	3.3600641E-04	2.9151114E-05
87	3.4182017E-04	2.8995560E-05
88	3.4760809E-04	2.8891891E-05
89	3.5337992E-04	2.8833212E-05
90	3.5914365E-04	2.8808607E-05
91	3.6490464E-04	2.8803125E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:00:06

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.600	-1.0320E-02	10.00	16.00	10.00	16.00	V-C	7276.	0.000	0.000	1.000	1.000	16.00	0.000	0.000	Strato1_2_8_L_0
2 D	3.236	-1.0008E-02	10.81	16.18	10.81	16.18	V-C	7276.	-0.2000	0.000	1.000	1.000	16.18	0.000	0.000	Strato1_2_8_L_0
3 D	5.071	-9.6960E-03	31.41	25.36	31.41	25.36	V-C	7276.	-0.4000	0.000	1.000	1.000	25.36	0.000	0.000	Strato1_2_8_L_0
4 D	5.175	-9.3839E-03	32.97	25.88	32.97	25.88	V-C	7276.	-0.6000	0.000	1.000	1.000	25.88	0.000	0.000	Strato1_2_8_L_0
5 D	6.254	-9.0720E-03	45.25	31.27	45.25	31.27	V-C	7276.	-0.8000	0.000	1.000	1.000	31.27	0.000	0.000	Strato1_2_8_L_0
6 D	6.350	-8.7604E-03	46.73	31.75	46.73	31.75	V-C	7276.	-1.000	0.000	1.000	1.000	31.75	0.000	0.000	Strato1_2_8_L_0
7 D	7.141	-8.4493E-03	55.86	35.71	55.86	35.71	V-C	7276.	-1.200	0.000	1.000	1.000	35.71	0.000	0.000	Strato1_2_8_L_0
8 D	7.260	-8.1389E-03	57.60	36.30	57.60	36.30	V-C	7276.	-1.400	0.000	1.000	1.000	36.30	0.000	0.000	Strato1_2_8_L_0
9 D	7.852	-7.8297E-03	64.56	39.26	64.56	39.26	V-C	7276.	-1.600	0.000	1.000	1.000	39.26	0.000	0.000	Strato1_2_8_L_0
10 D	7.998	-7.5220E-03	66.63	39.99	66.63	39.99	V-C	7276.	-1.800	0.000	1.000	1.000	39.99	0.000	0.000	Strato1_2_8_L_0
11 D	8.576	-7.2162E-03	73.46	42.88	73.46	42.88	V-C	7276.	-2.000	0.000	1.000	1.000	42.88	0.000	0.000	Strato1_2_8_L_0
12 D	8.735	-6.9130E-03	75.72	43.68	75.72	43.68	V-C	7276.	-2.200	0.000	1.000	1.000	43.68	0.000	0.000	Strato1_2_8_L_0
13 D	9.256	-6.6130E-03	81.98	46.28	81.98	46.28	V-C	7276.	-2.400	0.000	1.000	1.000	46.28	0.000	0.000	Strato1_2_8_L_0
14 D	9.424	-6.3168E-03	84.40	47.12	84.40	47.12	V-C	7276.	-2.600	0.000	1.000	1.000	47.12	0.000	0.000	Strato1_2_8_L_0
15 D	9.901	-6.0253E-03	90.27	49.51	90.27	49.51	V-C	7276.	-2.800	0.000	1.000	1.000	49.51	0.000	0.000	Strato1_2_8_L_0
16 D	10.04	-5.7394E-03	92.44	50.19	92.44	50.19	V-C	7276.	-3.000	0.000	1.000	1.000	50.19	0.000	0.000	Strato1_2_8_L_0
17 D	10.48	-5.4598E-03	98.05	52.41	98.05	52.41	V-C	7276.	-3.200	0.000	1.000	1.000	52.41	0.000	0.000	Strato1_2_8_L_0

18 D	10.61	-5.1866E-03	100.7	53.07	100.7	53.39	UL-RL	2.1827E+04	-3.400	0.000	1.000	1.000
53.07	0.000	0.000	Strato1_2_8_L_0									
19 D	10.72	-4.9196E-03	106.1	53.61	106.1	56.24	UL-RL	2.1827E+04	-3.600	0.000	1.000	1.000
53.61	0.000	0.000	Strato1_2_8_L_0									
20 D	10.66	-4.6589E-03	108.9	53.32	108.9	57.70	UL-RL	2.1827E+04	-3.800	0.000	1.000	1.000
53.32	0.000	0.000	Strato1_2_8_L_0									
21 D	10.75	-4.4045E-03	114.1	53.75	114.1	60.46	UL-RL	2.1827E+04	-4.000	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0									
22 D	10.69	-4.1565E-03	116.9	53.46	116.9	61.97	UL-RL	2.1827E+04	-4.200	0.000	1.000	1.000
53.46	0.000	0.000	Strato1_2_8_L_0									
23 D	10.77	-3.9153E-03	122.0	53.83	122.0	64.66	UL-RL	2.1827E+04	-4.400	0.000	1.000	1.000
53.83	0.000	0.000	Strato1_2_8_L_0									
24 D	10.70	-3.6810E-03	124.7	53.49	124.7	66.07	UL-RL	2.1827E+04	-4.600	0.000	1.000	1.000
53.49	0.000	0.000	Strato1_2_8_L_0									
25 D	10.77	-3.4539E-03	129.6	53.86	129.6	68.70	UL-RL	2.1827E+04	-4.800	0.000	1.000	1.000
53.86	0.000	0.000	Strato1_2_8_L_0									
26 D	10.73	-3.2343E-03	132.6	53.66	132.6	70.28	UL-RL	2.1827E+04	-5.000	0.000	1.000	1.000
53.66	0.000	0.000	Strato1_2_8_L_0									
27 D	10.81	-3.0223E-03	137.5	54.05	137.5	72.85	UL-RL	2.1827E+04	-5.200	0.000	1.000	1.000
54.05	0.000	0.000	Strato1_2_8_L_0									
28 D	10.79	-2.8181E-03	140.5	53.93	140.5	74.46	UL-RL	2.1827E+04	-5.400	0.000	1.000	1.000
53.93	0.000	0.000	Strato1_2_8_L_0									
29 D	10.88	-2.6220E-03	145.3	54.38	145.3	76.99	UL-RL	2.1827E+04	-5.600	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
30 D	10.87	-2.4341E-03	148.3	54.35	148.3	78.62	UL-RL	2.1827E+04	-5.800	0.000	1.000	1.000
54.35	0.000	0.000	Strato1_2_8_L_0									
31 D	10.96	-2.2545E-03	152.9	54.80	152.9	81.02	UL-RL	2.1827E+04	-6.000	0.000	1.000	1.000
54.80	0.000	0.000	Strato1_2_8_L_0									
32 D	10.97	-2.0834E-03	156.0	54.87	156.0	82.67	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000
54.87	0.000	0.000	Strato1_2_8_L_0									
33 D	11.09	-1.9208E-03	160.6	55.46	160.6	85.14	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
55.46	0.000	0.000	Strato1_2_8_L_0									
34 D	11.13	-1.7668E-03	163.8	55.64	163.8	86.81	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
55.64	0.000	0.000	Strato1_2_8_L_0									
35 D	11.26	-1.6214E-03	168.4	56.31	168.4	89.25	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
56.31	0.000	0.000	Strato1_2_8_L_0									
36 D	11.32	-1.4846E-03	171.6	56.60	171.6	90.94	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
56.60	0.000	0.000	Strato1_2_8_L_0									
37 D	11.47	-1.3563E-03	176.1	57.35	176.1	93.35	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
57.35	0.000	0.000	Strato1_2_8_L_0									
38 D	11.96	-1.2365E-03	179.3	59.78	179.3	95.05	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
59.78	0.000	0.000	Strato1_2_8_L_0									
39 D	12.91	-1.1250E-03	183.7	64.53	183.7	97.36	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
64.53	0.000	0.000	Strato1_2_8_L_0									
40 D	13.70	-1.0216E-03	186.9	68.52	186.9	99.08	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
68.52	0.000	0.000	Strato1_2_8_L_0									
41 D	14.60	-9.2608E-04	191.4	72.99	191.4	101.5	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
72.99	0.000	0.000	Strato1_2_8_L_0									
42 D	15.33	-8.3826E-04	194.7	76.67	194.7	103.2	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
76.67	0.000	0.000	Strato1_2_8_L_0									
43 D	16.16	-7.5785E-04	199.1	80.81	199.1	105.5	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
80.81	0.000	0.000	Strato1_2_8_L_0									
44 D	16.84	-6.8455E-04	202.4	84.19	202.4	107.3	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
84.19	0.000	0.000	Strato1_2_8_L_0									
45 D	17.60	-6.1807E-04	206.8	88.02	206.8	109.6	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
88.02	0.000	0.000	Strato1_2_8_L_0									
46 D	18.21	-5.5807E-04	210.0	91.07	210.0	111.3	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
91.07	0.000	0.000	Strato1_2_8_L_0									
47 D	18.93	-5.0423E-04	214.4	94.63	214.4	113.6	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.63	0.000	0.000	Strato1_2_8_L_0									
48 D	19.50	-4.5621E-04	217.7	97.52	217.7	115.4	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.52	0.000	0.000	Strato1_2_8_L_0									
49 D	20.17	-4.1367E-04	222.1	100.8	222.1	117.7	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.8	0.000	0.000	Strato1_2_8_L_0									
50 D	20.70	-3.7625E-04	225.4	103.5	225.4	119.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
103.5	0.000	0.000	Strato1_2_8_L_0									
51 D	21.32	-3.4362E-04	229.8	106.6	229.8	121.8	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
106.6	0.000	0.000	Strato1_2_8_L_0									
52 D	21.82	-3.1543E-04	233.1	109.1	233.1	123.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
109.1	0.000	0.000	Strato1_2_8_L_0									
53 D	22.41	-2.9134E-04	237.4	112.1	237.4	125.8	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
112.1	0.000	0.000	Strato1_2_8_L_0									
54 D	22.87	-2.7102E-04	240.7	114.4	240.7	127.6	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
114.4	0.000	0.000	Strato1_2_8_L_0									
55 D	23.43	-2.5414E-04	245.0	117.1	245.0	129.8	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
117.1	0.000	0.000	Strato1_2_8_L_0									
56 D	23.88	-2.4041E-04	248.4	119.4	248.4	131.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
119.4	0.000	0.000	Strato1_2_8_L_0									
57 D	24.41	-2.2951E-04	252.7	122.0	252.7	133.9	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
122.0	0.000	0.000	Strato1_2_8_L_0									
58 D	24.84	-2.2116E-04	256.1	124.2	256.1	135.7	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
124.2	0.000	0.000	Strato1_2_8_L_0									
59 D	25.35	-2.1509E-04	260.3	126.8	260.3	138.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
126.8	0.000	0.000	Strato1_2_8_L_0									
60 D	25.77	-2.1104E-04	263.7	128.8	263.7	139.8	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000

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128.8      0.000      0.000     Strato1_2_8_L_0
 61 D   26.26    -2.0877E-04  267.9       131.3       267.9       142.0            UL-RL  2.1827E+04  -12.00       0.000       1.000       1.000
131.3      0.000      0.000     Strato1_2_8_L_0
 62 D   26.66    -2.0805E-04  271.3       133.3       271.3       143.8            UL-RL  2.1827E+04  -12.20       0.000       1.000       1.000
133.3      0.000      0.000     Strato1_2_8_L_0
 63 D   27.15    -2.0868E-04  275.5       135.7       275.5       146.0            UL-RL  2.1827E+04  -12.40       0.000       1.000       1.000
135.7      0.000      0.000     Strato1_2_8_L_0
 64 D   27.55    -2.1045E-04  279.0       137.7       279.0       147.9            UL-RL  2.1827E+04  -12.60       0.000       1.000       1.000
137.7      0.000      0.000     Strato1_2_8_L_0
 65 D   28.02    -2.1321E-04  283.2       140.1       283.2       150.1            UL-RL  2.1827E+04  -12.80       0.000       1.000       1.000
140.1      0.000      0.000     Strato1_2_8_L_0
 66 D   28.42    -2.1680E-04  286.7       142.1       286.7       151.9            UL-RL  2.1827E+04  -13.00       0.000       1.000       1.000
142.1      0.000      0.000     Strato1_2_8_L_0
 67 D   23.59    -2.2107E-04  291.0       117.9       291.0       145.5            UL-RL  6.1746E+04  -13.20       0.000       1.000       1.000
117.9      0.000      0.000     Strato2_3095_82743_L_0
 68 D   24.01    -2.2591E-04  294.6       120.0       294.6       147.3            UL-RL  6.1746E+04  -13.40       0.000       1.000       1.000
120.0      0.000      0.000     Strato2_3095_82743_L_0
 69 D   24.48    -2.3122E-04  298.9       122.4       298.9       149.5            UL-RL  6.1746E+04  -13.60       0.000       1.000       1.000
122.4      0.000      0.000     Strato2_3095_82743_L_0
 70 D   24.89    -2.3690E-04  302.6       124.4       302.6       151.3            UL-RL  6.1746E+04  -13.80       0.000       1.000       1.000
124.4      0.000      0.000     Strato2_3095_82743_L_0
 71 D   25.35    -2.4286E-04  307.0       126.8       307.0       153.5            UL-RL  6.1746E+04  -14.00       0.000       1.000       1.000
126.8      0.000      0.000     Strato2_3095_82743_L_0
 72 D   25.74    -2.4903E-04  310.7       128.7       310.7       155.3            UL-RL  6.1746E+04  -14.20       0.000       1.000       1.000
128.7      0.000      0.000     Strato2_3095_82743_L_0
 73 D   26.18    -2.5534E-04  315.0       130.9       315.0       157.5            UL-RL  6.1746E+04  -14.40       0.000       1.000       1.000
130.9      0.000      0.000     Strato2_3095_82743_L_0
 74 D   26.56    -2.6174E-04  318.7       132.8       318.7       159.4            UL-RL  6.1746E+04  -14.60       0.000       1.000       1.000
132.8      0.000      0.000     Strato2_3095_82743_L_0
 75 D   26.99    -2.6819E-04  323.1       134.9       323.1       161.5            UL-RL  6.1746E+04  -14.80       0.000       1.000       1.000
134.9      0.000      0.000     Strato2_3095_82743_L_0
 76 D   27.34    -2.7464E-04  326.7       136.7       326.7       163.3            UL-RL  6.1746E+04  -15.00       0.000       1.000       1.000
136.7      0.000      0.000     Strato2_3095_82743_L_0
 77 D   27.76    -2.8107E-04  331.0       138.8       331.0       165.5            UL-RL  6.1746E+04  -15.20       0.000       1.000       1.000
138.8      0.000      0.000     Strato2_3095_82743_L_0
 78 D   28.11    -2.8745E-04  334.7       140.6       334.7       167.4            UL-RL  6.1746E+04  -15.40       0.000       1.000       1.000
140.6      0.000      0.000     Strato2_3095_82743_L_0
 79 D   28.52    -2.9377E-04  339.1       142.6       339.1       169.5            UL-RL  6.1746E+04  -15.60       0.000       1.000       1.000
142.6      0.000      0.000     Strato2_3095_82743_L_0
 80 D   28.87    -3.0001E-04  342.8       144.3       342.8       171.4            UL-RL  6.1746E+04  -15.80       0.000       1.000       1.000
144.3      0.000      0.000     Strato2_3095_82743_L_0
 81 D   29.27    -3.0619E-04  347.1       146.4       347.1       173.6            UL-RL  6.1746E+04  -16.00       0.000       1.000       1.000
146.4      0.000      0.000     Strato2_3095_82743_L_0
 82 D   29.67    -3.1228E-04  351.4       148.4       351.4       175.7            UL-RL  6.1746E+04  -16.20       0.000       1.000       1.000
148.4      0.000      0.000     Strato2_3095_82743_L_0
 83 D   30.01    -3.1830E-04  355.1       150.0       355.1       177.6            UL-RL  6.1746E+04  -16.40       0.000       1.000       1.000
150.0      0.000      0.000     Strato2_3095_82743_L_0
 84 D   30.40    -3.2426E-04  359.4       152.0       359.4       179.7            UL-RL  6.1746E+04  -16.60       0.000       1.000       1.000
152.0      0.000      0.000     Strato2_3095_82743_L_0
 85 D   30.73    -3.3016E-04  363.1       153.7       363.1       181.6            UL-RL  6.1746E+04  -16.80       0.000       1.000       1.000
153.7      0.000      0.000     Strato2_3095_82743_L_0
 86 D   31.13    -3.3601E-04  367.4       155.6       367.4       183.7            UL-RL  6.1746E+04  -17.00       0.000       1.000       1.000
155.6      0.000      0.000     Strato2_3095_82743_L_0
 87 D   31.46    -3.4182E-04  371.1       157.3       371.1       185.6            UL-RL  6.1746E+04  -17.20       0.000       1.000       1.000
157.3      0.000      0.000     Strato2_3095_82743_L_0
 88 D   31.85    -3.4761E-04  375.4       159.3       375.4       187.7            UL-RL  6.1746E+04  -17.40       0.000       1.000       1.000
159.3      0.000      0.000     Strato2_3095_82743_L_0
 89 D   32.19    -3.5338E-04  379.2       160.9       379.2       189.6            UL-RL  6.1746E+04  -17.60       0.000       1.000       1.000
160.9      0.000      0.000     Strato2_3095_82743_L_0
 90 D   32.58    -3.5914E-04  383.5       162.9       383.5       191.7            UL-RL  6.1746E+04  -17.80       0.000       1.000       1.000
162.9      0.000      0.000     Strato2_3095_82743_L_0
 91 D   16.45    -3.6490E-04  387.1       164.5       387.1       193.6            UL-RL  6.1746E+04  -18.00       0.000       1.000       1.000
164.5      0.000      0.000     Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                      |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                   Exe Time :29 July 2019      18:00:06                                               |
+----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                                  :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19 D	0.1155	4.9196E-03	1.900	0.5776	68.40	40.03	ACTIVE	0.000	-3.600	0.000	1.000	1.000
0.5776	0.000	0.000	Strato1_2_8_L_0									
20 D	1.800	4.6589E-03	5.700	8.998	72.20	42.06	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000
8.998	0.000	0.000	Strato1_2_8_L_0									
21 D	5.031	4.4045E-03	9.500	25.15	76.00	44.08	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000
25.15	0.000	0.000	Strato1_2_8_L_0									
22 D	8.263	4.1565E-03	13.30	41.32	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000
41.32	0.000	0.000	Strato1_2_8_L_0									
23 D	11.50	3.9153E-03	17.10	57.48	83.60	69.10	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000
57.48	0.000	0.000	Strato1_2_8_L_0									
24 D	11.91	3.6810E-03	20.90	59.56	87.40	70.38	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000
59.56	0.000	0.000	Strato1_2_8_L_0									
25 D	12.19	3.4539E-03	24.70	60.96	91.20	70.99	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000
60.96	0.000	0.000	Strato1_2_8_L_0									
26 D	12.48	3.2343E-03	28.50	62.38	95.00	71.64	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000
62.38	0.000	0.000	Strato1_2_8_L_0									
27 D	12.77	3.0223E-03	32.30	63.83	98.80	72.34	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000
63.83	0.000	0.000	Strato1_2_8_L_0									
28 D	13.06	2.8181E-03	36.10	65.30	102.6	73.09	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000
65.30	0.000	0.000	Strato1_2_8_L_0									
29 D	13.36	2.6220E-03	39.90	66.80	106.4	73.89	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000
66.80	0.000	0.000	Strato1_2_8_L_0									
30 D	13.66	2.4341E-03	43.70	68.32	110.2	74.73	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000
68.32	0.000	0.000	Strato1_2_8_L_0									
31 D	13.97	2.2545E-03	47.50	69.85	114.0	75.63	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000
69.85	0.000	0.000	Strato1_2_8_L_0									
32 D	14.28	2.0834E-03	51.30	71.41	117.8	76.58	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000
71.41	0.000	0.000	Strato1_2_8_L_0									
33 D	14.60	1.9208E-03	55.10	72.99	121.6	77.59	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000
72.99	0.000	0.000	Strato1_2_8_L_0									
34 D	14.92	1.7668E-03	58.90	74.59	125.4	78.65	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000
74.59	0.000	0.000	Strato1_2_8_L_0									
35 D	15.24	1.6214E-03	62.70	76.21	129.2	79.76	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000
76.21	0.000	0.000	Strato1_2_8_L_0									
36 D	15.57	1.4846E-03	66.50	77.85	133.0	80.93	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000
77.85	0.000	0.000	Strato1_2_8_L_0									
37 D	15.90	1.3563E-03	70.30	79.51	136.8	82.15	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000
79.51	0.000	0.000	Strato1_2_8_L_0									
38 D	16.24	1.2365E-03	74.10	81.19	140.6	83.42	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000
81.19	0.000	0.000	Strato1_2_8_L_0									
39 D	16.58	1.1250E-03	77.90	82.88	144.4	84.75	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000
82.88	0.000	0.000	Strato1_2_8_L_0									
40 D	16.92	1.0216E-03	81.70	84.60	148.2	86.12	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000
84.60	0.000	0.000	Strato1_2_8_L_0									

41 D	17.27	9.2608E-04	85.50	86.34	152.0	87.55	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000
86.34	0.000	0.000	Strato1_2_8_L_0									
42 D	17.62	8.3826E-04	89.30	88.09	155.8	89.02	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000
88.09	0.000	0.000	Strato1_2_8_L_0									
43 D	17.97	7.5785E-04	93.10	89.86	159.6	90.53	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000
89.86	0.000	0.000	Strato1_2_8_L_0									
44 D	18.33	6.8455E-04	96.90	91.65	163.4	92.09	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000
91.65	0.000	0.000	Strato1_2_8_L_0									
45 D	18.69	6.1807E-04	100.7	93.45	167.2	93.69	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000
93.45	0.000	0.000	Strato1_2_8_L_0									
46 D	19.05	5.5807E-04	104.5	95.27	171.0	95.33	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000
95.27	0.000	0.000	Strato1_2_8_L_0									
47 D	19.41	5.0423E-04	108.3	97.04	174.8	97.04	V-C	5049.	-9.200	0.000	1.000	1.000
97.04	0.000	0.000	Strato1_2_8_L_0									
48 D	19.76	4.5621E-04	112.1	98.79	178.6	98.79	V-C	5049.	-9.400	0.000	1.000	1.000
98.79	0.000	0.000	Strato1_2_8_L_0									
49 D	20.11	4.1367E-04	115.9	100.6	182.4	100.6	V-C	5049.	-9.600	0.000	1.000	1.000
100.6	0.000	0.000	Strato1_2_8_L_0									
50 D	20.46	3.7625E-04	119.7	102.3	186.2	102.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
102.3	0.000	0.000	Strato1_2_8_L_0									
51 D	20.77	3.4362E-04	123.5	103.9	190.0	104.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
103.9	0.000	0.000	Strato1_2_8_L_0									
52 D	21.10	3.1543E-04	127.3	105.5	193.8	106.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
105.5	0.000	0.000	Strato1_2_8_L_0									
53 D	21.44	2.9134E-04	131.1	107.2	197.6	108.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
107.2	0.000	0.000	Strato1_2_8_L_0									
54 D	21.78	2.7102E-04	134.9	108.9	201.4	110.2	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
108.9	0.000	0.000	Strato1_2_8_L_0									
55 D	22.14	2.5414E-04	138.7	110.7	205.2	112.2	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
110.7	0.000	0.000	Strato1_2_8_L_0									
56 D	22.51	2.4041E-04	142.5	112.6	209.0	114.1	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
112.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.89	2.2951E-04	146.3	114.5	212.8	116.1	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
114.5	0.000	0.000	Strato1_2_8_L_0									
58 D	23.28	2.2116E-04	150.1	116.4	216.6	118.0	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
116.4	0.000	0.000	Strato1_2_8_L_0									
59 D	23.67	2.1509E-04	153.9	118.4	220.4	119.9	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
60 D	24.07	2.1104E-04	157.7	120.3	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
120.3	0.000	0.000	Strato1_2_8_L_0									
61 D	24.45	2.0877E-04	161.5	122.3	228.0	123.8	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
122.3	0.000	0.000	Strato1_2_8_L_0									
62 D	24.84	2.0805E-04	165.3	124.2	231.8	125.8	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
124.2	0.000	0.000	Strato1_2_8_L_0									
63 D	25.24	2.0868E-04	169.1	126.2	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
126.2	0.000	0.000	Strato1_2_8_L_0									
64 D	25.64	2.1045E-04	172.9	128.2	239.4	129.7	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000
128.2	0.000	0.000	Strato1_2_8_L_0									
65 D	26.04	2.1321E-04	176.7	130.2	243.2	131.7	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000
130.2	0.000	0.000	Strato1_2_8_L_0									
66 D	26.44	2.1680E-04	180.5	132.2	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000
132.2	0.000	0.000	Strato1_2_8_L_0									
67 D	22.43	2.2107E-04	184.4	112.1	250.9	130.6	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
68 D	22.89	2.2591E-04	188.4	114.4	254.9	132.4	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
114.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.35	2.3122E-04	192.4	116.8	258.9	134.2	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato2_3095_82743_L_0									
70 D	23.81	2.3690E-04	196.4	119.1	262.9	136.0	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.28	2.4286E-04	200.4	121.4	266.9	137.8	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
121.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.74	2.4903E-04	204.4	123.7	270.9	139.6	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.21	2.5534E-04	208.4	126.0	274.9	141.5	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
126.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.67	2.6174E-04	212.4	128.4	278.9	143.3	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
128.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.13	2.6819E-04	216.4	130.7	282.9	145.2	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
130.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.59	2.7464E-04	220.4	133.0	286.9	147.0	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
133.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.05	2.8107E-04	224.4	135.3	290.9	148.9	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
135.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.51	2.8745E-04	228.4	137.6	294.9	150.8	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	27.97	2.9377E-04	232.4	139.8	298.9	152.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
139.8	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.42	3.0001E-04	236.4	142.1	302.9	154.6	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
142.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.88	3.0619E-04	240.4	144.4	306.9	156.5	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.33	3.1228E-04	244.4	146.6	310.9	158.5	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
146.6	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.78	3.1830E-04	248.4	148.9	314.9	160.4	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000

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148.9       0.000       0.000     Strato2_3095_82743_L_0
  84 D   30.23      3.2426E-04   252.4       151.2       318.9       162.3          UL-RL  3.3465E+04  -16.60       0.000       1.000       1.000
151.2       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.68      3.3016E-04   256.4       153.4       322.9       164.2          UL-RL  3.3465E+04  -16.80       0.000       1.000       1.000
153.4       0.000       0.000     Strato2_3095_82743_L_0
  86 D   31.13      3.3601E-04   260.4       155.6       326.9       166.2          UL-RL  3.3465E+04  -17.00       0.000       1.000       1.000
155.6       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.58      3.4182E-04   264.4       157.9       330.9       168.1          UL-RL  3.3465E+04  -17.20       0.000       1.000       1.000
157.9       0.000       0.000     Strato2_3095_82743_L_0
  88 D   32.02      3.4761E-04   268.4       160.1       334.9       170.1          UL-RL  3.3465E+04  -17.40       0.000       1.000       1.000
160.1       0.000       0.000     Strato2_3095_82743_L_0
  89 D   32.47      3.5338E-04   272.4       162.4       338.9       172.0          UL-RL  3.3465E+04  -17.60       0.000       1.000       1.000
162.4       0.000       0.000     Strato2_3095_82743_L_0
  90 D   32.92      3.5914E-04   276.4       164.6       342.9       173.9          UL-RL  3.3465E+04  -17.80       0.000       1.000       1.000
164.6       0.000       0.000     Strato2_3095_82743_L_0
  91 D   16.68      3.6490E-04   280.4       166.8       346.9       175.9          UL-RL  3.3465E+04  -18.00       0.000       1.000       1.000
166.8       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
 |                                   Exe Time :29 July 2019      18:00:06                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     4.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  1.5999     -1.5999    -2.41389E-11 0.31998
     2  4.8360     -4.8360    -0.31998      1.2872
     3  9.9074     -9.9074     -1.2872      3.2687
     4  15.083     -15.083     -3.2687      6.2852
     5  21.337     -21.337     -6.2852      10.553
     6  27.687     -27.687     -10.553      16.090
     7  34.828     -34.828     -16.090      23.055
     8  42.087     -42.087     -23.055      31.473
     9  49.939     -49.939     -31.473      41.461
    10  57.938     -57.938     -41.461      53.048
    11  66.514     -66.514     -53.048      66.351
    12  75.249     -75.249     -66.351      81.401
    13  84.505     -84.505     -81.401      98.302
    14  93.928     -93.928     -98.302      117.09
    15  103.83     -103.83     -117.09      137.85
    16 -22.231      22.231     -137.85      133.41
    17 -11.748      11.748     -133.41      131.06
    18 -1.1334      1.1334     -131.06      130.83
    19  9.4737     -9.4737     -130.83      132.73
    20  18.339     -18.339     -132.73      136.39
    21  24.058     -24.058     -136.39      141.21
    22  26.486     -26.486     -141.21      146.50
    23  25.757     -25.757     -146.50      151.65
    24  24.543     -24.543     -151.65      156.56
    25  23.124     -23.124     -156.56      161.19
    26  21.380     -21.380     -161.19      165.46
    27  19.424     -19.424     -165.46      169.35
    28  17.149     -17.149     -169.35      172.78
    29  14.665     -14.665     -172.78      175.71
    30  11.870     -11.870     -175.71      178.08
    31  8.8594     -8.8594     -178.08      179.86
    32  5.5518     -5.5518     -179.86      180.97
    33  2.0460     -2.0460     -180.97      181.38
    34 -1.7432      1.7432     -181.38      181.03
    35 -5.7224      5.7224     -181.03      179.88
    36 -9.9717      9.9717     -179.88      177.89
    37 -14.403      14.403     -177.89      175.01
    38 -18.684      18.684     -175.01      171.27
    39 -22.355      22.355     -171.27      166.80
    40 -25.571      25.571     -166.80      161.69
    41 -28.239      28.239     -161.69      156.04
    42 -30.524      30.524     -156.04      149.93
    43 -32.335      32.335     -149.93      143.47
    44 -33.826      33.826     -143.47      136.70
    45 -34.913      34.913     -136.70      129.72
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   46 -35.752      35.752     -129.72      122.57
   47 -36.234      36.234     -122.57      115.32
   48 -36.489      36.489     -115.32      108.02
   49 -36.438      36.438     -108.02      100.74
   50 -36.200      36.200     -100.74      93.496
   51 -35.652      35.652     -93.496      86.366
   52 -34.926      34.926     -86.366      79.381
   53 -33.951      33.951     -79.381      72.591
   54 -32.864      32.864     -72.591      66.018
   55 -31.581      31.581     -66.018      59.702
   56 -30.217      30.217     -59.702      53.658
   57 -28.701      28.701     -53.658      47.918
   58 -27.140      27.140     -47.918      42.490
   59 -25.461      25.461     -42.490      37.398
   60 -23.761      23.761     -37.398      32.645
   61 -21.959      21.959     -32.645      28.254
   62 -20.141      20.141     -28.254      24.225
   63 -18.230      18.230     -24.225      20.579
   64 -16.319      16.319     -20.579      17.316
   65 -14.331      14.331     -17.316      14.450
   66 -12.355      12.355     -14.450      11.979
   67 -11.194      11.194     -11.979      9.7398
   68 -10.074      10.074     -9.7398      7.7251
   69 -8.9408      8.9408     -7.7251      5.9369
   70 -7.8688      7.8688     -5.9369      4.3631
   71 -6.7969      6.7969     -4.3631      3.0038
   72 -5.8028      5.8028     -3.0038      1.8433
   73 -4.8259      4.8259     -1.8433     0.87809
   74 -3.9399      3.9399    -0.87809     9.01121E-02
   75 -3.0840      3.0840    -9.01121E-02-0.52669
   76 -2.3362      2.3362     0.52669    -0.99392
   77 -1.6279      1.6279     0.99392     -1.3195
   78 -1.0263      1.0263      1.3195     -1.5248
   79-0.47106     0.47106      1.5248     -1.6190
   80-2.63996E-02 2.63996E-02  1.6190     -1.6243
   81 0.36751    -0.36751      1.6243     -1.5508
   82 0.70857    -0.70857      1.5508     -1.4090
   83 0.93636    -0.93636      1.4090     -1.2218
   84  1.1023     -1.1023      1.2218     -1.0013
   85  1.1548     -1.1548      1.0013    -0.77034
   86  1.1511     -1.1511     0.77034    -0.54012
   87  1.0344     -1.0344     0.54012    -0.33324
   88 0.86072    -0.86072     0.33324    -0.16110
   89 0.57458    -0.57458     0.16110    -4.61842E-02
   90 0.23092    -0.23092     4.61842E-02-5.11480E-13


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------
ANCHOR    1   140.90     -1.08357E-03 -1.08357E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:00:06                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
```

```
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 8876.     REMNOR=0.1012E-18 RATIO =0.1966     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1966     RATIOR= 0.000
           MAX UN= 19.76     IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.2532E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 1182.     REMNOR=0.7491E-18 RATIO =0.7174E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.7174E-01 RATIOR= 0.000
           MAX UN= 8.768     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1825E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 443.5     REMNOR=0.1428E-17 RATIO =0.4394E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.4394E-01 RATIOR= 0.000
           MAX UN= 7.312     IEQ=   103 NODE     52 DOF   1  Y-DISPL.F
           MIN UN=-.4089E-08 IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 60.47     REMNOR=0.6845E-17 RATIO =0.1623E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1623E-01 RATIOR= 0.000
           MAX UN= 4.684     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-.8309     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM=0.3284     REMNOR=0.1576E-17 RATIO =0.1196E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1196E-02 RATIOR= 0.000
           MAX UN=0.4104     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-.5703E-08 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM=0.5295E-15 REMNOR=0.1155E-17 RATIO =0.4801E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.4801E-10 RATIOR= 0.000
           MAX UN=0.7420E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-.6931E-08 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
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| Exe Time :29 July 2019 18:00:06 |

New Project
SOLUTION REACHED USING 6 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 5 (AT TIME 5.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	3.2041727E-02	-1.2795206E-03	
2	3.1785823E-02	-1.2795134E-03	
3	3.1529924E-02	-1.2794761E-03	
4	3.1274039E-02	-1.2793478E-03	
5	3.1018197E-02	-1.2790357E-03	
6	3.0762444E-02	-1.2784266E-03	
7	3.0506855E-02	-1.2773880E-03	
8	3.0251528E-02	-1.2757717E-03	
9	2.9996595E-02	-1.2734139E-03	
10	2.9742223E-02	-1.2701384E-03	
11	2.9488614E-02	-1.2657557E-03	
12	2.9236008E-02	-1.2600638E-03	
13	2.8984690E-02	-1.2528471E-03	
14	2.8734986E-02	-1.2438781E-03	
15	2.8487272E-02	-1.2329167E-03	
16	2.8241969E-02	-1.2197108E-03	
17	2.7999208E-02	-1.2091963E-03	
18	2.7757783E-02	-1.2062982E-03	
19	2.7516200E-02	-1.2107296E-03	
20	2.7273022E-02	-1.2221920E-03	
21	2.7026875E-02	-1.2403749E-03	
22	2.6776446E-02	-1.2649566E-03	
23	2.6520488E-02	-1.2956037E-03	
24	2.6257824E-02	-1.3319711E-03	
25	2.5987343E-02	-1.3737031E-03	
26	2.5708010E-02	-1.4204326E-03	
27	2.5418862E-02	-1.4717810E-03	
28	2.5119016E-02	-1.5273586E-03	
29	2.4807665E-02	-1.5867638E-03	
30	2.4484084E-02	-1.6495848E-03	
31	2.4147632E-02	-1.7153974E-03	
32	2.3797754E-02	-1.7837670E-03	
33	2.3433984E-02	-1.8542476E-03	
34	2.3055945E-02	-1.9263824E-03	
35	2.2663354E-02	-1.9997025E-03	
36	2.2256019E-02	-2.0737294E-03	
37	2.1833848E-02	-2.1479719E-03	
38	2.1396849E-02	-2.2219282E-03	
39	2.0945130E-02	-2.2950851E-03	
40	2.0478906E-02	-2.3669183E-03	
41	1.9998489E-02	-2.4368936E-03	
42	1.9504309E-02	-2.5044643E-03	
43	1.8996901E-02	-2.5690733E-03	
44	1.8476915E-02	-2.6301521E-03	
45	1.7945117E-02	-2.6871208E-03	
46	1.7402369E-02	-2.7393906E-03	
47	1.6849701E-02	-2.7863568E-03	
48	1.6288220E-02	-2.8274083E-03	
49	1.5719176E-02	-2.8619213E-03	
50	1.5143930E-02	-2.8892976E-03	
51	1.4563966E-02	-2.9090370E-03	
52	1.3980846E-02	-2.9207743E-03	
53	1.3396202E-02	-2.9242785E-03	
54	1.2811690E-02	-2.9194539E-03	
55	1.2228973E-02	-2.9063394E-03	
56	1.1649695E-02	-2.8851089E-03	
57	1.1075450E-02	-2.8560709E-03	
58	1.0507758E-02	-2.8196689E-03	
59	9.9480374E-03	-2.7764474E-03	
60	9.3975951E-03	-2.7269834E-03	
61	8.8576220E-03	-2.6718504E-03	
62	8.3291948E-03	-2.6116187E-03	
63	7.8132766E-03	-2.5468560E-03	
64	7.3107169E-03	-2.4781270E-03	
65	6.8222527E-03	-2.4059943E-03	
66	6.3485087E-03	-2.3310183E-03	
67	5.8899986E-03	-2.2537438E-03	
68	5.4471189E-03	-2.1748532E-03	
69	5.0201097E-03	-2.0951764E-03	
70	4.6090460E-03	-2.0155352E-03	
71	4.2138390E-03	-1.9367435E-03	
72	3.8342384E-03	-1.8596039E-03	
73	3.4698533E-03	-1.7848978E-03	
74	3.1200864E-03	-1.7133613E-03	

75	2.7842525E-03	-1.6456692E-03
76	2.4615254E-03	-1.5823766E-03
77	2.1509792E-03	-1.5239238E-03
78	1.8516112E-03	-1.4706410E-03
79	1.5623632E-03	-1.4227520E-03
80	1.2821427E-03	-1.3803784E-03
81	1.0098426E-03	-1.3435433E-03
82	7.4436104E-04	-1.3121736E-03
83	4.8461997E-04	-1.2861023E-03
84	2.2958413E-04	-1.2650710E-03
85	-2.1733804E-05	-1.2487323E-03
86	-2.7020540E-04	-1.2366538E-03
87	-5.1664457E-04	-1.2283140E-03
88	-7.6173985E-04	-1.2231071E-03
89	-1.0060502E-03	-1.2203424E-03
90	-1.2499888E-03	-1.2192573E-03
91	-1.4938107E-03	-1.2190356E-03

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:00:06

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-3.2042E-02	10.00	3.040	10.00	16.00	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.6575	-3.1786E-02	10.81	3.288	10.81	16.18	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.288	0.000	0.000	Strato1_2_8_L_0
3 D	1.910	-3.1530E-02	31.41	9.550	31.41	25.36	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.550	0.000	0.000	Strato1_2_8_L_0
4 D	2.005	-3.1274E-02	32.97	10.02	32.97	25.88	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	10.02	0.000	0.000	Strato1_2_8_L_0
5 D	2.751	-3.1018E-02	45.25	13.76	45.25	31.27	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	13.76	0.000	0.000	Strato1_2_8_L_0
6 D	2.841	-3.0762E-02	46.73	14.21	46.73	31.75	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.21	0.000	0.000	Strato1_2_8_L_0
7 D	3.396	-3.0507E-02	55.86	16.98	55.86	35.71	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.98	0.000	0.000	Strato1_2_8_L_0
8 D	3.502	-3.0252E-02	57.60	17.51	57.60	36.30	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.51	0.000	0.000	Strato1_2_8_L_0
9 D	3.925	-2.9997E-02	64.56	19.63	64.56	39.26	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.051	-2.9742E-02	66.63	20.26	66.63	39.99	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.26	0.000	0.000	Strato1_2_8_L_0
11 D	4.467	-2.9489E-02	73.46	22.33	73.46	42.88	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.33	0.000	0.000	Strato1_2_8_L_0
12 D	4.604	-2.9236E-02	75.72	23.02	75.72	43.68	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.02	0.000	0.000	Strato1_2_8_L_0
13 D	4.985	-2.8985E-02	81.98	24.92	81.98	46.28	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.92	0.000	0.000	Strato1_2_8_L_0
14 D	5.131	-2.8735E-02	84.40	25.66	84.40	47.12	ACTIVE	0.000	-2.600	0.000	1.000	1.000	25.66	0.000	0.000	Strato1_2_8_L_0
15 D	5.488	-2.8487E-02	90.27	27.44	90.27	49.51	ACTIVE	0.000	-2.800	0.000	1.000	1.000	27.44	0.000	0.000	Strato1_2_8_L_0
16 D	5.621	-2.8242E-02	92.44	28.10	92.44	50.19	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.10	0.000	0.000	Strato1_2_8_L_0
17 D	5.961	-2.7999E-02	98.05	29.81	98.05	52.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000	29.81	0.000	0.000	Strato1_2_8_L_0
18 D	6.124	-2.7758E-02	100.7	30.62	100.7	53.39	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.62	0.000	0.000	Strato1_2_8_L_0
19 D	6.451	-2.7516E-02	106.1	32.26	106.1	56.24	ACTIVE	0.000	-3.600	0.000	1.000	1.000	32.26	0.000	0.000	Strato1_2_8_L_0
20 D	6.620	-2.7273E-02	108.9	33.10	108.9	57.70	ACTIVE	0.000	-3.800	0.000	1.000	1.000	33.10	0.000	0.000	Strato1_2_8_L_0
21 D	6.936	-2.7027E-02	114.1	34.68	114.1	60.46	ACTIVE	0.000	-4.000	0.000	1.000	1.000				

34.68	0.000	0.000	Strato1_2_8_L_0									
22 D	7.109	-2.6776E-02	116.9	35.55	116.9	61.97	ACTIVE	0.000	-4.200	0.000	1.000	1.000
35.55	0.000	0.000	Strato1_2_8_L_0									
23 D	7.417	-2.6520E-02	122.0	37.09	122.0	64.66	ACTIVE	0.000	-4.400	0.000	1.000	1.000
37.09	0.000	0.000	Strato1_2_8_L_0									
24 D	7.579	-2.6258E-02	124.7	37.90	124.7	66.07	ACTIVE	0.000	-4.600	0.000	1.000	1.000
37.90	0.000	0.000	Strato1_2_8_L_0									
25 D	7.881	-2.5987E-02	129.6	39.40	129.6	68.70	ACTIVE	0.000	-4.800	0.000	1.000	1.000
39.40	0.000	0.000	Strato1_2_8_L_0									
26 D	8.062	-2.5708E-02	132.6	40.31	132.6	70.28	ACTIVE	0.000	-5.000	0.000	1.000	1.000
40.31	0.000	0.000	Strato1_2_8_L_0									
27 D	8.358	-2.5419E-02	137.5	41.79	137.5	72.85	ACTIVE	0.000	-5.200	0.000	1.000	1.000
41.79	0.000	0.000	Strato1_2_8_L_0									
28 D	8.542	-2.5119E-02	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-2.4808E-02	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.4484E-02	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.4148E-02	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.3798E-02	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.3434E-02	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.3056E-02	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-2.2663E-02	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-2.2256E-02	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-2.1834E-02	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	10.90	-2.1397E-02	179.3	54.52	179.3	95.05	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.52	0.000	0.000	Strato1_2_8_L_0									
39 D	11.17	-2.0945E-02	183.7	55.84	183.7	97.36	ACTIVE	0.000	-7.600	0.000	1.000	1.000
55.84	0.000	0.000	Strato1_2_8_L_0									
40 D	11.37	-2.0479E-02	186.9	56.83	186.9	99.08	ACTIVE	0.000	-7.800	0.000	1.000	1.000
56.83	0.000	0.000	Strato1_2_8_L_0									
41 D	11.64	-1.9998E-02	191.4	58.19	191.4	101.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.19	0.000	0.000	Strato1_2_8_L_0									
42 D	11.84	-1.9504E-02	194.7	59.18	194.7	103.2	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.18	0.000	0.000	Strato1_2_8_L_0									
43 D	12.11	-1.8997E-02	199.1	60.53	199.1	105.5	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.53	0.000	0.000	Strato1_2_8_L_0									
44 D	12.31	-1.8477E-02	202.4	61.53	202.4	107.3	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.53	0.000	0.000	Strato1_2_8_L_0									
45 D	12.57	-1.7945E-02	206.8	62.87	206.8	109.6	ACTIVE	0.000	-8.800	0.000	1.000	1.000
62.87	0.000	0.000	Strato1_2_8_L_0									
46 D	12.77	-1.7402E-02	210.0	63.84	210.0	111.3	ACTIVE	0.000	-9.000	0.000	1.000	1.000
63.84	0.000	0.000	Strato1_2_8_L_0									
47 D	13.03	-1.6850E-02	214.4	65.17	214.4	113.6	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.17	0.000	0.000	Strato1_2_8_L_0									
48 D	13.24	-1.6288E-02	217.7	66.19	217.7	115.4	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.19	0.000	0.000	Strato1_2_8_L_0									
49 D	13.50	-1.5719E-02	222.1	67.51	222.1	117.7	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.51	0.000	0.000	Strato1_2_8_L_0									
50 D	13.71	-1.5144E-02	225.4	68.53	225.4	119.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000
68.53	0.000	0.000	Strato1_2_8_L_0									
51 D	13.97	-1.4564E-02	229.8	69.85	229.8	121.8	ACTIVE	0.000	-10.00	0.000	1.000	1.000
69.85	0.000	0.000	Strato1_2_8_L_0									
52 D	14.17	-1.3981E-02	233.1	70.87	233.1	123.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000
70.87	0.000	0.000	Strato1_2_8_L_0									
53 D	14.44	-1.3396E-02	237.4	72.18	237.4	125.8	ACTIVE	0.000	-10.40	0.000	1.000	1.000
72.18	0.000	0.000	Strato1_2_8_L_0									
54 D	14.63	-1.2812E-02	240.7	73.17	240.7	127.6	ACTIVE	0.000	-10.60	0.000	1.000	1.000
73.17	0.000	0.000	Strato1_2_8_L_0									
55 D	14.90	-1.2229E-02	245.0	74.48	245.0	129.8	ACTIVE	0.000	-10.80	0.000	1.000	1.000
74.48	0.000	0.000	Strato1_2_8_L_0									
56 D	15.10	-1.1650E-02	248.4	75.51	248.4	131.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000
75.51	0.000	0.000	Strato1_2_8_L_0									
57 D	15.36	-1.1075E-02	252.7	76.81	252.7	133.9	ACTIVE	0.000	-11.20	0.000	1.000	1.000
76.81	0.000	0.000	Strato1_2_8_L_0									
58 D	15.57	-1.0508E-02	256.1	77.85	256.1	135.7	ACTIVE	0.000	-11.40	0.000	1.000	1.000
77.85	0.000	0.000	Strato1_2_8_L_0									
59 D	15.83	-9.9480E-03	260.3	79.14	260.3	138.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000
79.14	0.000	0.000	Strato1_2_8_L_0									
60 D	16.04	-9.3976E-03	263.7	80.18	263.7	139.8	ACTIVE	0.000	-11.80	0.000	1.000	1.000
80.18	0.000	0.000	Strato1_2_8_L_0									
61 D	16.29	-8.8576E-03	267.9	81.44	267.9	142.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000
81.44	0.000	0.000	Strato1_2_8_L_0									
62 D	16.50	-8.3292E-03	271.3	82.48	271.3	143.8	ACTIVE	0.000	-12.20	0.000	1.000	1.000
82.48	0.000	0.000	Strato1_2_8_L_0									
63 D	16.75	-7.8133E-03	275.5	83.77	275.5	146.0	ACTIVE	0.000	-12.40	0.000	1.000	1.000
83.77	0.000	0.000	Strato1_2_8_L_0									

64 D	16.96	-7.3107E-03	279.0	84.81	279.0	147.9	ACTIVE	0.000	-12.60	0.000	1.000	1.000	84.81	0.000	0.000	Strato1_2_8_L_0
65 D	17.22	-6.8223E-03	283.2	86.09	283.2	150.1	ACTIVE	0.000	-12.80	0.000	1.000	1.000	86.09	0.000	0.000	Strato1_2_8_L_0
66 D	18.01	-6.3485E-03	286.7	90.03	286.7	151.9	UL-RL	8488.	-13.00	0.000	1.000	1.000	90.03	0.000	0.000	Strato1_2_8_L_0
67 D	9.797	-5.8900E-03	291.0	48.98	291.0	145.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000	48.98	0.000	0.000	Strato2_3095_82743_L_0
68 D	9.969	-5.4471E-03	294.6	49.84	294.6	147.3	ACTIVE	0.000	-13.40	0.000	1.000	1.000	49.84	0.000	0.000	Strato2_3095_82743_L_0
69 D	10.17	-5.0201E-03	298.9	50.86	298.9	149.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000	50.86	0.000	0.000	Strato2_3095_82743_L_0
70 D	10.34	-4.6090E-03	302.6	51.72	302.6	151.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000	51.72	0.000	0.000	Strato2_3095_82743_L_0
71 D	10.55	-4.2138E-03	307.0	52.75	307.0	153.5	ACTIVE	0.000	-14.00	0.000	1.000	1.000	52.75	0.000	0.000	Strato2_3095_82743_L_0
72 D	10.72	-3.8342E-03	310.7	53.61	310.7	155.3	ACTIVE	0.000	-14.20	0.000	1.000	1.000	53.61	0.000	0.000	Strato2_3095_82743_L_0
73 D	10.93	-3.4699E-03	315.0	54.64	315.0	157.5	ACTIVE	0.000	-14.40	0.000	1.000	1.000	54.64	0.000	0.000	Strato2_3095_82743_L_0
74 D	12.83	-3.1201E-03	318.7	64.15	318.7	159.4	UL-RL	2.4012E+04	-14.60	0.000	1.000	1.000	64.15	0.000	0.000	Strato2_3095_82743_L_0
75 D	14.91	-2.7843E-03	323.1	74.53	323.1	161.5	UL-RL	2.4012E+04	-14.80	0.000	1.000	1.000	74.53	0.000	0.000	Strato2_3095_82743_L_0
76 D	16.84	-2.4615E-03	326.7	84.19	326.7	163.3	UL-RL	2.4012E+04	-15.00	0.000	1.000	1.000	84.19	0.000	0.000	Strato2_3095_82743_L_0
77 D	18.78	-2.1510E-03	331.0	93.91	331.0	165.5	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000	93.91	0.000	0.000	Strato2_3095_82743_L_0
78 D	20.60	-1.8516E-03	334.7	103.0	334.7	167.4	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000	103.0	0.000	0.000	Strato2_3095_82743_L_0
79 D	22.43	-1.5624E-03	339.1	112.2	339.1	169.5	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000	112.2	0.000	0.000	Strato2_3095_82743_L_0
80 D	24.15	-1.2821E-03	342.8	120.8	342.8	171.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	120.8	0.000	0.000	Strato2_3095_82743_L_0
81 D	25.89	-1.0098E-03	347.1	129.5	347.1	173.6	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	129.5	0.000	0.000	Strato2_3095_82743_L_0
82 D	27.60	-7.4436E-04	351.4	138.0	351.4	175.7	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	138.0	0.000	0.000	Strato2_3095_82743_L_0
83 D	29.21	-4.8462E-04	355.1	146.0	355.1	177.6	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	146.0	0.000	0.000	Strato2_3095_82743_L_0
84 D	30.85	-2.2958E-04	359.4	154.3	359.4	179.7	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	154.3	0.000	0.000	Strato2_3095_82743_L_0
85 D	32.42	2.1734E-05	363.1	162.1	363.1	181.6	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	162.1	0.000	0.000	Strato2_3095_82743_L_0
86 D	34.04	2.7021E-04	367.4	170.2	367.4	183.7	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	170.2	0.000	0.000	Strato2_3095_82743_L_0
87 D	35.58	5.1664E-04	371.1	177.9	371.1	185.6	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	177.9	0.000	0.000	Strato2_3095_82743_L_0
88 D	37.18	7.6174E-04	375.4	185.9	375.4	187.7	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	185.9	0.000	0.000	Strato2_3095_82743_L_0
89 D	38.18	1.0061E-03	379.2	190.9	379.2	190.9	V-C	8004.	-17.60	0.000	1.000	1.000	190.9	0.000	0.000	Strato2_3095_82743_L_0
90 D	39.00	1.2500E-03	383.5	195.0	383.5	195.0	V-C	8004.	-17.80	0.000	1.000	1.000	195.0	0.000	0.000	Strato2_3095_82743_L_0
91 D	19.88	1.4938E-03	387.1	198.8	387.1	198.8	V-C	8004.	-18.00	0.000	1.000	1.000	198.8	0.000	0.000	Strato2_3095_82743_L_0

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
 |                                  Exe Time :29 July 2019      18:00:06                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available

2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000

0.000	0.000	0.000	not available										
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
49	D	1.536	1.5719E-02	1.900	7.678	182.4	100.6	PASSIVE	0.000	-9.600	0.000	1.000	1.000
7.678	0.000	0.000	Strato1_2_8_L_0										
50	D	4.607	1.5144E-02	5.700	23.03	186.2	102.4	PASSIVE	0.000	-9.800	0.000	1.000	1.000
23.03	0.000	0.000	Strato1_2_8_L_0										
51	D	7.678	1.4564E-02	9.500	38.39	190.0	104.4	PASSIVE	0.000	-10.00	0.000	1.000	1.000
38.39	0.000	0.000	Strato1_2_8_L_0										
52	D	10.75	1.3981E-02	13.30	53.75	193.8	106.3	PASSIVE	0.000	-10.20	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0										
53	D	13.82	1.3396E-02	17.10	69.10	197.6	108.3	PASSIVE	0.000	-10.40	0.000	1.000	1.000
69.10	0.000	0.000	Strato1_2_8_L_0										
54	D	16.89	1.2812E-02	20.90	84.46	201.4	110.2	PASSIVE	0.000	-10.60	0.000	1.000	1.000
84.46	0.000	0.000	Strato1_2_8_L_0										
55	D	19.96	1.2229E-02	24.70	99.81	205.2	112.2	PASSIVE	0.000	-10.80	0.000	1.000	1.000
99.81	0.000	0.000	Strato1_2_8_L_0										
56	D	23.03	1.1650E-02	28.50	115.2	209.0	115.2	PASSIVE	0.000	-11.00	0.000	1.000	1.000
115.2	0.000	0.000	Strato1_2_8_L_0										
57	D	26.10	1.1075E-02	32.30	130.5	212.8	130.5	PASSIVE	0.000	-11.20	0.000	1.000	1.000
130.5	0.000	0.000	Strato1_2_8_L_0										
58	D	27.77	1.0508E-02	36.10	138.8	216.6	138.8	V-C	2079.	-11.40	0.000	1.000	1.000
138.8	0.000	0.000	Strato1_2_8_L_0										
59	D	27.93	9.9480E-03	39.90	139.6	220.4	139.6	V-C	2079.	-11.60	0.000	1.000	1.000
139.6	0.000	0.000	Strato1_2_8_L_0										
60	D	28.09	9.3976E-03	43.70	140.5	224.2	140.5	V-C	2079.	-11.80	0.000	1.000	1.000
140.5	0.000	0.000	Strato1_2_8_L_0										
61	D	28.26	8.8576E-03	47.50	141.3	228.0	141.3	V-C	2079.	-12.00	0.000	1.000	1.000
141.3	0.000	0.000	Strato1_2_8_L_0										
62	D	28.43	8.3292E-03	51.30	142.2	231.8	142.2	V-C	2079.	-12.20	0.000	1.000	1.000
142.2	0.000	0.000	Strato1_2_8_L_0										
63	D	28.61	7.8133E-03	55.10	143.1	235.6	143.1	V-C	2079.	-12.40	0.000	1.000	1.000
143.1	0.000	0.000	Strato1_2_8_L_0										
64	D	28.80	7.3107E-03	58.90	144.0	239.4	144.0	V-C	2079.	-12.60	0.000	1.000	1.000
144.0	0.000	0.000	Strato1_2_8_L_0										
65	D	28.99	6.8223E-03	62.70	144.9	243.2	144.9	V-C	2079.	-12.80	0.000	1.000	1.000
144.9	0.000	0.000	Strato1_2_8_L_0										
66	D	29.19	6.3485E-03	66.50	145.9	247.0	145.9	V-C	2079.	-13.00	0.000	1.000	1.000
145.9	0.000	0.000	Strato1_2_8_L_0										
67	D	27.36	5.8900E-03	70.40	136.8	250.9	136.8	V-C	4593.	-13.20	0.000	1.000	1.000
136.8	0.000	0.000	Strato2_3095_82743_L_0										
68	D	27.37	5.4471E-03	74.40	136.8	254.9	136.8	V-C	4593.	-13.40	0.000	1.000	1.000
136.8	0.000	0.000	Strato2_3095_82743_L_0										
69	D	27.39	5.0201E-03	78.40	136.9	258.9	136.9	V-C	4593.	-13.60	0.000	1.000	1.000
136.9	0.000	0.000	Strato2_3095_82743_L_0										
70	D	27.42	4.6090E-03	82.40	137.1	262.9	137.1	V-C	4593.	-13.80	0.000	1.000	1.000
137.1	0.000	0.000	Strato2_3095_82743_L_0										
71	D	27.28	4.2138E-03	86.40	136.4	266.9	137.8	UL-RL	1.3780E+04	-14.00	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0										
72	D	26.74	3.8342E-03	90.40	133.7	270.9	139.6	UL-RL	1.3780E+04	-14.20	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0										
73	D	26.24	3.4699E-03	94.40	131.2	274.9	141.5	UL-RL	1.3780E+04	-14.40	0.000	1.000	1.000
131.2	0.000	0.000	Strato2_3095_82743_L_0										
74	D	25.78	3.1201E-03	98.40	128.9	278.9	143.3	UL-RL	1.3780E+04	-14.60	0.000	1.000	1.000
128.9	0.000	0.000	Strato2_3095_82743_L_0										
75	D	25.34	2.7843E-03	102.4	126.7	282.9	145.2	UL-RL	1.3780E+04	-14.80	0.000	1.000	1.000
126.7	0.000	0.000	Strato2_3095_82743_L_0										
76	D	24.95	2.4615E-03	106.4	124.7	286.9	147.0	UL-RL	1.3780E+04	-15.00	0.000	1.000	1.000
124.7	0.000	0.000	Strato2_3095_82743_L_0										
77	D	24.58	2.1510E-03	110.4	122.9	290.9	148.9	UL-RL	1.3780E+04	-15.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato2_3095_82743_L_0										
78	D	24.24	1.8516E-03	114.4	121.2	294.9	150.8	UL-RL	1.3780E+04	-15.40	0.000	1.000	1.000
121.2	0.000	0.000	Strato2_3095_82743_L_0										
79	D	23.92	1.5624E-03	118.4	119.6	298.9	152.7	UL-RL	1.3780E+04	-15.60	0.000	1.000	1.000
119.6	0.000	0.000	Strato2_3095_82743_L_0										
80	D	23.63	1.2821E-03	122.4	118.1	302.9	154.6	UL-RL	1.3780E+04	-15.80	0.000	1.000	1.000
118.1	0.000	0.000	Strato2_3095_82743_L_0										
81	D	23.35	1.0098E-03	126.4	116.7	306.9	156.5	UL-RL	1.3780E+04	-16.00	0.000	1.000	1.000
116.7	0.000	0.000	Strato2_3095_82743_L_0										
82	D	23.09	7.4436E-04	130.4	115.4	310.9	158.5	UL-RL	1.3780E+04	-16.20	0.000	1.000	1.000
115.4	0.000	0.000	Strato2_3095_82743_L_0										
83	D	22.84	4.8462E-04	134.4	114.2	314.9	160.4	UL-RL	1.3780E+04	-16.40	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0										
84	D	22.61	2.2958E-04	138.4	113.0	318.9	162.3	UL-RL	1.3780E+04	-16.60	0.000	1.000	1.000
113.0	0.000	0.000	Strato2_3095_82743_L_0										
85	D	22.38	-2.1734E-05	142.4	111.9	322.9	164.2	UL-RL	1.3780E+04	-16.80	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0										
86	D	22.16	-2.7021E-04	146.4	110.8	326.9	166.2	UL-RL	1.3780E+04	-17.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato2_3095_82743_L_0										

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  87 D   21.94     -5.1664E-04   150.4       109.7       330.9       168.1          UL-RL  1.3780E+04  -17.20       0.000       1.000       1.000
109.7       0.000       0.000     Strato2_3095_82743_L_0
  88 D   21.73     -7.6174E-04   154.4       108.6       334.9       170.1          UL-RL  1.3780E+04  -17.40       0.000       1.000       1.000
108.6       0.000       0.000     Strato2_3095_82743_L_0
  89 D   21.51     -1.0061E-03   158.4       107.6       338.9       172.0          UL-RL  1.3780E+04  -17.60       0.000       1.000       1.000
107.6       0.000       0.000     Strato2_3095_82743_L_0
  90 D   21.30     -1.2500E-03   162.4       106.5       342.9       173.9          UL-RL  1.3780E+04  -17.80       0.000       1.000       1.000
106.5       0.000       0.000     Strato2_3095_82743_L_0
  91 D   10.54     -1.4938E-03   166.4       105.4       346.9       175.9          UL-RL  1.3780E+04  -18.00       0.000       1.000       1.000
105.4       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                          |
 |                                                                                                                                     |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                                                    |
 |                                   Exe Time :29 July 2019      18:00:06                                                              |
 +-------------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S      5.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.30400    -0.30400     2.84981E-11 6.08000E-02
     2 0.96154    -0.96154    -6.08000E-02 0.25311
     3  2.8715     -2.8715    -0.25311     0.82740
     4  4.8761     -4.8761    -0.82740      1.8026
     5  7.6275     -7.6275     -1.8026      3.3281
     6  10.469     -10.469     -3.3281      5.4219
     7  13.865     -13.865     -5.4219      8.1948
     8  17.367     -17.367     -8.1948      11.668
     9  21.292     -21.292     -11.668      15.927
    10  25.343     -25.343     -15.927      20.995
    11  29.810     -29.810     -20.995      26.957
    12  34.413     -34.413     -26.957      33.840
    13  39.398     -39.398     -33.840      41.719
    14  44.529     -44.529     -41.719      50.625
    15  50.017     -50.017     -50.625      60.629
    16 -163.39      163.39     -60.629      27.950
    17 -157.43      157.43     -27.950     -3.5356
    18 -151.31      151.31      3.5356     -33.797
    19 -144.85      144.85      33.797     -62.768
    20 -138.23      138.23      62.768     -90.415
    21 -131.30      131.30      90.415     -116.67
    22 -124.19      124.19      116.67     -141.51
    23 -116.77      116.77      141.51     -164.87
    24 -109.19      109.19      164.87     -186.71
    25 -101.31      101.31      186.71     -206.97
    26 -93.250      93.250      206.97     -225.62
    27 -84.892      84.892      225.62     -242.60
    28 -76.350      76.350      242.60     -257.87
    29 -67.518      67.518      257.87     -271.37
    30 -58.499      58.499      271.37     -283.07
    31 -49.205      49.205      283.07     -292.91
    32 -39.721      39.721      292.91     -300.85
    33 -29.954      29.954      300.85     -306.85
    34 -19.995      19.995      306.85     -310.84
    35 -9.7573      9.7573      310.84     -312.80
    36 0.67459    -0.67459      312.80     -312.66
    37  11.383     -11.383      312.66     -310.38
    38  22.287     -22.287      310.38     -305.93
    39  33.456     -33.456      305.93     -299.24
    40  44.822     -44.822      299.24     -290.27
    41  56.460     -56.460      290.27     -278.98
    42  68.297     -68.297      278.98     -265.32
    43  80.404     -80.404      265.32     -249.24
    44  92.711     -92.711      249.24     -230.70
    45  105.29     -105.29      230.70     -209.64
    46  118.05     -118.05      209.64     -186.03
    47  131.09     -131.09      186.03     -159.81
    48  144.33     -144.33      159.81     -130.95
    49  156.29     -156.29      130.95     -99.687
    50  165.39     -165.39      99.687     -66.608
    51  171.68     -171.68      66.608     -32.272
    52  175.11     -175.11      32.272      2.7501
```

53	175.72	-175.72	-2.7501	37.895
54	173.47	-173.47	-37.895	72.588
55	168.40	-168.40	-72.588	106.27
56	160.47	-160.47	-106.27	138.36
57	149.73	-149.73	-138.36	168.31
58	137.53	-137.53	-168.31	195.81
59	125.43	-125.43	-195.81	220.90
60	113.37	-113.37	-220.90	243.57
61	101.40	-101.40	-243.57	263.85
62	89.462	-89.462	-263.85	281.74
63	77.604	-77.604	-281.74	297.26
64	65.769	-65.769	-297.26	310.42
65	53.999	-53.999	-310.42	321.22
66	42.819	-42.819	-321.22	329.78
67	25.256	-25.256	-329.78	334.83
68	7.8594	-7.8594	-334.83	336.40
69	-9.3550	9.3550	-336.40	334.53
70	-26.431	26.431	-334.53	329.25
71	-43.163	43.163	-329.25	320.62
72	-59.182	59.182	-320.62	308.78
73	-74.494	74.494	-308.78	293.88
74	-87.440	87.440	-293.88	276.39
75	-97.879	97.879	-276.39	256.82
76	-105.99	105.99	-256.82	235.62
77	-111.78	111.78	-235.62	213.26
78	-115.42	115.42	-213.26	190.18
79	-116.91	116.91	-190.18	166.80
80	-116.38	116.38	-166.80	143.52
81	-113.84	113.84	-143.52	120.75
82	-109.33	109.33	-120.75	98.886
83	-102.97	102.97	-98.886	78.292
84	-94.725	94.725	-78.292	59.346
85	-84.682	84.682	-59.346	42.410
86	-72.804	72.804	-42.410	27.849
87	-59.162	59.162	-27.849	16.017
88	-43.709	43.709	-16.017	7.2746
89	-27.037	27.037	-7.2746	1.8671
90	-9.3357	9.3357	-1.8671	2.57228E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                  Exe Time :29 July 2019      18:00:06                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   226.76     -1.08357E-03  2.06522E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                  Exe Time :29 July 2019      18:00:06                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
```

```
***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM=0.5831E+05 REMNOR=0.1155E-17 RATIO =0.1819     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1819     RATIOR= 0.000
           MAX UN=0.7420E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-241.5     IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM= 3.325     REMNOR=0.1875E-17 RATIO =0.1373E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1373E-02 RATIOR= 0.000
           MAX UN=0.2814     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-1.798     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM=0.4412E-15 REMNOR=0.1960E-17 RATIO =0.1582E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1582E-10 RATIOR= 0.000
           MAX UN=0.8154E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.7246E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :29 July 2019      18:00:06                                                  |
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New Project
SOLUTION REACHED USING     3 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)          (
    1   3.2936415E-02  -1.7828932E-03
    2   3.2579837E-02  -1.7828860E-03
    3   3.2223263E-02  -1.7828487E-03
    4   3.1866704E-02  -1.7827205E-03
    5   3.1510187E-02  -1.7824083E-03
    6   3.1153760E-02  -1.7817993E-03
    7   3.0797496E-02  -1.7807606E-03
    8   3.0441494E-02  -1.7791443E-03
    9   3.0085887E-02  -1.7767866E-03
   10   2.9730841E-02  -1.7735110E-03
   11   2.9376557E-02  -1.7691279E-03
   12   2.9023277E-02  -1.7634300E-03
   13   2.8671288E-02  -1.7561890E-03
   14   2.8320921E-02  -1.7471559E-03
   15   2.7972563E-02  -1.7360613E-03
   16   2.7626653E-02  -1.7226156E-03
   17   2.7283351E-02  -1.7116556E-03
   18   2.6941504E-02  -1.7079987E-03
   19   2.6599688E-02  -1.7112961E-03
   20   2.6256547E-02  -1.7211796E-03
   21   2.5910803E-02  -1.7372608E-03
   22   2.5561256E-02  -1.7591320E-03
   23   2.5206792E-02  -1.7863658E-03
   24   2.4846384E-02  -1.8185153E-03
   25   2.4479091E-02  -1.8551149E-03
   26   2.4104074E-02  -1.8956798E-03
   27   2.3720589E-02  -1.9397061E-03
   28   2.3327996E-02  -1.9866708E-03
   29   2.2925763E-02  -2.0360320E-03
```

30	2.2513462E-02	-2.0872294E-03
31	2.2090787E-02	-2.1396840E-03
32	2.1657545E-02	-2.1927985E-03
33	2.1213665E-02	-2.2459580E-03
34	2.0759201E-02	-2.2985299E-03
35	2.0294338E-02	-2.3498633E-03
36	1.9819385E-02	-2.3992915E-03
37	1.9334794E-02	-2.4461297E-03
38	1.8841152E-02	-2.4896771E-03
39	1.8339190E-02	-2.5292170E-03
40	1.7829784E-02	-2.5640170E-03
41	1.7313951E-02	-2.5933308E-03
42	1.6792868E-02	-2.6163972E-03
43	1.6267861E-02	-2.6324412E-03
44	1.5740412E-02	-2.6406753E-03
45	1.5212167E-02	-2.6402995E-03
46	1.4684910E-02	-2.6305024E-03
47	1.4160254E-02	-2.6161960E-03
48	1.3638405E-02	-2.6022824E-03
49	1.3119373E-02	-2.5879229E-03
50	1.2603325E-02	-2.5722737E-03
51	1.2090604E-02	-2.5545185E-03
52	1.1581703E-02	-2.5339415E-03
53	1.1077251E-02	-2.5099713E-03
54	1.0577969E-02	-2.4821823E-03
55	1.0084651E-02	-2.4502949E-03
56	9.5981332E-03	-2.4141770E-03
57	9.1192616E-03	-2.3738438E-03
58	8.6488658E-03	-2.3294585E-03
59	8.1877298E-03	-2.2812989E-03
60	7.7365763E-03	-2.2296890E-03
61	7.2960620E-03	-2.1749630E-03
62	6.8667758E-03	-2.1174659E-03
63	6.4492366E-03	-2.0575540E-03
64	6.0438907E-03	-1.9955944E-03
65	5.6511101E-03	-1.9319658E-03
66	5.2711897E-03	-1.8670581E-03
67	4.9043463E-03	-1.8012589E-03
68	4.5507169E-03	-1.7349984E-03
69	4.2103449E-03	-1.6687688E-03
70	3.8831729E-03	-1.6030857E-03
71	3.5690383E-03	-1.5384875E-03
72	3.2676685E-03	-1.4755309E-03
73	2.9786933E-03	-1.4147791E-03
74	2.7015879E-03	-1.3567800E-03
75	2.4357637E-03	-1.3020443E-03
76	2.1805248E-03	-1.2509895E-03
77	1.9351007E-03	-1.2039430E-03
78	1.6986643E-03	-1.1611458E-03
79	1.4703486E-03	-1.1227555E-03
80	1.2492631E-03	-1.0888499E-03
81	1.0345096E-03	-1.0594294E-03
82	8.2519731E-04	-1.0344197E-03
83	6.2045759E-04	-1.0136725E-03
84	4.1945877E-04	-9.9696851E-04
85	2.2141003E-04	-9.8401882E-04
86	2.5614711E-05	-9.7446827E-04
87	-1.6857560E-04	-9.6789245E-04
88	-3.6170790E-04	-9.6380104E-04
89	-5.5422454E-04	-9.6163756E-04
90	-7.4645080E-04	-9.6079222E-04
91	-9.3858633E-04	-9.6062040E-04

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+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:00:06                                            |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      6.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.3040	-3.2936E-02	10.00	3.040	10.00	16.00	ACTIVE	0.000	0.000	0.000	1.000	1.000
3.040	0.000	0.000	Strato1_2_8_L_0									
2 D	0.6575	-3.2580E-02	10.81	3.288	10.81	16.18	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
3.288	0.000	0.000	Strato1_2_8_L_0									
3 D	1.910	-3.2223E-02	31.41	9.550	31.41	25.36	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
9.550	0.000	0.000	Strato1_2_8_L_0									
4 D	2.005	-3.1867E-02	32.97	10.02	32.97	25.88	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
10.02	0.000	0.000	Strato1_2_8_L_0									
5 D	2.751	-3.1510E-02	45.25	13.76	45.25	31.27	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
13.76	0.000	0.000	Strato1_2_8_L_0									
6 D	2.841	-3.1154E-02	46.73	14.21	46.73	31.75	ACTIVE	0.000	-1.000	0.000	1.000	1.000
14.21	0.000	0.000	Strato1_2_8_L_0									
7 D	3.396	-3.0797E-02	55.86	16.98	55.86	35.71	ACTIVE	0.000	-1.200	0.000	1.000	1.000
16.98	0.000	0.000	Strato1_2_8_L_0									
8 D	3.502	-3.0441E-02	57.60	17.51	57.60	36.30	ACTIVE	0.000	-1.400	0.000	1.000	1.000
17.51	0.000	0.000	Strato1_2_8_L_0									
9 D	3.925	-3.0086E-02	64.56	19.63	64.56	39.26	ACTIVE	0.000	-1.600	0.000	1.000	1.000
19.63	0.000	0.000	Strato1_2_8_L_0									
10 D	4.070	-2.9731E-02	66.63	20.35	66.63	39.99	UL-RL	8488.	-1.800	0.000	1.000	1.000
20.35	0.000	0.000	Strato1_2_8_L_0									
11 D	4.657	-2.9377E-02	73.46	23.28	73.46	42.88	UL-RL	8488.	-2.000	0.000	1.000	1.000
23.28	0.000	0.000	Strato1_2_8_L_0									
12 D	4.965	-2.9023E-02	75.72	24.82	75.72	43.68	UL-RL	8488.	-2.200	0.000	1.000	1.000
24.82	0.000	0.000	Strato1_2_8_L_0									
13 D	5.517	-2.8671E-02	81.98	27.58	81.98	46.28	UL-RL	8488.	-2.400	0.000	1.000	1.000
27.58	0.000	0.000	Strato1_2_8_L_0									
14 D	5.834	-2.8321E-02	84.40	29.17	84.40	47.12	UL-RL	8488.	-2.600	0.000	1.000	1.000
29.17	0.000	0.000	Strato1_2_8_L_0									
15 D	6.362	-2.7973E-02	90.27	31.81	90.27	49.51	UL-RL	8488.	-2.800	0.000	1.000	1.000
31.81	0.000	0.000	Strato1_2_8_L_0									
16 D	6.665	-2.7627E-02	92.44	33.33	92.44	50.19	UL-RL	8488.	-3.000	0.000	1.000	1.000
33.33	0.000	0.000	Strato1_2_8_L_0									
17 D	7.177	-2.7283E-02	98.05	35.88	98.05	52.41	UL-RL	8488.	-3.200	0.000	1.000	1.000
35.88	0.000	0.000	Strato1_2_8_L_0									
18 D	7.510	-2.6942E-02	100.7	37.55	100.7	53.39	UL-RL	8488.	-3.400	0.000	1.000	1.000
37.55	0.000	0.000	Strato1_2_8_L_0									
19 D	8.007	-2.6600E-02	106.1	40.04	106.1	56.24	UL-RL	8488.	-3.600	0.000	1.000	1.000
40.04	0.000	0.000	Strato1_2_8_L_0									
20 D	8.345	-2.6257E-02	108.9	41.73	108.9	57.70	UL-RL	8488.	-3.800	0.000	1.000	1.000
41.73	0.000	0.000	Strato1_2_8_L_0									
21 D	8.831	-2.5911E-02	114.1	44.15	114.1	60.46	UL-RL	8488.	-4.000	0.000	1.000	1.000
44.15	0.000	0.000	Strato1_2_8_L_0									
22 D	9.172	-2.5561E-02	116.9	45.86	116.9	61.97	UL-RL	8488.	-4.200	0.000	1.000	1.000
45.86	0.000	0.000	Strato1_2_8_L_0									
23 D	9.647	-2.5207E-02	122.0	48.24	122.0	64.66	UL-RL	8488.	-4.400	0.000	1.000	1.000
48.24	0.000	0.000	Strato1_2_8_L_0									
24 D	9.976	-2.4846E-02	124.7	49.88	124.7	66.07	UL-RL	8488.	-4.600	0.000	1.000	1.000
49.88	0.000	0.000	Strato1_2_8_L_0									
25 D	10.44	-2.4479E-02	129.6	52.21	129.6	68.70	UL-RL	8488.	-4.800	0.000	1.000	1.000
52.21	0.000	0.000	Strato1_2_8_L_0									
26 D	10.79	-2.4104E-02	132.6	53.93	132.6	70.28	UL-RL	8488.	-5.000	0.000	1.000	1.000
53.93	0.000	0.000	Strato1_2_8_L_0									
27 D	11.24	-2.3721E-02	137.5	56.20	137.5	72.85	UL-RL	8488.	-5.200	0.000	1.000	1.000
56.20	0.000	0.000	Strato1_2_8_L_0									
28 D	11.58	-2.3328E-02	140.5	57.91	140.5	74.46	UL-RL	8488.	-5.400	0.000	1.000	1.000
57.91	0.000	0.000	Strato1_2_8_L_0									
29 D	12.03	-2.2926E-02	145.3	60.14	145.3	76.99	UL-RL	8488.	-5.600	0.000	1.000	1.000
60.14	0.000	0.000	Strato1_2_8_L_0									
30 D	12.36	-2.2513E-02	148.3	61.82	148.3	78.62	UL-RL	8488.	-5.800	0.000	1.000	1.000
61.82	0.000	0.000	Strato1_2_8_L_0									
31 D	12.79	-2.2091E-02	152.9	63.93	152.9	81.02	UL-RL	8488.	-6.000	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
32 D	13.12	-2.1658E-02	156.0	65.59	156.0	82.67	UL-RL	8488.	-6.200	0.000	1.000	1.000
65.59	0.000	0.000	Strato1_2_8_L_0									
33 D	13.54	-2.1214E-02	160.6	67.68	160.6	85.14	UL-RL	8488.	-6.400	0.000	1.000	1.000
67.68	0.000	0.000	Strato1_2_8_L_0									
34 D	13.86	-2.0759E-02	163.8	69.29	163.8	86.81	UL-RL	8488.	-6.600	0.000	1.000	1.000
69.29	0.000	0.000	Strato1_2_8_L_0									
35 D	14.26	-2.0294E-02	168.4	71.30	168.4	89.25	UL-RL	8488.	-6.800	0.000	1.000	1.000
71.30	0.000	0.000	Strato1_2_8_L_0									
36 D	14.57	-1.9819E-02	171.6	72.84	171.6	90.94	UL-RL	8488.	-7.000	0.000	1.000	1.000
72.84	0.000	0.000	Strato1_2_8_L_0									
37 D	14.95	-1.9335E-02	176.1	74.75	176.1	93.35	UL-RL	8488.	-7.200	0.000	1.000	1.000
74.75	0.000	0.000	Strato1_2_8_L_0									
38 D	15.24	-1.8841E-02	179.3	76.21	179.3	95.05	UL-RL	8488.	-7.400	0.000	1.000	1.000
76.21	0.000	0.000	Strato1_2_8_L_0									
39 D	15.59	-1.8339E-02	183.7	77.96	183.7	97.36	UL-RL	8488.	-7.600	0.000	1.000	1.000
77.96	0.000	0.000	Strato1_2_8_L_0									
40 D	15.86	-1.7830E-02	186.9	79.32	186.9	99.08	UL-RL	8488.	-7.800	0.000	1.000	1.000
79.32	0.000	0.000	Strato1_2_8_L_0									
41 D	16.20	-1.7314E-02	191.4	80.98	191.4	101.5	UL-RL	8488.	-8.000	0.000	1.000	1.000

80.98	0.000	0.000	Strato1_2_8_L_0									
42 D	16.44	-1.6793E-02	194.7	82.20	194.7	103.2	UL-RL	8488.	-8.200	0.000	1.000	1.000
82.20	0.000	0.000	Strato1_2_8_L_0									
43 D	16.74	-1.6268E-02	199.1	83.70	199.1	105.5	UL-RL	8488.	-8.400	0.000	1.000	1.000
83.70	0.000	0.000	Strato1_2_8_L_0									
44 D	16.95	-1.5740E-02	202.4	84.76	202.4	107.3	UL-RL	8488.	-8.600	0.000	1.000	1.000
84.76	0.000	0.000	Strato1_2_8_L_0									
45 D	17.21	-1.5212E-02	206.8	86.07	206.8	109.6	UL-RL	8488.	-8.800	0.000	1.000	1.000
86.07	0.000	0.000	Strato1_2_8_L_0									
46 D	17.38	-1.4685E-02	210.0	86.91	210.0	111.3	UL-RL	8488.	-9.000	0.000	1.000	1.000
86.91	0.000	0.000	Strato1_2_8_L_0									
47 D	17.60	-1.4160E-02	214.4	88.00	214.4	113.6	UL-RL	8488.	-9.200	0.000	1.000	1.000
88.00	0.000	0.000	Strato1_2_8_L_0									
48 D	17.74	-1.3638E-02	217.7	88.68	217.7	115.4	UL-RL	8488.	-9.400	0.000	1.000	1.000
88.68	0.000	0.000	Strato1_2_8_L_0									
49 D	17.92	-1.3119E-02	222.1	89.58	222.1	117.7	UL-RL	8488.	-9.600	0.000	1.000	1.000
89.58	0.000	0.000	Strato1_2_8_L_0									
50 D	18.02	-1.2603E-02	225.4	90.09	225.4	119.5	UL-RL	8488.	-9.800	0.000	1.000	1.000
90.09	0.000	0.000	Strato1_2_8_L_0									
51 D	18.17	-1.2091E-02	229.8	90.84	229.8	121.8	UL-RL	8488.	-10.00	0.000	1.000	1.000
90.84	0.000	0.000	Strato1_2_8_L_0									
52 D	18.25	-1.1582E-02	233.1	91.23	233.1	123.6	UL-RL	8488.	-10.20	0.000	1.000	1.000
91.23	0.000	0.000	Strato1_2_8_L_0									
53 D	18.37	-1.1077E-02	237.4	91.86	237.4	125.8	UL-RL	8488.	-10.40	0.000	1.000	1.000
91.86	0.000	0.000	Strato1_2_8_L_0									
54 D	18.43	-1.0578E-02	240.7	92.13	240.7	127.6	UL-RL	8488.	-10.60	0.000	1.000	1.000
92.13	0.000	0.000	Strato1_2_8_L_0									
55 D	18.54	-1.0085E-02	245.0	92.68	245.0	129.8	UL-RL	8488.	-10.80	0.000	1.000	1.000
92.68	0.000	0.000	Strato1_2_8_L_0									
56 D	18.58	-9.5981E-03	248.4	92.92	248.4	131.6	UL-RL	8488.	-11.00	0.000	1.000	1.000
92.92	0.000	0.000	Strato1_2_8_L_0									
57 D	18.68	-9.1193E-03	252.7	93.41	252.7	133.9	UL-RL	8488.	-11.20	0.000	1.000	1.000
93.41	0.000	0.000	Strato1_2_8_L_0									
58 D	18.72	-8.6489E-03	256.1	93.62	256.1	135.7	UL-RL	8488.	-11.40	0.000	1.000	1.000
93.62	0.000	0.000	Strato1_2_8_L_0									
59 D	18.82	-8.1877E-03	260.3	94.08	260.3	138.0	UL-RL	8488.	-11.60	0.000	1.000	1.000
94.08	0.000	0.000	Strato1_2_8_L_0									
60 D	18.86	-7.7366E-03	263.7	94.28	263.7	139.8	UL-RL	8488.	-11.80	0.000	1.000	1.000
94.28	0.000	0.000	Strato1_2_8_L_0									
61 D	18.94	-7.2961E-03	267.9	94.69	267.9	142.0	UL-RL	8488.	-12.00	0.000	1.000	1.000
94.69	0.000	0.000	Strato1_2_8_L_0									
62 D	18.98	-6.8668E-03	271.3	94.90	271.3	143.8	UL-RL	8488.	-12.20	0.000	1.000	1.000
94.90	0.000	0.000	Strato1_2_8_L_0									
63 D	19.07	-6.4492E-03	275.5	95.35	275.5	146.0	UL-RL	8488.	-12.40	0.000	1.000	1.000
95.35	0.000	0.000	Strato1_2_8_L_0									
64 D	19.11	-6.0439E-03	279.0	95.57	279.0	147.9	UL-RL	8488.	-12.60	0.000	1.000	1.000
95.57	0.000	0.000	Strato1_2_8_L_0									
65 D	19.21	-5.6511E-03	283.2	96.04	283.2	150.1	UL-RL	8488.	-12.80	0.000	1.000	1.000
96.04	0.000	0.000	Strato1_2_8_L_0									
66 D	19.84	-5.2712E-03	286.7	99.18	286.7	151.9	UL-RL	8488.	-13.00	0.000	1.000	1.000
99.18	0.000	0.000	Strato1_2_8_L_0									
67 D	14.53	-4.9043E-03	291.0	72.65	291.0	145.5	UL-RL	2.4012E+04	-13.20	0.000	1.000	1.000
72.65	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.27	-4.5507E-03	294.6	71.37	294.6	147.3	UL-RL	2.4012E+04	-13.40	0.000	1.000	1.000
71.37	0.000	0.000	Strato2_3095_82743_L_0									
69 D	14.06	-4.2103E-03	298.9	70.30	298.9	149.5	UL-RL	2.4012E+04	-13.60	0.000	1.000	1.000
70.30	0.000	0.000	Strato2_3095_82743_L_0									
70 D	13.83	-3.8832E-03	302.6	69.15	302.6	151.3	UL-RL	2.4012E+04	-13.80	0.000	1.000	1.000
69.15	0.000	0.000	Strato2_3095_82743_L_0									
71 D	13.65	-3.5690E-03	307.0	68.23	307.0	153.5	UL-RL	2.4012E+04	-14.00	0.000	1.000	1.000
68.23	0.000	0.000	Strato2_3095_82743_L_0									
72 D	13.44	-3.2677E-03	310.7	67.22	310.7	155.3	UL-RL	2.4012E+04	-14.20	0.000	1.000	1.000
67.22	0.000	0.000	Strato2_3095_82743_L_0									
73 D	13.29	-2.9787E-03	315.0	66.43	315.0	157.5	UL-RL	2.4012E+04	-14.40	0.000	1.000	1.000
66.43	0.000	0.000	Strato2_3095_82743_L_0									
74 D	14.84	-2.7016E-03	318.7	74.20	318.7	159.4	UL-RL	2.4012E+04	-14.60	0.000	1.000	1.000
74.20	0.000	0.000	Strato2_3095_82743_L_0									
75 D	16.58	-2.4358E-03	323.1	82.89	323.1	161.5	UL-RL	2.4012E+04	-14.80	0.000	1.000	1.000
82.89	0.000	0.000	Strato2_3095_82743_L_0									
76 D	18.19	-2.1805E-03	326.7	90.94	326.7	163.3	UL-RL	2.4012E+04	-15.00	0.000	1.000	1.000
90.94	0.000	0.000	Strato2_3095_82743_L_0									
77 D	19.82	-1.9351E-03	331.0	99.09	331.0	165.5	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000
99.09	0.000	0.000	Strato2_3095_82743_L_0									
78 D	21.34	-1.6987E-03	334.7	106.7	334.7	167.4	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000
106.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	22.87	-1.4703E-03	339.1	114.4	339.1	169.5	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000
114.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	24.31	-1.2493E-03	342.8	121.5	342.8	171.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000
121.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	25.77	-1.0345E-03	347.1	128.9	347.1	173.6	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000
128.9	0.000	0.000	Strato2_3095_82743_L_0									
82 D	27.21	-8.2520E-04	351.4	136.0	351.4	175.7	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000
136.0	0.000	0.000	Strato2_3095_82743_L_0									
83 D	28.56	-6.2046E-04	355.1	142.8	355.1	177.6	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000
142.8	0.000	0.000	Strato2_3095_82743_L_0									

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  84 D   29.94      -4.1946E-04   359.4        149.7        359.4        179.7              UL-RL  2.4012E+04  -16.60         0.000         1.000         1.000
149.7        0.000        0.000     Strato2_3095_82743_L_0
  85 D   31.25      -2.2141E-04   363.1        156.3        363.1        181.6              UL-RL  2.4012E+04  -16.80         0.000         1.000         1.000
156.3        0.000        0.000     Strato2_3095_82743_L_0
  86 D   32.62      -2.5615E-05   367.4        163.1        367.4        183.7              UL-RL  2.4012E+04  -17.00         0.000         1.000         1.000
163.1        0.000        0.000     Strato2_3095_82743_L_0
  87 D   33.91       1.6858E-04   371.1        169.6        371.1        185.6              UL-RL  2.4012E+04  -17.20         0.000         1.000         1.000
169.6        0.000        0.000     Strato2_3095_82743_L_0
  88 D   35.26       3.6171E-04   375.4        176.3        375.4        187.7              UL-RL  2.4012E+04  -17.40         0.000         1.000         1.000
176.3        0.000        0.000     Strato2_3095_82743_L_0
  89 D   36.01       5.5422E-04   379.2        180.1        379.2        190.9              UL-RL  2.4012E+04  -17.60         0.000         1.000         1.000
180.1        0.000        0.000     Strato2_3095_82743_L_0
  90 D   36.58       7.4645E-04   383.5        182.9        383.5        195.0              UL-RL  2.4012E+04  -17.80         0.000         1.000         1.000
182.9        0.000        0.000     Strato2_3095_82743_L_0
  91 D   18.54       9.3859E-04   387.1        185.4        387.1        198.8              UL-RL  2.4012E+04  -18.00         0.000         1.000         1.000
185.4        0.000        0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)    NLS ENGINE RELEASE   2017.1     FULL VERSION   *Build date:Jul 11, 2017*         |
 |                                                                                                                       |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                                      |
 |                                   Exe Time :29 July 2019       18:00:06                                               |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                     :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P      MAX-V-P      MAX-H-P            STATE   STIFFNESS Z-LEVEL        PORE         E FACTOR      UFACTOR
Peq            Su_a         Su_p      LAYER
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----------------------------------------------------------------------
   1     0.000        --          --          --           --           --           REMOVED     --        0.000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   2     0.000        --          --          --           --           --           REMOVED     --      -0.2000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   3     0.000        --          --          --           --           --           REMOVED     --      -0.4000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   4     0.000        --          --          --           --           --           REMOVED     --      -0.6000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   5     0.000        --          --          --           --           --           REMOVED     --      -0.8000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   6     0.000        --          --          --           --           --           REMOVED     --       -1.000       0.000         1.000         1.000
0.000        0.000        0.000    not available
   7     0.000        --          --          --           --           --           REMOVED     --       -1.200       0.000         1.000         1.000
0.000        0.000        0.000    not available
   8     0.000        --          --          --           --           --           REMOVED     --       -1.400       0.000         1.000         1.000
0.000        0.000        0.000    not available
   9     0.000        --          --          --           --           --           REMOVED     --       -1.600       0.000         1.000         1.000
0.000        0.000        0.000    not available
  10     0.000        --          --          --           --           --           REMOVED     --       -1.800       0.000         1.000         1.000
0.000        0.000        0.000    not available
  11     0.000        --          --          --           --           --           REMOVED     --       -2.000       0.000         1.000         1.000
0.000        0.000        0.000    not available
  12     0.000        --          --          --           --           --           REMOVED     --       -2.200       0.000         1.000         1.000
0.000        0.000        0.000    not available
  13     0.000        --          --          --           --           --           REMOVED     --       -2.400       0.000         1.000         1.000
0.000        0.000        0.000    not available
  14     0.000        --          --          --           --           --           REMOVED     --       -2.600       0.000         1.000         1.000
0.000        0.000        0.000    not available
  15     0.000        --          --          --           --           --           REMOVED     --       -2.800       0.000         1.000         1.000
0.000        0.000        0.000    not available
  16     0.000        --          --          --           --           --           REMOVED     --       -3.000       0.000         1.000         1.000
0.000        0.000        0.000    not available
  17     0.000        --          --          --           --           --           REMOVED     --       -3.200       0.000         1.000         1.000
0.000        0.000        0.000    not available
  18     0.000        --          --          --           --           --           REMOVED     --       -3.400       0.000         1.000         1.000
0.000        0.000        0.000    not available
  19     0.000        --          --          --           --           --           REMOVED     --       -3.600       0.000         1.000         1.000
0.000        0.000        0.000    not available
  20     0.000        --          --          --           --           --           REMOVED     --       -3.800       0.000         1.000         1.000
0.000        0.000        0.000    not available
  21     0.000        --          --          --           --           --           REMOVED     --       -4.000       0.000         1.000         1.000
0.000        0.000        0.000    not available
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22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49 D	0.1155	1.3119E-02	1.900	0.5776	182.4	100.6	ACTIVE	0.000	-9.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
50 D	1.438	1.2603E-02	5.700	7.188	186.2	102.4	UL-RL	6237.	-9.800	0.000	1.000	1.000	7.188	0.000	0.000	Strato1_2_8_L_0
51 D	4.593	1.2091E-02	9.500	22.96	190.0	104.4	UL-RL	6237.	-10.00	0.000	1.000	1.000	22.96	0.000	0.000	Strato1_2_8_L_0
52 D	7.756	1.1582E-02	13.30	38.78	193.8	106.3	UL-RL	6237.	-10.20	0.000	1.000	1.000	38.78	0.000	0.000	Strato1_2_8_L_0
53 D	10.93	1.1077E-02	17.10	54.64	197.6	108.3	UL-RL	6237.	-10.40	0.000	1.000	1.000	54.64	0.000	0.000	Strato1_2_8_L_0
54 D	14.11	1.0578E-02	20.90	70.53	201.4	110.2	UL-RL	6237.	-10.60	0.000	1.000	1.000	70.53	0.000	0.000	Strato1_2_8_L_0
55 D	17.29	1.0085E-02	24.70	86.44	205.2	112.2	UL-RL	6237.	-10.80	0.000	1.000	1.000	86.44	0.000	0.000	Strato1_2_8_L_0
56 D	20.47	9.5981E-03	28.50	102.4	209.0	115.2	UL-RL	6237.	-11.00	0.000	1.000	1.000	102.4	0.000	0.000	Strato1_2_8_L_0
57 D	23.66	9.1193E-03	32.30	118.3	212.8	130.5	UL-RL	6237.	-11.20	0.000	1.000	1.000	118.3	0.000	0.000	Strato1_2_8_L_0
58 D	25.45	8.6489E-03	36.10	127.3	216.6	138.8	UL-RL	6237.	-11.40	0.000	1.000	1.000	127.3	0.000	0.000	Strato1_2_8_L_0
59 D	25.73	8.1877E-03	39.90	128.7	220.4	139.6	UL-RL	6237.	-11.60	0.000	1.000	1.000	128.7	0.000	0.000	Strato1_2_8_L_0
60 D	26.02	7.7366E-03	43.70	130.1	224.2	140.5	UL-RL	6237.	-11.80	0.000	1.000	1.000	130.1	0.000	0.000	Strato1_2_8_L_0
61 D	26.31	7.2961E-03	47.50	131.6	228.0	141.3	UL-RL	6237.	-12.00	0.000	1.000	1.000	131.6	0.000	0.000	Strato1_2_8_L_0
62 D	26.61	6.8668E-03	51.30	133.0	231.8	142.2	UL-RL	6237.	-12.20	0.000	1.000	1.000	133.0	0.000	0.000	Strato1_2_8_L_0
63 D	26.91	6.4492E-03	55.10	134.6	235.6	143.1	UL-RL	6237.	-12.40	0.000	1.000	1.000	134.6	0.000	0.000	Strato1_2_8_L_0
64 D	27.22	6.0439E-03	58.90	136.1	239.4	144.0	UL-RL	6237.	-12.60	0.000	1.000	1.000				

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136.1       0.000       0.000     Strato1_2_8_L_0
  65 D   27.53      5.6511E-03   62.70       137.6       243.2       144.9          UL-RL   6237.      -12.80       0.000       1.000       1.000
137.6       0.000       0.000     Strato1_2_8_L_0
  66 D   27.84      5.2712E-03   66.50       139.2       247.0       145.9          UL-RL   6237.      -13.00       0.000       1.000       1.000
139.2       0.000       0.000     Strato1_2_8_L_0
  67 D   24.64      4.9043E-03   70.40       123.2       250.9       136.8          UL-RL  1.3780E+04  -13.20       0.000       1.000       1.000
123.2       0.000       0.000     Strato2_3095_82743_L_0
  68 D   24.89      4.5507E-03   74.40       124.5       254.9       136.8          UL-RL  1.3780E+04  -13.40       0.000       1.000       1.000
124.5       0.000       0.000     Strato2_3095_82743_L_0
  69 D   25.15      4.2103E-03   78.40       125.8       258.9       136.9          UL-RL  1.3780E+04  -13.60       0.000       1.000       1.000
125.8       0.000       0.000     Strato2_3095_82743_L_0
  70 D   25.42      3.8832E-03   82.40       127.1       262.9       137.1          UL-RL  1.3780E+04  -13.80       0.000       1.000       1.000
127.1       0.000       0.000     Strato2_3095_82743_L_0
  71 D   25.50      3.5690E-03   86.40       127.5       266.9       137.8          UL-RL  1.3780E+04  -14.00       0.000       1.000       1.000
127.5       0.000       0.000     Strato2_3095_82743_L_0
  72 D   25.18      3.2677E-03   90.40       125.9       270.9       139.6          UL-RL  1.3780E+04  -14.20       0.000       1.000       1.000
125.9       0.000       0.000     Strato2_3095_82743_L_0
  73 D   24.89      2.9787E-03   94.40       124.4       274.9       141.5          UL-RL  1.3780E+04  -14.40       0.000       1.000       1.000
124.4       0.000       0.000     Strato2_3095_82743_L_0
  74 D   24.62      2.7016E-03   98.40       123.1       278.9       143.3          UL-RL  1.3780E+04  -14.60       0.000       1.000       1.000
123.1       0.000       0.000     Strato2_3095_82743_L_0
  75 D   24.38      2.4358E-03   102.4       121.9       282.9       145.2          UL-RL  1.3780E+04  -14.80       0.000       1.000       1.000
121.9       0.000       0.000     Strato2_3095_82743_L_0
  76 D   24.17      2.1805E-03   106.4       120.9       286.9       147.0          UL-RL  1.3780E+04  -15.00       0.000       1.000       1.000
120.9       0.000       0.000     Strato2_3095_82743_L_0
  77 D   23.98      1.9351E-03   110.4       119.9       290.9       148.9          UL-RL  1.3780E+04  -15.20       0.000       1.000       1.000
119.9       0.000       0.000     Strato2_3095_82743_L_0
  78 D   23.82      1.6987E-03   114.4       119.1       294.9       150.8          UL-RL  1.3780E+04  -15.40       0.000       1.000       1.000
119.1       0.000       0.000     Strato2_3095_82743_L_0
  79 D   23.67      1.4703E-03   118.4       118.3       298.9       152.7          UL-RL  1.3780E+04  -15.60       0.000       1.000       1.000
118.3       0.000       0.000     Strato2_3095_82743_L_0
  80 D   23.53      1.2493E-03   122.4       117.7       302.9       154.6          UL-RL  1.3780E+04  -15.80       0.000       1.000       1.000
117.7       0.000       0.000     Strato2_3095_82743_L_0
  81 D   23.42      1.0345E-03   126.4       117.1       306.9       156.5          UL-RL  1.3780E+04  -16.00       0.000       1.000       1.000
117.1       0.000       0.000     Strato2_3095_82743_L_0
  82 D   23.31      8.2520E-04   130.4       116.6       310.9       158.5          UL-RL  1.3780E+04  -16.20       0.000       1.000       1.000
116.6       0.000       0.000     Strato2_3095_82743_L_0
  83 D   23.22      6.2046E-04   134.4       116.1       314.9       160.4          UL-RL  1.3780E+04  -16.40       0.000       1.000       1.000
116.1       0.000       0.000     Strato2_3095_82743_L_0
  84 D   23.13      4.1946E-04   138.4       115.7       318.9       162.3          UL-RL  1.3780E+04  -16.60       0.000       1.000       1.000
115.7       0.000       0.000     Strato2_3095_82743_L_0
  85 D   23.05      2.2141E-04   142.4       115.2       322.9       164.2          UL-RL  1.3780E+04  -16.80       0.000       1.000       1.000
115.2       0.000       0.000     Strato2_3095_82743_L_0
  86 D   22.97      2.5615E-05   146.4       114.9       326.9       166.2          UL-RL  1.3780E+04  -17.00       0.000       1.000       1.000
114.9       0.000       0.000     Strato2_3095_82743_L_0
  87 D   22.90     -1.6858E-04   150.4       114.5       330.9       168.1          UL-RL  1.3780E+04  -17.20       0.000       1.000       1.000
114.5       0.000       0.000     Strato2_3095_82743_L_0
  88 D   22.83     -3.6171E-04   154.4       114.1       334.9       170.1          UL-RL  1.3780E+04  -17.40       0.000       1.000       1.000
114.1       0.000       0.000     Strato2_3095_82743_L_0
  89 D   22.76     -5.5422E-04   158.4       113.8       338.9       172.0          UL-RL  1.3780E+04  -17.60       0.000       1.000       1.000
113.8       0.000       0.000     Strato2_3095_82743_L_0
  90 D   22.68     -7.4645E-04   162.4       113.4       342.9       173.9          UL-RL  1.3780E+04  -17.80       0.000       1.000       1.000
113.4       0.000       0.000     Strato2_3095_82743_L_0
  91 D   11.31     -9.3859E-04   166.4       113.1       346.9       175.9          UL-RL  1.3780E+04  -18.00       0.000       1.000       1.000
113.1       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                                              |
 |                                  Exe Time :29 July 2019      18:00:06                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                 :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S      6.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------
     1 0.30400    -0.30400    -3.97074E-10 6.08000E-02
     2 0.96154    -0.96154    -6.08000E-02 0.25311
     3  2.8715     -2.8715    -0.25311     0.82740
     4  4.8761     -4.8761    -0.82740      1.8026
     5  7.6275     -7.6275     -1.8026      3.3281
     6  10.469     -10.469     -3.3281      5.4219
     7  13.865     -13.865     -5.4219      8.1948
```

8	17.367	-17.367	-8.1948	11.668
9	21.292	-21.292	-11.668	15.927
10	25.362	-25.362	-15.927	20.999
11	30.019	-30.019	-20.999	27.003
12	34.984	-34.984	-27.003	34.000
13	40.501	-40.501	-34.000	42.100
14	46.335	-46.335	-42.100	51.367
15	52.697	-52.697	-51.367	61.906
16	-157.40	157.40	-61.906	30.426
17	-150.22	150.22	-30.426	0.38166
18	-142.71	142.71	-0.38166	-28.161
19	-134.71	134.71	28.161	-55.102
20	-126.36	126.36	55.102	-80.374
21	-117.53	117.53	80.374	-103.88
22	-108.36	108.36	103.88	-125.55
23	-98.710	98.710	125.55	-145.29
24	-88.735	88.735	145.29	-163.04
25	-78.293	78.293	163.04	-178.70
26	-67.508	67.508	178.70	-192.20
27	-56.267	56.267	192.20	-203.45
28	-44.685	44.685	203.45	-212.39
29	-32.658	32.658	212.39	-218.92
30	-20.293	20.293	218.92	-222.98
31	-7.5069	7.5069	222.98	-224.48
32	5.6104	-5.6104	224.48	-223.36
33	19.146	-19.146	223.36	-219.53
34	33.004	-33.004	219.53	-212.93
35	47.264	-47.264	212.93	-203.48
36	61.832	-61.832	203.48	-191.11
37	76.783	-76.783	191.11	-175.75
38	92.026	-92.026	175.75	-157.35
39	107.62	-107.62	157.35	-135.83
40	123.48	-123.48	135.83	-111.13
41	139.68	-139.68	111.13	-83.193
42	156.12	-156.12	83.193	-51.970
43	172.86	-172.86	51.970	-17.398
44	189.81	-189.81	17.398	20.564
45	207.03	-207.03	-20.564	61.970
46	-17.075	17.075	-61.970	58.555
47	0.52592	-0.52592	-58.555	58.660
48	18.262	-18.262	-58.660	62.312
49	36.062	-36.062	-62.312	69.525
50	52.643	-52.643	-69.525	80.054
51	66.219	-66.219	-80.054	93.297
52	76.709	-76.709	-93.297	108.64
53	84.154	-84.154	-108.64	125.47
54	88.476	-88.476	-125.47	143.17
55	89.724	-89.724	-143.17	161.11
56	87.835	-87.835	-161.11	178.68
57	82.853	-82.853	-178.68	195.25
58	76.127	-76.127	-195.25	210.47
59	69.211	-69.211	-210.47	224.32
60	62.047	-62.047	-224.32	236.72
61	54.675	-54.675	-236.72	247.66
62	47.046	-47.046	-247.66	257.07
63	39.204	-39.204	-257.07	264.91
64	31.101	-31.101	-264.91	271.13
65	22.780	-22.780	-271.13	275.69
66	14.772	-14.772	-275.69	278.64
67	4.6590	-4.6590	-278.64	279.57
68	-5.9621	5.9621	-279.57	278.38
69	-17.056	17.056	-278.38	274.97
70	-28.646	28.646	-274.97	269.24
71	-40.503	40.503	-269.24	261.14
72	-52.240	52.240	-261.14	250.69
73	-63.840	63.840	-250.69	237.92
74	-73.623	73.623	-237.92	223.20
75	-81.428	81.428	-223.20	206.91
76	-87.411	87.411	-206.91	189.43
77	-91.576	91.576	-189.43	171.12
78	-94.056	94.056	-171.12	152.30
79	-94.850	94.850	-152.30	133.33
80	-94.076	94.076	-133.33	114.52
81	-91.720	91.720	-114.52	96.175
82	-87.826	87.826	-96.175	78.610
83	-82.486	82.486	-78.610	62.113
84	-75.677	75.677	-62.113	46.977
85	-67.473	67.473	-46.977	33.482
86	-57.830	57.830	-33.482	21.916
87	-46.819	46.819	-21.916	12.552
88	-34.390	34.390	-12.552	5.6741
89	-21.133	21.133	-5.6741	1.4475
90	-7.2374	7.2374	-1.4475	-3.33844E-13

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                   Exe Time :29 July 2019      18:00:06                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   224.41     -1.08357E-03  2.00579E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                   Exe Time :29 July 2019      18:00:06                                                        |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   250.00     -2.62486E-03 -2.62486E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 9331.     REMNOR=0.1960E-17 RATIO =0.8647E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.8647E-01 RATIOR= 0.000
           MAX UN= 27.84     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.7246E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 778.8     REMNOR=0.1727E-17 RATIO =0.2498E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.2498E-01 RATIOR= 0.000
           MAX UN= 13.70     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.5833E-08 IEQ=    79 NODE     40 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 59.81     REMNOR=0.2949E-17 RATIO =0.6923E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.6923E-02 RATIOR= 0.000
           MAX UN= 3.825     IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.7588E-08 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM=0.8368     REMNOR=0.2489E-17 RATIO =0.8188E-03 TOLER =0.1000E-03  NOT CONVERGED
```

```
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.8188E-03 RATIOR= 0.000
           MAX UN=0.5908     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.5558E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM=0.4682E-02 REMNOR=0.2840E-17 RATIO =0.6125E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.6125E-04 RATIOR= 0.000
           MAX UN=0.6843E-01 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.5401E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   3.1539591E-02  -1.2277752E-03
    2   3.1294039E-02  -1.2277399E-03
    3   3.1048505E-02  -1.2275663E-03
    4   3.0803032E-02  -1.2270945E-03
    5   3.0557699E-02  -1.2261413E-03
    6   3.0312621E-02  -1.2245125E-03
    7   3.0067953E-02  -1.2220030E-03
    8   2.9823892E-02  -1.2184014E-03
    9   2.9580679E-02  -1.2134898E-03
   10   2.9338598E-02  -1.2070466E-03
   11   2.9097978E-02  -1.1988456E-03
   12   2.8859193E-02  -1.1886529E-03
   13   2.8622666E-02  -1.1762219E-03
   14   2.8388870E-02  -1.1612955E-03
   15   2.8158332E-02  -1.1436048E-03
   16   2.7931631E-02  -1.1228705E-03
   17   2.7709061E-02  -1.1039759E-03
   18   2.7489594E-02  -1.0917943E-03
   19   2.7271917E-02  -1.0860165E-03
   20   2.7054781E-02  -1.0863232E-03
   21   2.6837004E-02  -1.0923855E-03
   22   2.6617466E-02  -1.1038650E-03
   23   2.6395120E-02  -1.1204143E-03
   24   2.6168987E-02  -1.1416770E-03
   25   2.5938160E-02  -1.1672885E-03
   26   2.5701807E-02  -1.1968764E-03
   27   2.5459170E-02  -1.2300597E-03
   28   2.5209569E-02  -1.2664500E-03
   29   2.4952404E-02  -1.3056477E-03
   30   2.4687152E-02  -1.3472406E-03
   31   2.4413376E-02  -1.3908046E-03
   32   2.4130727E-02  -1.4359052E-03
   33   2.3838942E-02  -1.4820963E-03
   34   2.3537846E-02  -1.5289212E-03
   35   2.3227364E-02  -1.5759111E-03
   36   2.2907504E-02  -1.6225871E-03
   37   2.2578382E-02  -1.6684584E-03
   38   2.2240208E-02  -1.7130229E-03
   39   2.1893295E-02  -1.7557676E-03
   40   2.1538059E-02  -1.7961683E-03
   41   2.1175021E-02  -1.8336905E-03
   42   2.0804811E-02  -1.8677877E-03
   43   2.0428171E-02  -1.8979026E-03
   44   2.0045954E-02  -1.9234670E-03
   45   1.9659129E-02  -1.9439009E-03
   46   1.9268767E-02  -1.9586144E-03
```

47	1.8875670E-02	-1.9733794E-03
48	1.8479028E-02	-1.9939585E-03
49	1.8077742E-02	-2.0197278E-03
50	1.7670835E-02	-2.0500529E-03
51	1.7257460E-02	-2.0842875E-03
52	1.6836901E-02	-2.1217750E-03
53	1.6408576E-02	-2.1618469E-03
54	1.5972035E-02	-2.2038240E-03
55	1.5526965E-02	-2.2470163E-03
56	1.5073194E-02	-2.2907227E-03
57	1.4610689E-02	-2.3342311E-03
58	1.4139563E-02	-2.3768182E-03
59	1.3660073E-02	-2.4177497E-03
60	1.3172623E-02	-2.4562803E-03
61	1.2677771E-02	-2.4916534E-03
62	1.2176224E-02	-2.5231018E-03
63	1.1668844E-02	-2.5498471E-03
64	1.1156651E-02	-2.5711000E-03
65	1.0640823E-02	-2.5860600E-03
66	1.0122701E-02	-2.5939157E-03
67	9.6037855E-03	-2.5938445E-03
68	9.0856998E-03	-2.5857164E-03
69	8.5699911E-03	-2.5702064E-03
70	8.0580511E-03	-2.5481894E-03
71	7.5510849E-03	-2.5206278E-03
72	7.0501061E-03	-2.4884736E-03
73	6.5559635E-03	-2.4526688E-03
74	6.0692452E-03	-2.4141368E-03
75	5.5904296E-03	-2.3737932E-03
76	5.1197887E-03	-2.3325380E-03
77	4.6574161E-03	-2.2912574E-03
78	4.2032293E-03	-2.2508238E-03
79	3.7569740E-03	-2.2120786E-03
80	3.3182328E-03	-2.1758090E-03
81	2.8864402E-03	-2.1426927E-03
82	2.4609113E-03	-2.1132430E-03
83	2.0408755E-03	-2.0878057E-03
84	1.6255094E-03	-2.0665625E-03
85	1.2139492E-03	-2.0495314E-03
86	8.0540483E-04	-2.0365718E-03
87	3.9906925E-04	-2.0273800E-03
88	-5.7675201E-06	-2.0214934E-03
89	-4.0970699E-04	-2.0182900E-03
90	-8.1321119E-04	-2.0170016E-03
91	-1.2165755E-03	-2.0167318E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:00:06                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.490     -3.1540E-02   10.00       14.90       10.00       16.00          UL-RL   8488.       0.000       0.000       1.000       1.000
14.90       0.000       0.000     Strato1_2_8_L_0
   2 D   2.840     -3.1294E-02   10.81       14.20       10.81       16.18          UL-RL   8488.     -0.2000       0.000       1.000       1.000
14.20       0.000       0.000     Strato1_2_8_L_0
   3 D   3.904     -3.1049E-02   31.41       19.52       31.41       25.36          UL-RL   8488.     -0.4000       0.000       1.000       1.000
19.52       0.000       0.000     Strato1_2_8_L_0
   4 D   3.810     -3.0803E-02   32.97       19.05       32.97       25.88          UL-RL   8488.     -0.6000       0.000       1.000       1.000
19.05       0.000       0.000     Strato1_2_8_L_0
   5 D   4.368     -3.0558E-02   45.25       21.84       45.25       31.27          UL-RL   8488.     -0.8000       0.000       1.000       1.000
21.84       0.000       0.000     Strato1_2_8_L_0
   6 D   4.269     -3.0313E-02   46.73       21.35       46.73       31.75          UL-RL   8488.      -1.000       0.000       1.000       1.000
21.35       0.000       0.000     Strato1_2_8_L_0
   7 D   4.635     -3.0068E-02   55.86       23.17       55.86       35.71          UL-RL   8488.      -1.200       0.000       1.000       1.000
```

23.17	0.000	0.000	Strato1_2_8_L_0									
8 D	4.550	-2.9824E-02	57.60	22.75	57.60	36.30	UL-RL	8488.	-1.400	0.000	1.000	1.000
22.75	0.000	0.000	Strato1_2_8_L_0									
9 D	4.783	-2.9581E-02	64.56	23.91	64.56	39.26	UL-RL	8488.	-1.600	0.000	1.000	1.000
23.91	0.000	0.000	Strato1_2_8_L_0									
10 D	4.736	-2.9339E-02	66.63	23.68	66.63	39.99	UL-RL	8488.	-1.800	0.000	1.000	1.000
23.68	0.000	0.000	Strato1_2_8_L_0									
11 D	5.130	-2.9098E-02	73.46	25.65	73.46	42.88	UL-RL	8488.	-2.000	0.000	1.000	1.000
25.65	0.000	0.000	Strato1_2_8_L_0									
12 D	5.244	-2.8859E-02	75.72	26.22	75.72	43.68	UL-RL	8488.	-2.200	0.000	1.000	1.000
26.22	0.000	0.000	Strato1_2_8_L_0									
13 D	5.599	-2.8623E-02	81.98	28.00	81.98	46.28	UL-RL	8488.	-2.400	0.000	1.000	1.000
28.00	0.000	0.000	Strato1_2_8_L_0									
14 D	5.719	-2.8389E-02	84.40	28.60	84.40	47.12	UL-RL	8488.	-2.600	0.000	1.000	1.000
28.60	0.000	0.000	Strato1_2_8_L_0									
15 D	6.047	-2.8158E-02	90.27	30.23	90.27	49.51	UL-RL	8488.	-2.800	0.000	1.000	1.000
30.23	0.000	0.000	Strato1_2_8_L_0									
16 D	6.147	-2.7932E-02	92.44	30.74	92.44	50.19	UL-RL	8488.	-3.000	0.000	1.000	1.000
30.74	0.000	0.000	Strato1_2_8_L_0									
17 D	6.454	-2.7709E-02	98.05	32.27	98.05	52.41	UL-RL	8488.	-3.200	0.000	1.000	1.000
32.27	0.000	0.000	Strato1_2_8_L_0									
18 D	6.580	-2.7490E-02	100.7	32.90	100.7	53.39	UL-RL	8488.	-3.400	0.000	1.000	1.000
32.90	0.000	0.000	Strato1_2_8_L_0									
19 D	6.866	-2.7272E-02	106.1	34.33	106.1	56.24	UL-RL	8488.	-3.600	0.000	1.000	1.000
34.33	0.000	0.000	Strato1_2_8_L_0									
20 D	6.990	-2.7055E-02	108.9	34.95	108.9	57.70	UL-RL	8488.	-3.800	0.000	1.000	1.000
34.95	0.000	0.000	Strato1_2_8_L_0									
21 D	7.258	-2.6837E-02	114.1	36.29	114.1	60.46	UL-RL	8488.	-4.000	0.000	1.000	1.000
36.29	0.000	0.000	Strato1_2_8_L_0									
22 D	7.379	-2.6617E-02	116.9	36.90	116.9	61.97	UL-RL	8488.	-4.200	0.000	1.000	1.000
36.90	0.000	0.000	Strato1_2_8_L_0									
23 D	7.630	-2.6395E-02	122.0	38.15	122.0	64.66	UL-RL	8488.	-4.400	0.000	1.000	1.000
38.15	0.000	0.000	Strato1_2_8_L_0									
24 D	7.730	-2.6169E-02	124.7	38.65	124.7	66.07	UL-RL	8488.	-4.600	0.000	1.000	1.000
38.65	0.000	0.000	Strato1_2_8_L_0									
25 D	7.964	-2.5938E-02	129.6	39.82	129.6	68.70	UL-RL	8488.	-4.800	0.000	1.000	1.000
39.82	0.000	0.000	Strato1_2_8_L_0									
26 D	8.073	-2.5702E-02	132.6	40.36	132.6	70.28	UL-RL	8488.	-5.000	0.000	1.000	1.000
40.36	0.000	0.000	Strato1_2_8_L_0									
27 D	8.358	-2.5459E-02	137.5	41.79	137.5	72.85	ACTIVE	0.000	-5.200	0.000	1.000	1.000
41.79	0.000	0.000	Strato1_2_8_L_0									
28 D	8.542	-2.5210E-02	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-2.4952E-02	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.4687E-02	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.4413E-02	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.4131E-02	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.3839E-02	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.3538E-02	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-2.3227E-02	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-2.2908E-02	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-2.2578E-02	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	10.90	-2.2240E-02	179.3	54.52	179.3	95.05	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.52	0.000	0.000	Strato1_2_8_L_0									
39 D	11.17	-2.1893E-02	183.7	55.84	183.7	97.36	ACTIVE	0.000	-7.600	0.000	1.000	1.000
55.84	0.000	0.000	Strato1_2_8_L_0									
40 D	11.37	-2.1538E-02	186.9	56.83	186.9	99.08	ACTIVE	0.000	-7.800	0.000	1.000	1.000
56.83	0.000	0.000	Strato1_2_8_L_0									
41 D	11.64	-2.1175E-02	191.4	58.19	191.4	101.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.19	0.000	0.000	Strato1_2_8_L_0									
42 D	11.84	-2.0805E-02	194.7	59.18	194.7	103.2	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.18	0.000	0.000	Strato1_2_8_L_0									
43 D	12.11	-2.0428E-02	199.1	60.53	199.1	105.5	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.53	0.000	0.000	Strato1_2_8_L_0									
44 D	12.31	-2.0046E-02	202.4	61.53	202.4	107.3	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.53	0.000	0.000	Strato1_2_8_L_0									
45 D	12.57	-1.9659E-02	206.8	62.87	206.8	109.6	ACTIVE	0.000	-8.800	0.000	1.000	1.000
62.87	0.000	0.000	Strato1_2_8_L_0									
46 D	12.77	-1.9269E-02	210.0	63.84	210.0	111.3	ACTIVE	0.000	-9.000	0.000	1.000	1.000
63.84	0.000	0.000	Strato1_2_8_L_0									
47 D	13.03	-1.8876E-02	214.4	65.17	214.4	113.6	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.17	0.000	0.000	Strato1_2_8_L_0									
48 D	13.24	-1.8479E-02	217.7	66.19	217.7	115.4	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.19	0.000	0.000	Strato1_2_8_L_0									
49 D	13.50	-1.8078E-02	222.1	67.51	222.1	117.7	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.51	0.000	0.000	Strato1_2_8_L_0									

50 D	13.71	-1.7671E-02	225.4	68.53	225.4	119.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000	68.53	0.000	0.000	Strato1_2_8_L_0
51 D	13.97	-1.7257E-02	229.8	69.85	229.8	121.8	ACTIVE	0.000	-10.00	0.000	1.000	1.000	69.85	0.000	0.000	Strato1_2_8_L_0
52 D	14.17	-1.6837E-02	233.1	70.87	233.1	123.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000	70.87	0.000	0.000	Strato1_2_8_L_0
53 D	14.44	-1.6409E-02	237.4	72.18	237.4	125.8	ACTIVE	0.000	-10.40	0.000	1.000	1.000	72.18	0.000	0.000	Strato1_2_8_L_0
54 D	14.63	-1.5972E-02	240.7	73.17	240.7	127.6	ACTIVE	0.000	-10.60	0.000	1.000	1.000	73.17	0.000	0.000	Strato1_2_8_L_0
55 D	14.90	-1.5527E-02	245.0	74.48	245.0	129.8	ACTIVE	0.000	-10.80	0.000	1.000	1.000	74.48	0.000	0.000	Strato1_2_8_L_0
56 D	15.10	-1.5073E-02	248.4	75.51	248.4	131.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000	75.51	0.000	0.000	Strato1_2_8_L_0
57 D	15.36	-1.4611E-02	252.7	76.81	252.7	133.9	ACTIVE	0.000	-11.20	0.000	1.000	1.000	76.81	0.000	0.000	Strato1_2_8_L_0
58 D	15.57	-1.4140E-02	256.1	77.85	256.1	135.7	ACTIVE	0.000	-11.40	0.000	1.000	1.000	77.85	0.000	0.000	Strato1_2_8_L_0
59 D	15.83	-1.3660E-02	260.3	79.14	260.3	138.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000	79.14	0.000	0.000	Strato1_2_8_L_0
60 D	16.04	-1.3173E-02	263.7	80.18	263.7	139.8	ACTIVE	0.000	-11.80	0.000	1.000	1.000	80.18	0.000	0.000	Strato1_2_8_L_0
61 D	16.29	-1.2678E-02	267.9	81.44	267.9	142.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000	81.44	0.000	0.000	Strato1_2_8_L_0
62 D	16.50	-1.2176E-02	271.3	82.48	271.3	143.8	ACTIVE	0.000	-12.20	0.000	1.000	1.000	82.48	0.000	0.000	Strato1_2_8_L_0
63 D	16.75	-1.1669E-02	275.5	83.77	275.5	146.0	ACTIVE	0.000	-12.40	0.000	1.000	1.000	83.77	0.000	0.000	Strato1_2_8_L_0
64 D	16.96	-1.1157E-02	279.0	84.81	279.0	147.9	ACTIVE	0.000	-12.60	0.000	1.000	1.000	84.81	0.000	0.000	Strato1_2_8_L_0
65 D	17.22	-1.0641E-02	283.2	86.09	283.2	150.1	ACTIVE	0.000	-12.80	0.000	1.000	1.000	86.09	0.000	0.000	Strato1_2_8_L_0
66 D	17.43	-1.0123E-02	286.7	87.14	286.7	151.9	ACTIVE	0.000	-13.00	0.000	1.000	1.000	87.14	0.000	0.000	Strato1_2_8_L_0
67 D	9.797	-9.6038E-03	291.0	48.98	291.0	145.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000	48.98	0.000	0.000	Strato2_3095_82743_L_0
68 D	9.969	-9.0857E-03	294.6	49.84	294.6	147.3	ACTIVE	0.000	-13.40	0.000	1.000	1.000	49.84	0.000	0.000	Strato2_3095_82743_L_0
69 D	10.17	-8.5700E-03	298.9	50.86	298.9	149.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000	50.86	0.000	0.000	Strato2_3095_82743_L_0
70 D	10.34	-8.0581E-03	302.6	51.72	302.6	151.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000	51.72	0.000	0.000	Strato2_3095_82743_L_0
71 D	10.55	-7.5511E-03	307.0	52.75	307.0	153.5	ACTIVE	0.000	-14.00	0.000	1.000	1.000	52.75	0.000	0.000	Strato2_3095_82743_L_0
72 D	10.72	-7.0501E-03	310.7	53.61	310.7	155.3	ACTIVE	0.000	-14.20	0.000	1.000	1.000	53.61	0.000	0.000	Strato2_3095_82743_L_0
73 D	10.93	-6.5560E-03	315.0	54.64	315.0	157.5	ACTIVE	0.000	-14.40	0.000	1.000	1.000	54.64	0.000	0.000	Strato2_3095_82743_L_0
74 D	11.10	-6.0692E-03	318.7	55.50	318.7	159.4	ACTIVE	0.000	-14.60	0.000	1.000	1.000	55.50	0.000	0.000	Strato2_3095_82743_L_0
75 D	11.31	-5.5904E-03	323.1	56.53	323.1	161.5	ACTIVE	0.000	-14.80	0.000	1.000	1.000	56.53	0.000	0.000	Strato2_3095_82743_L_0
76 D	11.48	-5.1198E-03	326.7	57.38	326.7	163.3	ACTIVE	0.000	-15.00	0.000	1.000	1.000	57.38	0.000	0.000	Strato2_3095_82743_L_0
77 D	11.68	-4.6574E-03	331.0	58.40	331.0	165.5	ACTIVE	0.000	-15.20	0.000	1.000	1.000	58.40	0.000	0.000	Strato2_3095_82743_L_0
78 D	11.85	-4.2032E-03	334.7	59.27	334.7	167.4	ACTIVE	0.000	-15.40	0.000	1.000	1.000	59.27	0.000	0.000	Strato2_3095_82743_L_0
79 D	12.06	-3.7570E-03	339.1	60.29	339.1	169.5	ACTIVE	0.000	-15.60	0.000	1.000	1.000	60.29	0.000	0.000	Strato2_3095_82743_L_0
80 D	14.37	-3.3182E-03	342.8	71.86	342.8	171.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	71.86	0.000	0.000	Strato2_3095_82743_L_0
81 D	16.88	-2.8864E-03	347.1	84.39	347.1	173.6	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	84.39	0.000	0.000	Strato2_3095_82743_L_0
82 D	19.35	-2.4609E-03	351.4	96.76	351.4	175.7	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	96.76	0.000	0.000	Strato2_3095_82743_L_0
83 D	21.74	-2.0409E-03	355.1	108.7	355.1	177.6	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	108.7	0.000	0.000	Strato2_3095_82743_L_0
84 D	24.15	-1.6255E-03	359.4	120.7	359.4	179.7	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	120.7	0.000	0.000	Strato2_3095_82743_L_0
85 D	26.49	-1.2139E-03	363.1	132.4	363.1	181.6	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	132.4	0.000	0.000	Strato2_3095_82743_L_0
86 D	28.87	-8.0540E-04	367.4	144.4	367.4	183.7	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	144.4	0.000	0.000	Strato2_3095_82743_L_0
87 D	31.19	-3.9907E-04	371.1	155.9	371.1	185.6	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	155.9	0.000	0.000	Strato2_3095_82743_L_0
88 D	33.55	5.7675E-06	375.4	167.7	375.4	187.7	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	167.7	0.000	0.000	Strato2_3095_82743_L_0
89 D	35.32	4.0971E-04	379.2	176.6	379.2	190.9	UL-RL	2.4012E+04	-17.60	0.000	1.000	1.000	176.6	0.000	0.000	Strato2_3095_82743_L_0
90 D	36.90	8.1321E-04	383.5	184.5	383.5	195.0	UL-RL	2.4012E+04	-17.80	0.000	1.000	1.000	184.5	0.000	0.000	Strato2_3095_82743_L_0
91 D	19.21	1.2166E-03	387.1	192.1	387.1	198.8	UL-RL	2.4012E+04	-18.00	0.000	1.000	1.000	192.1	0.000	0.000	Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
|                                                                                                                          |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                   Exe Time :29 July 2019      18:00:06                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000				

0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 0.000 -- -- -- -- -- REMOVED -- -12.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
65 0.000 -- -- -- -- -- REMOVED -- -12.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
66 0.000 -- -- -- -- -- REMOVED -- -13.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
67 D 21.75 9.6038E-03 2.000 108.7 250.9 136.8 PASSIVE 0.000 -13.20 0.000 1.000 1.000
108.7 0.000 0.000 Strato2_3095_82743_L_0
68 D 26.45 9.0857E-03 6.000 132.3 254.9 136.8 PASSIVE 0.000 -13.40 0.000 1.000 1.000
132.3 0.000 0.000 Strato2_3095_82743_L_0
69 D 30.54 8.5700E-03 10.00 152.7 258.9 152.7 V-C 7968. -13.60 0.000 1.000 1.000
152.7 0.000 0.000 Strato2_3095_82743_L_0
70 D 30.52 8.0581E-03 14.00 152.6 262.9 152.6 V-C 7968. -13.80 0.000 1.000 1.000
152.6 0.000 0.000 Strato2_3095_82743_L_0
71 D 30.47 7.5511E-03 18.00 152.4 266.9 152.4 V-C 7968. -14.00 0.000 1.000 1.000
152.4 0.000 0.000 Strato2_3095_82743_L_0
72 D 30.40 7.0501E-03 22.00 152.0 270.9 152.0 V-C 7968. -14.20 0.000 1.000 1.000
152.0 0.000 0.000 Strato2_3095_82743_L_0
73 D 30.31 6.5560E-03 26.00 151.5 274.9 151.5 V-C 7968. -14.40 0.000 1.000 1.000
151.5 0.000 0.000 Strato2_3095_82743_L_0

```
  74 D   30.21      6.0692E-03   30.00       151.1       278.9       151.1          V-C   7968.      -14.60      0.000       1.000       1.000
151.1       0.000       0.000     Strato2_3095_82743_L_0
  75 D   30.11      5.5904E-03   34.00       150.5       282.9       150.5          V-C   7968.      -14.80      0.000       1.000       1.000
150.5       0.000       0.000     Strato2_3095_82743_L_0
  76 D   30.00      5.1198E-03   38.00       150.0       286.9       150.0          V-C   7968.      -15.00      0.000       1.000       1.000
150.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.90      4.6574E-03   42.00       149.5       290.9       149.5          V-C   7968.      -15.20      0.000       1.000       1.000
149.5       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.07      4.2032E-03   46.00       145.3       294.9       150.8        UL-RL   2.3904E+04 -15.40      0.000       1.000       1.000
145.3       0.000       0.000     Strato2_3095_82743_L_0
  79 D   28.01      3.7570E-03   50.00       140.1       298.9       152.7        UL-RL   2.3904E+04 -15.60      0.000       1.000       1.000
140.1       0.000       0.000     Strato2_3095_82743_L_0
  80 D   26.96      3.3182E-03   54.00       134.8       302.9       154.6        UL-RL   2.3904E+04 -15.80      0.000       1.000       1.000
134.8       0.000       0.000     Strato2_3095_82743_L_0
  81 D   25.92      2.8864E-03   58.00       129.6       306.9       156.5        UL-RL   2.3904E+04 -16.00      0.000       1.000       1.000
129.6       0.000       0.000     Strato2_3095_82743_L_0
  82 D   24.88      2.4609E-03   62.00       124.4       310.9       158.5        UL-RL   2.3904E+04 -16.20      0.000       1.000       1.000
124.4       0.000       0.000     Strato2_3095_82743_L_0
  83 D   23.85      2.0409E-03   66.00       119.3       314.9       160.4        UL-RL   2.3904E+04 -16.40      0.000       1.000       1.000
119.3       0.000       0.000     Strato2_3095_82743_L_0
  84 D   22.83      1.6255E-03   70.00       114.1       318.9       162.3        UL-RL   2.3904E+04 -16.60      0.000       1.000       1.000
114.1       0.000       0.000     Strato2_3095_82743_L_0
  85 D   21.81      1.2139E-03   74.00       109.0       322.9       164.2        UL-RL   2.3904E+04 -16.80      0.000       1.000       1.000
109.0       0.000       0.000     Strato2_3095_82743_L_0
  86 D   20.79      8.0540E-04   78.00       104.0       326.9       166.2        UL-RL   2.3904E+04 -17.00      0.000       1.000       1.000
104.0       0.000       0.000     Strato2_3095_82743_L_0
  87 D   19.78      3.9907E-04   82.00       98.89       330.9       168.1        UL-RL   2.3904E+04 -17.20      0.000       1.000       1.000
98.89       0.000       0.000     Strato2_3095_82743_L_0
  88 D   18.76     -5.7675E-06   86.00       93.81       334.9       170.1        UL-RL   2.3904E+04 -17.40      0.000       1.000       1.000
93.81       0.000       0.000     Strato2_3095_82743_L_0
  89 D   17.74     -4.0971E-04   90.00       88.71       338.9       172.0        UL-RL   2.3904E+04 -17.60      0.000       1.000       1.000
88.71       0.000       0.000     Strato2_3095_82743_L_0
  90 D   16.72     -8.1321E-04   94.00       83.61       342.9       173.9        UL-RL   2.3904E+04 -17.80      0.000       1.000       1.000
83.61       0.000       0.000     Strato2_3095_82743_L_0
  91 D   7.848     -1.2166E-03   98.00       78.48       346.9       175.9        UL-RL   2.3904E+04 -18.00      0.000       1.000       1.000
78.48       0.000       0.000     Strato2_3095_82743_L_0
```

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
|                                   Exe Time :29 July 2019      18:00:06                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
 -----------------------------------------------------
    1  1.4897     -1.4897     3.43013E-10 0.29793
    2  4.3301     -4.3301    -0.29793      1.1639
    3  8.2343     -8.2343     -1.1639      2.8108
    4  12.045     -12.045     -2.8108      5.2197
    5  16.413     -16.413     -5.2197      8.5024
    6  20.682     -20.682     -8.5024      12.639
    7  25.317     -25.317     -12.639      17.702
    8  29.867     -29.867     -17.702      23.676
    9  34.650     -34.650     -23.676      30.606
   10  39.387     -39.387     -30.606      38.483
   11  44.516     -44.516     -38.483      47.386
   12  49.760     -49.760     -47.386      57.338
   13  55.359     -55.359     -57.338      68.410
   14  61.078     -61.078     -68.410      80.626
   15  67.124     -67.124     -80.626      94.050
   16 -144.61      144.61     -94.050      65.128
   17 -138.16      138.16     -65.128      37.496
   18 -131.58      131.58     -37.496      11.180
   19 -124.71      124.71     -11.180     -13.763
   20 -117.72      117.72      13.763     -37.308
   21 -110.47      110.47      37.308     -59.401
   22 -103.09      103.09      59.401     -80.019
   23 -95.457      95.457      80.019     -99.110
   24 -87.727      87.727      99.110     -116.66
   25 -79.762      79.762      116.66     -132.61
   26 -71.690      71.690      132.61     -146.95
```

27	-63.400	63.400	146.95	-159.63
28	-54.858	54.858	159.63	-170.60
29	-46.026	46.026	170.60	-179.80
30	-37.007	37.007	179.80	-187.20
31	-27.712	27.712	187.20	-192.75
32	-18.229	18.229	192.75	-196.39
33	-8.4619	8.4619	196.39	-198.08
34	1.4967	-1.4967	198.08	-197.78
35	11.735	-11.735	197.78	-195.44
36	22.167	-22.167	195.44	-191.00
37	32.875	-32.875	191.00	-184.43
38	43.779	-43.779	184.43	-175.67
39	54.948	-54.948	175.67	-164.68
40	66.314	-66.314	164.68	-151.42
41	77.952	-77.952	151.42	-135.83
42	89.789	-89.789	135.83	-117.87
43	101.90	-101.90	117.87	-97.494
44	114.20	-114.20	97.494	-74.653
45	126.78	-126.78	74.653	-49.297
46	-128.97	128.97	49.297	-75.091
47	-115.93	115.93	75.091	-98.278
48	-102.70	102.70	98.278	-118.82
49	-89.195	89.195	118.82	-136.66
50	-75.489	75.489	136.66	-151.75
51	-61.520	61.520	151.75	-164.06
52	-47.346	47.346	164.06	-173.53
53	-32.910	32.910	173.53	-180.11
54	-18.276	18.276	180.11	-183.76
55	-3.3800	3.3800	183.76	-184.44
56	11.722	-11.722	184.44	-182.10
57	27.084	-27.084	182.10	-176.68
58	42.653	-42.653	176.68	-168.15
59	58.481	-58.481	168.15	-156.45
60	74.517	-74.517	156.45	-141.55
61	90.805	-90.805	141.55	-123.39
62	107.30	-107.30	123.39	-101.93
63	124.05	-124.05	101.93	-77.117
64	141.02	-141.02	77.117	-48.914
65	158.24	-158.24	48.914	-17.266
66	175.66	-175.66	17.266	17.866
67	163.71	-163.71	-17.866	50.609
68	147.23	-147.23	-50.609	80.055
69	126.86	-126.86	-80.055	105.43
70	106.69	-106.69	-105.43	126.77
71	86.765	-86.765	-126.77	144.12
72	67.091	-67.091	-144.12	157.54
73	47.710	-47.710	-157.54	167.08
74	28.601	-28.601	-167.08	172.80
75	9.7984	-9.7984	-172.80	174.76
76	-8.7300	8.7300	-174.76	173.01
77	-26.950	26.950	-173.01	167.62
78	-44.164	44.164	-167.62	158.79
79	-60.117	60.117	-158.79	146.76
80	-72.705	72.705	-146.76	132.22
81	-81.743	81.743	-132.22	115.88
82	-87.272	87.272	-115.88	98.421
83	-89.389	89.389	-98.421	80.543
84	-88.070	88.070	-80.543	62.928
85	-83.392	83.392	-62.928	46.250
86	-75.315	75.315	-46.250	31.187
87	-63.907	63.907	-31.187	18.405
88	-49.120	49.120	-18.405	8.5814
89	-31.544	31.544	-8.5814	2.2727
90	-11.363	11.363	-2.2727	-1.91736E-13

```
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                 Exe Time :29 July 2019      18:00:06                                              |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
```

```
         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   225.57     -1.08357E-03  2.03525E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:00:06                                            |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   277.99     -2.62486E-03  1.80280E-03   0.0000       6321.2       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:00:06                                            |
+-------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        4
        3           CONVERGENCE :YES                        6
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        6
        6           CONVERGENCE :YES                        3
        7           CONVERGENCE :YES                        5



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.10 [sec]
DATABASE  CREATION CPU TIME.....    0.39 [sec]
```

2.3. Design Assumption : SLE (Rara) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)
 * Time:lunedì 29 luglio 2019 18:00:07
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
```

```
WEIGHT 19 9 10
PERMEABILITY 1E-06
RESISTANCE 0 29
YOUNG 2E+04 6E+04
ENDL
*
* Soil Profile (Strato2_3095_82743_L_0)
*
LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 108 Name=Fe360 E=206000200 kPa
MATERIAL Fe360_108 2.06E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
STRIP LeftWall_32 2 7 0 40 0 10 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
```

```
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage6_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage7_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -13.1
WATER -26 0 -18 0 0
ENDSTEP
```

2.4. Design Assumption : SLE (Rara) - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:00:07                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************
```

```
 JOB : NewProject.BaseDesignSection_28.SLERara_3454
 STARTING
ACCEPTED   <FILE,GENW                                                    >
ACCEPTED   <FILE,PLOTTER,BINARY                                          >
ACCEPTED   <SOLVE TOTAL_STRESS                                           >
ACCEPTED   <PARAM ITEMAX 100                                             >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                >


                  ********************************************************
                  *                                                      *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                  *    BY THE PROGRAM.                                   *
                  *                                                      *
                  ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 109
NO. OF LONG NAMES (LASTNAME) ..................   26
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    109

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
```

```
option param itemax 100
option control hinges 0 0.0001 0.001
WALL LeftWall_32 0 -18 0 1
SOIL 0_L LeftWall_32 -18 0 1 0
SOIL 0_R LeftWall_32 -18 0 2 180
LDATA Strato1_2_8_L_0 0 LeftWall_32
ATREST 0.53 1 1
WEIGHT 19 9 10
PERMEABILITY 1E-06
RESISTANCE 0 29
YOUNG 2E+04 6E+04
ENDL
LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL
MATERIAL Fe360_108 2.06E+08
MATERIAL C2530_104 3.148E+07
MATERIAL acciaioarmonico_124 2.001E+08
MATERIAL C2025_103 2.996E+07
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0
STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
STRIP LeftWall_32 2 7 0 40 0 10 30
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP
STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ENDSTEP
STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP
STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP
STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
```

```
  89 : WATER -26 0 -18 0 0
  90 : ENDSTEP
  91 : STEP Stage6_1682
  92 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  93 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  94 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  95 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  96 : SETWALL LeftWall_32
  97 : GEOM 0 -9.5
  98 : WATER -26 0 -18 0 0
  99 : ADD Tirante2_1507
 100 : ENDSTEP
 101 : STEP Stage7_1779
 102 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 103 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 104 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 105 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 106 : SETWALL LeftWall_32
 107 : GEOM 0 -13.1
 108 : WATER -26 0 -18 0 0
 109 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/ NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/ 2	0.0000	-0.20000	/ 3	0.0000	-0.40000	/ 4	0.0000	-0.60000	/
5	0.0000	-0.80000	/ 6	0.0000	-1.0000	/ 7	0.0000	-1.2000	/ 8	0.0000	-1.4000	/
9	0.0000	-1.6000	/ 10	0.0000	-1.8000	/ 11	0.0000	-2.0000	/ 12	0.0000	-2.2000	/
13	0.0000	-2.4000	/ 14	0.0000	-2.6000	/ 15	0.0000	-2.8000	/ 16	0.0000	-3.0000	/
17	0.0000	-3.2000	/ 18	0.0000	-3.4000	/ 19	0.0000	-3.6000	/ 20	0.0000	-3.8000	/
21	0.0000	-4.0000	/ 22	0.0000	-4.2000	/ 23	0.0000	-4.4000	/ 24	0.0000	-4.6000	/
25	0.0000	-4.8000	/ 26	0.0000	-5.0000	/ 27	0.0000	-5.2000	/ 28	0.0000	-5.4000	/
29	0.0000	-5.6000	/ 30	0.0000	-5.8000	/ 31	0.0000	-6.0000	/ 32	0.0000	-6.2000	/
33	0.0000	-6.4000	/ 34	0.0000	-6.6000	/ 35	0.0000	-6.8000	/ 36	0.0000	-7.0000	/
37	0.0000	-7.2000	/ 38	0.0000	-7.4000	/ 39	0.0000	-7.6000	/ 40	0.0000	-7.8000	/
41	0.0000	-8.0000	/ 42	0.0000	-8.2000	/ 43	0.0000	-8.4000	/ 44	0.0000	-8.6000	/
45	0.0000	-8.8000	/ 46	0.0000	-9.0000	/ 47	0.0000	-9.2000	/ 48	0.0000	-9.4000	/
49	0.0000	-9.6000	/ 50	0.0000	-9.8000	/ 51	0.0000	-10.000	/ 52	0.0000	-10.200	/
53	0.0000	-10.400	/ 54	0.0000	-10.600	/ 55	0.0000	-10.800	/ 56	0.0000	-11.000	/
57	0.0000	-11.200	/ 58	0.0000	-11.400	/ 59	0.0000	-11.600	/ 60	0.0000	-11.800	/
61	0.0000	-12.000	/ 62	0.0000	-12.200	/ 63	0.0000	-12.400	/ 64	0.0000	-12.600	/
65	0.0000	-12.800	/ 66	0.0000	-13.000	/ 67	0.0000	-13.200	/ 68	0.0000	-13.400	/
69	0.0000	-13.600	/ 70	0.0000	-13.800	/ 71	0.0000	-14.000	/ 72	0.0000	-14.200	/
73	0.0000	-14.400	/ 74	0.0000	-14.600	/ 75	0.0000	-14.800	/ 76	0.0000	-15.000	/
77	0.0000	-15.200	/ 78	0.0000	-15.400	/ 79	0.0000	-15.600	/ 80	0.0000	-15.800	/
81	0.0000	-16.000	/ 82	0.0000	-16.200	/ 83	0.0000	-16.400	/ 84	0.0000	-16.600	/
85	0.0000	-16.800	/ 86	0.0000	-17.000	/ 87	0.0000	-17.200	/ 88	0.0000	-17.400	/
89	0.0000	-17.600	/ 90	0.0000	-17.800	/ 91	0.0000	-18.000	/			

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
```

```
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	1	0.2000	0.000	0.000	0.000	1.000

66	66	1	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
..........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     2.000
    2    2    1   0.2000     0.000     0.000     0.000     2.000
    3    3    1   0.2000     0.000     0.000     0.000     2.000
    4    4    1   0.2000     0.000     0.000     0.000     2.000
    5    5    1   0.2000     0.000     0.000     0.000     2.000
    6    6    1   0.2000     0.000     0.000     0.000     2.000
    7    7    1   0.2000     0.000     0.000     0.000     2.000
    8    8    1   0.2000     0.000     0.000     0.000     2.000
    9    9    1   0.2000     0.000     0.000     0.000     2.000
   10   10    1   0.2000     0.000     0.000     0.000     2.000
   11   11    1   0.2000     0.000     0.000     0.000     2.000
   12   12    1   0.2000     0.000     0.000     0.000     2.000
```

13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	1	0.2000	0.000	0.000	0.000	2.000
66	66	1	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      18:00:07                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                        :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
....................................
..........2D WALL ELEMENT...........
....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ............0.308300E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

   el    na    nb  mat      erc1       erc2      thick       by-i       by-j
------------------------------------------------------------

    1     1     2    1    0.000      0.000     0.6848      0.000      0.000
    2     2     3    1    0.000      0.000     0.6848      0.000      0.000
    3     3     4    1    0.000      0.000     0.6848      0.000      0.000
    4     4     5    1    0.000      0.000     0.6848      0.000      0.000
    5     5     6    1    0.000      0.000     0.6848      0.000      0.000
    6     6     7    1    0.000      0.000     0.6848      0.000      0.000
    7     7     8    1    0.000      0.000     0.6848      0.000      0.000
    8     8     9    1    0.000      0.000     0.6848      0.000      0.000
    9     9    10    1    0.000      0.000     0.6848      0.000      0.000
   10    10    11    1    0.000      0.000     0.6848      0.000      0.000
   11    11    12    1    0.000      0.000     0.6848      0.000      0.000
   12    12    13    1    0.000      0.000     0.6848      0.000      0.000
   13    13    14    1    0.000      0.000     0.6848      0.000      0.000
   14    14    15    1    0.000      0.000     0.6848      0.000      0.000
   15    15    16    1    0.000      0.000     0.6848      0.000      0.000
   16    16    17    1    0.000      0.000     0.6848      0.000      0.000
   17    17    18    1    0.000      0.000     0.6848      0.000      0.000
   18    18    19    1    0.000      0.000     0.6848      0.000      0.000
   19    19    20    1    0.000      0.000     0.6848      0.000      0.000
   20    20    21    1    0.000      0.000     0.6848      0.000      0.000
   21    21    22    1    0.000      0.000     0.6848      0.000      0.000
   22    22    23    1    0.000      0.000     0.6848      0.000      0.000
   23    23    24    1    0.000      0.000     0.6848      0.000      0.000
   24    24    25    1    0.000      0.000     0.6848      0.000      0.000
   25    25    26    1    0.000      0.000     0.6848      0.000      0.000
   26    26    27    1    0.000      0.000     0.6848      0.000      0.000
   27    27    28    1    0.000      0.000     0.6848      0.000      0.000
   28    28    29    1    0.000      0.000     0.6848      0.000      0.000
   29    29    30    1    0.000      0.000     0.6848      0.000      0.000
   30    30    31    1    0.000      0.000     0.6848      0.000      0.000
   31    31    32    1    0.000      0.000     0.6848      0.000      0.000
   32    32    33    1    0.000      0.000     0.6848      0.000      0.000
   33    33    34    1    0.000      0.000     0.6848      0.000      0.000
   34    34    35    1    0.000      0.000     0.6848      0.000      0.000
   35    35    36    1    0.000      0.000     0.6848      0.000      0.000
   36    36    37    1    0.000      0.000     0.6848      0.000      0.000
   37    37    38    1    0.000      0.000     0.6848      0.000      0.000
```

38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:00:07                                             |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active
    6   active
    7   active

 material set no.    1
```

```
 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   16    1   0.1974E-04 140.9     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      18:00:07                                              |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5  inactive
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   46    1   0.3159E-04 250.0     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      18:00:07                                              |
+-------------------------------------------------------------------------------------------------------------------+
```

```
NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5


+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:00:07                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    6
```

```
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:00:07                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:00:07                                                  |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:00:07                                                  |
+-----------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000
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==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000

Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-13.10	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000

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PORE_UPDATE_FLAG                          0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)          0.000         0.000
lateral thrusts reduction elevatio        0.000         0.000
Downhill reduction factor for effe        0.000         0.000
Downhill reduction factor for pore        0.000         0.000
Uphill reduction factor for effect        0.000         0.000
Uphill reduction factor for pore p        0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]          0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]         0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]         0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]           0.000         0.000
UPHILL DELTA/PHI RATIO                    0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
DOWNHILL DELTA/PHI RATIO                  0.000         0.000
DYN.WATER BEHAVIOUR                       0.000         0.000
Excess pore pressure RATIO Ru             0.000         0.000
SEISMIC PRESSURE LOWER VALUE              0.000         0.000
SEISMIC PRESSURE UPPER VALUE              0.000         0.000
SEISMIC PRESSURE LOWER LEVEL              0.000         0.000
SEISMIC PRESSURE UPPER LEVEL              0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                 Exe Time :29 July 2019      18:00:07                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.325000000000000
 FOUNDATION WIDTH    (B)            39.6800000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          49.4000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000
```

```
 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4903

 NO. OF D.P.W  FOR THIS AREA      10857
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                            :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      1.0000

 HARDENING 2D SOIL ELEMENT
```

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.4147E+04	0.000	0.000	1.000	1.000
0.000	0.000	0.000	Strato1_2_8_L_0									
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.4147E+04	-0.2000	0.000	1.000	1.000
2.014	0.000	0.000	Strato1_2_8_L_0									
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.4147E+04	-0.4000	0.000	1.000	1.000
4.028	0.000	0.000	Strato1_2_8_L_0									
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.4147E+04	-0.6000	0.000	1.000	1.000
6.042	0.000	0.000	Strato1_2_8_L_0									
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.4147E+04	-0.8000	0.000	1.000	1.000
8.056	0.000	0.000	Strato1_2_8_L_0									
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.4147E+04	-1.000	0.000	1.000	1.000
10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.4147E+04	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.4147E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.4147E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4147E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4147E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4147E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4147E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4147E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4147E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4147E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4147E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4147E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4147E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									

40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	1.4147E+04	-12.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	1.4147E+04	-12.80	0.000	1.000	1.000
128.9	0.000	0.000	Strato1_2_8_L_0									
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	1.4147E+04	-13.00	0.000	1.000	1.000
130.9	0.000	0.000	Strato1_2_8_L_0									
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	4.0020E+04	-13.20	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	4.0020E+04	-13.40	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	4.0020E+04	-13.60	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	4.0020E+04	-13.80	0.000	1.000	1.000
131.5	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	4.0020E+04	-14.00	0.000	1.000	1.000
133.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	4.0020E+04	-14.20	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	4.0020E+04	-14.40	0.000	1.000	1.000
137.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	4.0020E+04	-14.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	4.0020E+04	-14.80	0.000	1.000	1.000
141.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	4.0020E+04	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	4.0020E+04	-15.20	0.000	1.000	1.000
145.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	4.0020E+04	-15.40	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	4.0020E+04	-15.60	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	4.0020E+04	-15.80	0.000	1.000	1.000
151.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	4.0020E+04	-16.00	0.000	1.000	1.000
153.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	4.0020E+04	-16.20	0.000	1.000	1.000

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155.4        0.000       0.000      Strato2_3095_82743_L_0
  83 D   31.49       0.000       314.9        157.4        314.9        157.4             V-C  4.0020E+04  -16.40       0.000        1.000        1.000
157.4        0.000       0.000      Strato2_3095_82743_L_0
  84 D   31.89       0.000       318.9        159.4        318.9        159.4             V-C  4.0020E+04  -16.60       0.000        1.000        1.000
159.4        0.000       0.000      Strato2_3095_82743_L_0
  85 D   32.29       0.000       322.9        161.5        322.9        161.5             V-C  4.0020E+04  -16.80       0.000        1.000        1.000
161.5        0.000       0.000      Strato2_3095_82743_L_0
  86 D   32.69       0.000       326.9        163.4        326.9        163.4             V-C  4.0020E+04  -17.00       0.000        1.000        1.000
163.4        0.000       0.000      Strato2_3095_82743_L_0
  87 D   33.09       0.000       330.9        165.4        330.9        165.4             V-C  4.0020E+04  -17.20       0.000        1.000        1.000
165.4        0.000       0.000      Strato2_3095_82743_L_0
  88 D   33.49       0.000       334.9        167.4        334.9        167.4             V-C  4.0020E+04  -17.40       0.000        1.000        1.000
167.4        0.000       0.000      Strato2_3095_82743_L_0
  89 D   33.89       0.000       338.9        169.5        338.9        169.5             V-C  4.0020E+04  -17.60       0.000        1.000        1.000
169.5        0.000       0.000      Strato2_3095_82743_L_0
  90 D   34.29       0.000       342.9        171.5        342.9        171.5             V-C  4.0020E+04  -17.80       0.000        1.000        1.000
171.5        0.000       0.000      Strato2_3095_82743_L_0
  91 D   17.34       0.000       346.9        173.4        346.9        173.4             V-C  4.0020E+04  -18.00       0.000        1.000        1.000
173.4        0.000       0.000      Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                       |
 |                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
 |                                  Exe Time :29 July 2019      18:00:07                                                 |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                      :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P      MAX-H-P            STATE   STIFFNESS Z-LEVEL       PORE        E FACTOR     UFACTOR
Peq            Su_a         Su_p        LAYER
 ----------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000        0.000        0.000        0.000             V-C   9817.       0.000       0.000        1.000        1.000
0.000        0.000       0.000      Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800        2.014        3.800        2.014             V-C   9817.     -0.2000       0.000        1.000        1.000
2.014        0.000       0.000      Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600        4.028        7.600        4.028             V-C   9817.     -0.4000       0.000        1.000        1.000
4.028        0.000       0.000      Strato1_2_8_L_0
   4 D   1.208       0.000       11.40        6.042        11.40        6.042             V-C   9817.     -0.6000       0.000        1.000        1.000
6.042        0.000       0.000      Strato1_2_8_L_0
   5 D   1.611       0.000       15.20        8.056        15.20        8.056             V-C   9817.     -0.8000       0.000        1.000        1.000
8.056        0.000       0.000      Strato1_2_8_L_0
   6 D   2.014       0.000       19.00        10.07        19.00        10.07             V-C   9817.      -1.000       0.000        1.000        1.000
10.07        0.000       0.000      Strato1_2_8_L_0
   7 D   2.417       0.000       22.80        12.08        22.80        12.08             V-C   9817.      -1.200       0.000        1.000        1.000
12.08        0.000       0.000      Strato1_2_8_L_0
   8 D   2.820       0.000       26.60        14.10        26.60        14.10             V-C   9817.      -1.400       0.000        1.000        1.000
14.10        0.000       0.000      Strato1_2_8_L_0
   9 D   3.222       0.000       30.40        16.11        30.40        16.11             V-C   9817.      -1.600       0.000        1.000        1.000
16.11        0.000       0.000      Strato1_2_8_L_0
  10 D   3.625       0.000       34.20        18.13        34.20        18.13             V-C   9817.      -1.800       0.000        1.000        1.000
18.13        0.000       0.000      Strato1_2_8_L_0
  11 D   4.028       0.000       38.00        20.14        38.00        20.14             V-C   9817.      -2.000       0.000        1.000        1.000
20.14        0.000       0.000      Strato1_2_8_L_0
  12 D   4.431       0.000       41.80        22.15        41.80        22.15             V-C   9817.      -2.200       0.000        1.000        1.000
22.15        0.000       0.000      Strato1_2_8_L_0
  13 D   4.834       0.000       45.60        24.17        45.60        24.17             V-C   9817.      -2.400       0.000        1.000        1.000
24.17        0.000       0.000      Strato1_2_8_L_0
  14 D   5.236       0.000       49.40        26.18        49.40        26.18             V-C   9817.      -2.600       0.000        1.000        1.000
26.18        0.000       0.000      Strato1_2_8_L_0
  15 D   5.639       0.000       53.20        28.20        53.20        28.20             V-C   9817.      -2.800       0.000        1.000        1.000
28.20        0.000       0.000      Strato1_2_8_L_0
  16 D   6.042       0.000       57.00        30.21        57.00        30.21             V-C   9817.      -3.000       0.000        1.000        1.000
30.21        0.000       0.000      Strato1_2_8_L_0
  17 D   6.445       0.000       60.80        32.22        60.80        32.22             V-C   9817.      -3.200       0.000        1.000        1.000
32.22        0.000       0.000      Strato1_2_8_L_0
  18 D   6.848       0.000       64.60        34.24        64.60        34.24             V-C   9817.      -3.400       0.000        1.000        1.000
34.24        0.000       0.000      Strato1_2_8_L_0
  19 D   7.250       0.000       68.40        36.25        68.40        36.25             V-C   9817.      -3.600       0.000        1.000        1.000
36.25        0.000       0.000      Strato1_2_8_L_0
  20 D   7.653       0.000       72.20        38.27        72.20        38.27             V-C   9817.      -3.800       0.000        1.000        1.000
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38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	9817.	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	9817.	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	9817.	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	9817.	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	9817.	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	9817.	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	9817.	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	9817.	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	9817.	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	9817.	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	9817.	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	9817.	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	9817.	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	9817.	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	9817.	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	9817.	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	9817.	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	9817.	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	9817.	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	9817.	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	9817.	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	9817.	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									

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  63 D   24.97       0.000       235.6       124.9       235.6       124.9              V-C   9817.      -12.40       0.000       1.000       1.000
124.9       0.000       0.000     Strato1_2_8_L_0
  64 D   25.38       0.000       239.4       126.9       239.4       126.9              V-C   9817.      -12.60       0.000       1.000       1.000
126.9       0.000       0.000     Strato1_2_8_L_0
  65 D   25.78       0.000       243.2       128.9       243.2       128.9              V-C   9817.      -12.80       0.000       1.000       1.000
128.9       0.000       0.000     Strato1_2_8_L_0
  66 D   26.18       0.000       247.0       130.9       247.0       130.9              V-C   9817.      -13.00       0.000       1.000       1.000
130.9       0.000       0.000     Strato1_2_8_L_0
  67 D   25.09       0.000       250.9       125.5       250.9       125.5              V-C   2.1690E+04 -13.20       0.000       1.000       1.000
125.5       0.000       0.000     Strato2_3095_82743_L_0
  68 D   25.49       0.000       254.9       127.5       254.9       127.5              V-C   2.1690E+04 -13.40       0.000       1.000       1.000
127.5       0.000       0.000     Strato2_3095_82743_L_0
  69 D   25.89       0.000       258.9       129.4       258.9       129.4              V-C   2.1690E+04 -13.60       0.000       1.000       1.000
129.4       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.29       0.000       262.9       131.5       262.9       131.5              V-C   2.1690E+04 -13.80       0.000       1.000       1.000
131.5       0.000       0.000     Strato2_3095_82743_L_0
  71 D   26.69       0.000       266.9       133.5       266.9       133.5              V-C   2.1690E+04 -14.00       0.000       1.000       1.000
133.5       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.09       0.000       270.9       135.4       270.9       135.4              V-C   2.1690E+04 -14.20       0.000       1.000       1.000
135.4       0.000       0.000     Strato2_3095_82743_L_0
  73 D   27.49       0.000       274.9       137.4       274.9       137.4              V-C   2.1690E+04 -14.40       0.000       1.000       1.000
137.4       0.000       0.000     Strato2_3095_82743_L_0
  74 D   27.89       0.000       278.9       139.4       278.9       139.4              V-C   2.1690E+04 -14.60       0.000       1.000       1.000
139.4       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.29       0.000       282.9       141.4       282.9       141.4              V-C   2.1690E+04 -14.80       0.000       1.000       1.000
141.4       0.000       0.000     Strato2_3095_82743_L_0
  76 D   28.69       0.000       286.9       143.4       286.9       143.4              V-C   2.1690E+04 -15.00       0.000       1.000       1.000
143.4       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.09       0.000       290.9       145.4       290.9       145.4              V-C   2.1690E+04 -15.20       0.000       1.000       1.000
145.4       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.49       0.000       294.9       147.4       294.9       147.4              V-C   2.1690E+04 -15.40       0.000       1.000       1.000
147.4       0.000       0.000     Strato2_3095_82743_L_0
  79 D   29.89       0.000       298.9       149.4       298.9       149.4              V-C   2.1690E+04 -15.60       0.000       1.000       1.000
149.4       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.29       0.000       302.9       151.4       302.9       151.4              V-C   2.1690E+04 -15.80       0.000       1.000       1.000
151.4       0.000       0.000     Strato2_3095_82743_L_0
  81 D   30.69       0.000       306.9       153.4       306.9       153.4              V-C   2.1690E+04 -16.00       0.000       1.000       1.000
153.4       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.09       0.000       310.9       155.4       310.9       155.4              V-C   2.1690E+04 -16.20       0.000       1.000       1.000
155.4       0.000       0.000     Strato2_3095_82743_L_0
  83 D   31.49       0.000       314.9       157.4       314.9       157.4              V-C   2.1690E+04 -16.40       0.000       1.000       1.000
157.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   31.89       0.000       318.9       159.4       318.9       159.4              V-C   2.1690E+04 -16.60       0.000       1.000       1.000
159.4       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.29       0.000       322.9       161.5       322.9       161.5              V-C   2.1690E+04 -16.80       0.000       1.000       1.000
161.5       0.000       0.000     Strato2_3095_82743_L_0
  86 D   32.69       0.000       326.9       163.4       326.9       163.4              V-C   2.1690E+04 -17.00       0.000       1.000       1.000
163.4       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.09       0.000       330.9       165.4       330.9       165.4              V-C   2.1690E+04 -17.20       0.000       1.000       1.000
165.4       0.000       0.000     Strato2_3095_82743_L_0
  88 D   33.49       0.000       334.9       167.4       334.9       167.4              V-C   2.1690E+04 -17.40       0.000       1.000       1.000
167.4       0.000       0.000     Strato2_3095_82743_L_0
  89 D   33.89       0.000       338.9       169.5       338.9       169.5              V-C   2.1690E+04 -17.60       0.000       1.000       1.000
169.5       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.29       0.000       342.9       171.5       342.9       171.5              V-C   2.1690E+04 -17.80       0.000       1.000       1.000
171.5       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.34       0.000       346.9       173.4       346.9       173.4              V-C   2.1690E+04 -18.00       0.000       1.000       1.000
173.4       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                    Exe Time :29 July 2019      18:00:07                                                       |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                 :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
```

5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000

```
    90  0.0000      0.0000      0.0000      0.0000


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM= 1405.     REMNOR= 0.000     RATIO =0.1264     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.1264     RATIOR= 0.000
           MAX UN= 4.240     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM= 4.967     REMNOR=0.4237E-20 RATIO =0.7513E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.7513E-02 RATIOR= 0.000
           MAX UN= 1.673     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1717E-09 IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM=0.4909     REMNOR=0.5830E-21 RATIO =0.2362E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.2362E-02 RATIOR= 0.000
           MAX UN=0.5093     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.8358E-10 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8799E+05 RIMNOR= 0.000
           RENORM=0.6022E-04 REMNOR=0.5644E-21 RATIO =0.2616E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.35     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8799E+05 RDR   = 0.000
           RATIOT=0.2616E-04 RATIOR= 0.000
           MAX UN=0.7493E-02 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1148E-09 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.7011354E-04   3.0375484E-06
    2   3.7072153E-04   3.0447654E-06
    3   3.7133166E-04   3.0551835E-06
    4   3.7194366E-04   3.0664776E-06
    5   3.7255901E-04   3.0891198E-06
    6   3.7318082E-04   3.1343781E-06
    7   3.7381506E-04   3.2141976E-06
    8   3.7446934E-04   3.3366448E-06
    9   3.7515287E-04   3.5062873E-06
   10   3.7587486E-04   3.7210655E-06
   11   3.7664375E-04   3.9727671E-06
   12   3.7746566E-04   4.2497674E-06
   13   3.7834451E-04   4.5395515E-06
   14   3.7928162E-04   4.8314961E-06
   15   3.8027670E-04   5.1172391E-06
   16   3.8132763E-04   5.3896591E-06
   17   3.8243124E-04   5.6422471E-06
   18   3.8358277E-04   5.8684166E-06
   19   3.8477648E-04   6.0627428E-06
   20   3.8600542E-04   6.2203767E-06
   21   3.8726192E-04   6.3372506E-06
   22   3.8853735E-04   6.4096217E-06
   23   3.8982258E-04   6.4342539E-06
   24   3.9110766E-04   6.4080565E-06
   25   3.9238218E-04   6.3276342E-06
   26   3.9363483E-04   6.1890263E-06
   27   3.9485366E-04   5.9883233E-06
   28   3.9602576E-04   5.7215682E-06
   29   3.9713764E-04   5.3851983E-06
   30   3.9817496E-04   4.9758194E-06
   31   3.9912289E-04   4.4903282E-06
   32   3.9996579E-04   3.9252622E-06
   33   4.0068744E-04   3.2769374E-06
   34   4.0127078E-04   2.5418149E-06
   35   4.0169816E-04   1.7166343E-06
   36   4.0195122E-04   7.9831214E-07
   37   4.0201110E-04  -2.1588955E-07
   38   4.0185831E-04  -1.3284253E-06
   39   4.0147304E-04  -2.5413031E-06
   40   4.0083497E-04  -3.8564626E-06
   41   3.9992352E-04  -5.2756157E-06
   42   3.9871772E-04  -6.7997950E-06
   43   3.9719659E-04  -8.4291870E-06
   44   3.9533908E-04  -1.0163067E-05
   45   3.9312453E-04  -1.1999578E-05
   46   3.9053255E-04  -1.3935729E-05
   47   3.8754382E-04  -1.5967230E-05
   48   3.8413967E-04  -1.8088693E-05
   49   3.8030285E-04  -2.0292851E-05
   50   3.7601764E-04  -2.2570499E-05
   51   3.7127052E-04  -2.4910173E-05
   52   3.6605034E-04  -2.7298032E-05
   53   3.6034917E-04  -2.9717535E-05
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   54   3.5416250E-04  -3.2149319E-05
   55   3.4749010E-04  -3.4571153E-05
   56   3.4033639E-04  -3.6957748E-05
   57   3.3271128E-04  -3.9280203E-05
   58   3.2463077E-04  -4.1505816E-05
   59   3.1611786E-04  -4.3597819E-05
   60   3.0720328E-04  -4.5515198E-05
   61   2.9792646E-04  -4.7212455E-05
   62   2.8833630E-04  -4.8639695E-05
   63   2.7849221E-04  -4.9742424E-05
   64   2.6846493E-04  -5.0461202E-05
   65   2.5833763E-04  -5.0731501E-05
   66   2.4820687E-04  -5.0483673E-05
   67   2.3818369E-04  -4.9642895E-05
   68   2.2838744E-04  -4.8236127E-05
   69   2.1891867E-04  -4.6387964E-05
   70   2.0985423E-04  -4.4210143E-05
   71   2.0124996E-04  -4.1802004E-05
   72   1.9314296E-04  -3.9250898E-05
   73   1.8555444E-04  -3.6632919E-05
   74   1.7849030E-04  -3.4013081E-05
   75   1.7194564E-04  -3.1446801E-05
   76   1.6590494E-04  -2.8980102E-05
   77   1.6034445E-04  -2.6650599E-05
   78   1.5523357E-04  -2.4488180E-05
   79   1.5053653E-04  -2.2515429E-05
   80   1.4621369E-04  -2.0748232E-05
   81   1.4222289E-04  -1.9196293E-05
   82   1.3852056E-04  -1.7863626E-05
   83   1.3506300E-04  -1.6747540E-05
   84   1.3180761E-04  -1.5840437E-05
   85   1.2871354E-04  -1.5130266E-05
   86   1.2574329E-04  -1.4600882E-05
   87   1.2286250E-04  -1.4231877E-05
   88   1.2004148E-04  -1.3998860E-05
   89   1.1725577E-04  -1.3873540E-05
   90   1.1448702E-04  -1.3823766E-05
   91   1.1172363E-04  -1.3813592E-05



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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                          |
 |                                     NewProject.BaseDesignSection_28.SLERara_3454                         |
 |                                  Exe Time :29 July 2019      18:00:07                                    |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

 0_L                                 :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL       PORE        E FACTOR     UFACTOR
Peq           Su_a         Su_p       LAYER
 -----------------------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------
   1 D  0.3040      -3.7011E-04  10.00        3.040       10.00       5.300         ACTIVE  0.000        0.000       0.000        1.000        1.000
3.040        0.000        0.000     Strato1_2_8_L_0
   2 D  0.6575      -3.7072E-04  10.81        3.288       10.81       5.732         ACTIVE  0.000      -0.2000       0.000        1.000        1.000
3.288        0.000        0.000     Strato1_2_8_L_0
   3 D  1.910       -3.7133E-04  31.41        9.550       31.41       16.65         ACTIVE  0.000      -0.4000       0.000        1.000        1.000
9.550        0.000        0.000     Strato1_2_8_L_0
   4 D  2.005       -3.7194E-04  32.97        10.02       32.97       17.47         ACTIVE  0.000      -0.6000       0.000        1.000        1.000
10.02        0.000        0.000     Strato1_2_8_L_0
   5 D  2.751       -3.7256E-04  45.25        13.76       45.25       23.98         ACTIVE  0.000      -0.8000       0.000        1.000        1.000
13.76        0.000        0.000     Strato1_2_8_L_0
   6 D  2.841       -3.7318E-04  46.73        14.21       46.73       24.77         ACTIVE  0.000       -1.000       0.000        1.000        1.000
14.21        0.000        0.000     Strato1_2_8_L_0
   7 D  3.396       -3.7382E-04  55.86        16.98       55.86       29.60         ACTIVE  0.000       -1.200       0.000        1.000        1.000
16.98        0.000        0.000     Strato1_2_8_L_0
   8 D  3.502       -3.7447E-04  57.60        17.51       57.60       30.53         ACTIVE  0.000       -1.400       0.000        1.000        1.000
17.51        0.000        0.000     Strato1_2_8_L_0
   9 D  3.925       -3.7515E-04  64.56        19.63       64.56       34.22         ACTIVE  0.000       -1.600       0.000        1.000        1.000
19.63        0.000        0.000     Strato1_2_8_L_0
  10 D  4.051       -3.7587E-04  66.63        20.26       66.63       35.31         ACTIVE  0.000       -1.800       0.000        1.000        1.000
20.26        0.000        0.000     Strato1_2_8_L_0
```

11 D	4.590	-3.7664E-04	73.46	22.95	73.46	38.94	UL-RL	4.2442E+04	-2.000	0.000	1.000	1.000	22.95	0.000	0.000	Strato1_2_8_L_0
12 D	4.822	-3.7747E-04	75.72	24.11	75.72	40.13	UL-RL	4.2442E+04	-2.200	0.000	1.000	1.000	24.11	0.000	0.000	Strato1_2_8_L_0
13 D	5.479	-3.7834E-04	81.98	27.39	81.98	43.45	UL-RL	4.2442E+04	-2.400	0.000	1.000	1.000	27.39	0.000	0.000	Strato1_2_8_L_0
14 D	5.727	-3.7928E-04	84.40	28.63	84.40	44.73	UL-RL	4.2442E+04	-2.600	0.000	1.000	1.000	28.63	0.000	0.000	Strato1_2_8_L_0
15 D	6.340	-3.8028E-04	90.27	31.70	90.27	47.84	UL-RL	4.2442E+04	-2.800	0.000	1.000	1.000	31.70	0.000	0.000	Strato1_2_8_L_0
16 D	6.562	-3.8133E-04	92.44	32.81	92.44	49.00	UL-RL	4.2442E+04	-3.000	0.000	1.000	1.000	32.81	0.000	0.000	Strato1_2_8_L_0
17 D	7.147	-3.8243E-04	98.05	35.73	98.05	51.96	UL-RL	4.2442E+04	-3.200	0.000	1.000	1.000	35.73	0.000	0.000	Strato1_2_8_L_0
18 D	7.421	-3.8358E-04	100.7	37.11	100.7	53.39	UL-RL	4.2442E+04	-3.400	0.000	1.000	1.000	37.11	0.000	0.000	Strato1_2_8_L_0
19 D	7.981	-3.8478E-04	106.1	39.91	106.1	56.24	UL-RL	4.2442E+04	-3.600	0.000	1.000	1.000	39.91	0.000	0.000	Strato1_2_8_L_0
20 D	8.264	-3.8601E-04	108.9	41.32	108.9	57.70	UL-RL	4.2442E+04	-3.800	0.000	1.000	1.000	41.32	0.000	0.000	Strato1_2_8_L_0
21 D	8.805	-3.8726E-04	114.1	44.03	114.1	60.46	UL-RL	4.2442E+04	-4.000	0.000	1.000	1.000	44.03	0.000	0.000	Strato1_2_8_L_0
22 D	9.096	-3.8854E-04	116.9	45.48	116.9	61.97	UL-RL	4.2442E+04	-4.200	0.000	1.000	1.000	45.48	0.000	0.000	Strato1_2_8_L_0
23 D	9.622	-3.8982E-04	122.0	48.11	122.0	64.66	UL-RL	4.2442E+04	-4.400	0.000	1.000	1.000	48.11	0.000	0.000	Strato1_2_8_L_0
24 D	9.894	-3.9111E-04	124.7	49.47	124.7	66.07	UL-RL	4.2442E+04	-4.600	0.000	1.000	1.000	49.47	0.000	0.000	Strato1_2_8_L_0
25 D	10.41	-3.9238E-04	129.6	52.04	129.6	68.70	UL-RL	4.2442E+04	-4.800	0.000	1.000	1.000	52.04	0.000	0.000	Strato1_2_8_L_0
26 D	10.71	-3.9363E-04	132.6	53.57	132.6	70.28	UL-RL	4.2442E+04	-5.000	0.000	1.000	1.000	53.57	0.000	0.000	Strato1_2_8_L_0
27 D	11.22	-3.9485E-04	137.5	56.10	137.5	72.85	UL-RL	4.2442E+04	-5.200	0.000	1.000	1.000	56.10	0.000	0.000	Strato1_2_8_L_0
28 D	11.53	-3.9603E-04	140.5	57.65	140.5	74.46	UL-RL	4.2442E+04	-5.400	0.000	1.000	1.000	57.65	0.000	0.000	Strato1_2_8_L_0
29 D	12.03	-3.9714E-04	145.3	60.14	145.3	76.99	UL-RL	4.2442E+04	-5.600	0.000	1.000	1.000	60.14	0.000	0.000	Strato1_2_8_L_0
30 D	12.34	-3.9817E-04	148.3	61.72	148.3	78.62	UL-RL	4.2442E+04	-5.800	0.000	1.000	1.000	61.72	0.000	0.000	Strato1_2_8_L_0
31 D	12.82	-3.9912E-04	152.9	64.08	152.9	81.02	UL-RL	4.2442E+04	-6.000	0.000	1.000	1.000	64.08	0.000	0.000	Strato1_2_8_L_0
32 D	13.14	-3.9997E-04	156.0	65.70	156.0	82.67	UL-RL	4.2442E+04	-6.200	0.000	1.000	1.000	65.70	0.000	0.000	Strato1_2_8_L_0
33 D	13.63	-4.0069E-04	160.6	68.13	160.6	85.14	UL-RL	4.2442E+04	-6.400	0.000	1.000	1.000	68.13	0.000	0.000	Strato1_2_8_L_0
34 D	13.96	-4.0127E-04	163.8	69.78	163.8	86.81	UL-RL	4.2442E+04	-6.600	0.000	1.000	1.000	69.78	0.000	0.000	Strato1_2_8_L_0
35 D	14.44	-4.0170E-04	168.4	72.20	168.4	89.25	UL-RL	4.2442E+04	-6.800	0.000	1.000	1.000	72.20	0.000	0.000	Strato1_2_8_L_0
36 D	14.78	-4.0195E-04	171.6	73.88	171.6	90.94	UL-RL	4.2442E+04	-7.000	0.000	1.000	1.000	73.88	0.000	0.000	Strato1_2_8_L_0
37 D	15.26	-4.0201E-04	176.1	76.28	176.1	93.35	UL-RL	4.2442E+04	-7.200	0.000	1.000	1.000	76.28	0.000	0.000	Strato1_2_8_L_0
38 D	15.60	-4.0186E-04	179.3	78.00	179.3	95.05	UL-RL	4.2442E+04	-7.400	0.000	1.000	1.000	78.00	0.000	0.000	Strato1_2_8_L_0
39 D	16.06	-4.0147E-04	183.7	80.32	183.7	97.36	UL-RL	4.2442E+04	-7.600	0.000	1.000	1.000	80.32	0.000	0.000	Strato1_2_8_L_0
40 D	16.41	-4.0083E-04	186.9	82.07	186.9	99.08	UL-RL	4.2442E+04	-7.800	0.000	1.000	1.000	82.07	0.000	0.000	Strato1_2_8_L_0
41 D	16.90	-3.9992E-04	191.4	84.48	191.4	101.5	UL-RL	4.2442E+04	-8.000	0.000	1.000	1.000	84.48	0.000	0.000	Strato1_2_8_L_0
42 D	17.25	-3.9872E-04	194.7	86.26	194.7	103.2	UL-RL	4.2442E+04	-8.200	0.000	1.000	1.000	86.26	0.000	0.000	Strato1_2_8_L_0
43 D	17.74	-3.9720E-04	199.1	88.68	199.1	105.5	UL-RL	4.2442E+04	-8.400	0.000	1.000	1.000	88.68	0.000	0.000	Strato1_2_8_L_0
44 D	18.10	-3.9534E-04	202.4	90.50	202.4	107.3	UL-RL	4.2442E+04	-8.600	0.000	1.000	1.000	90.50	0.000	0.000	Strato1_2_8_L_0
45 D	18.59	-3.9312E-04	206.8	92.93	206.8	109.6	UL-RL	4.2442E+04	-8.800	0.000	1.000	1.000	92.93	0.000	0.000	Strato1_2_8_L_0
46 D	18.95	-3.9053E-04	210.0	94.73	210.0	111.3	UL-RL	4.2442E+04	-9.000	0.000	1.000	1.000	94.73	0.000	0.000	Strato1_2_8_L_0
47 D	19.44	-3.8754E-04	214.4	97.18	214.4	113.6	UL-RL	4.2442E+04	-9.200	0.000	1.000	1.000	97.18	0.000	0.000	Strato1_2_8_L_0
48 D	19.82	-3.8414E-04	217.7	99.09	217.7	115.4	UL-RL	4.2442E+04	-9.400	0.000	1.000	1.000	99.09	0.000	0.000	Strato1_2_8_L_0
49 D	20.31	-3.8030E-04	222.1	101.6	222.1	117.7	UL-RL	4.2442E+04	-9.600	0.000	1.000	1.000	101.6	0.000	0.000	Strato1_2_8_L_0
50 D	20.70	-3.7602E-04	225.4	103.5	225.4	119.5	UL-RL	4.2442E+04	-9.800	0.000	1.000	1.000	103.5	0.000	0.000	Strato1_2_8_L_0
51 D	21.20	-3.7127E-04	229.8	106.0	229.8	121.8	UL-RL	4.2442E+04	-10.00	0.000	1.000	1.000	106.0	0.000	0.000	Strato1_2_8_L_0
52 D	21.60	-3.6605E-04	233.1	108.0	233.1	123.6	UL-RL	4.2442E+04	-10.20	0.000	1.000	1.000	108.0	0.000	0.000	Strato1_2_8_L_0
53 D	22.11	-3.6035E-04	237.4	110.5	237.4	125.8	UL-RL	4.2442E+04	-10.40	0.000	1.000	1.000				

110.5	0.000	0.000	Strato1_2_8_L_0									
54 D	22.51	-3.5416E-04	240.7	112.5	240.7	127.6	UL-RL	4.2442E+04	-10.60	0.000	1.000	1.000
112.5	0.000	0.000	Strato1_2_8_L_0									
55 D	23.02	-3.4749E-04	245.0	115.1	245.0	129.8	UL-RL	4.2442E+04	-10.80	0.000	1.000	1.000
115.1	0.000	0.000	Strato1_2_8_L_0									
56 D	23.44	-3.4034E-04	248.4	117.2	248.4	131.6	UL-RL	4.2442E+04	-11.00	0.000	1.000	1.000
117.2	0.000	0.000	Strato1_2_8_L_0									
57 D	23.96	-3.3271E-04	252.7	119.8	252.7	133.9	UL-RL	4.2442E+04	-11.20	0.000	1.000	1.000
119.8	0.000	0.000	Strato1_2_8_L_0									
58 D	24.39	-3.2463E-04	256.1	121.9	256.1	135.7	UL-RL	4.2442E+04	-11.40	0.000	1.000	1.000
121.9	0.000	0.000	Strato1_2_8_L_0									
59 D	24.91	-3.1612E-04	260.3	124.6	260.3	138.0	UL-RL	4.2442E+04	-11.60	0.000	1.000	1.000
124.6	0.000	0.000	Strato1_2_8_L_0									
60 D	25.35	-3.0720E-04	263.7	126.7	263.7	139.8	UL-RL	4.2442E+04	-11.80	0.000	1.000	1.000
126.7	0.000	0.000	Strato1_2_8_L_0									
61 D	25.87	-2.9793E-04	267.9	129.3	267.9	142.0	UL-RL	4.2442E+04	-12.00	0.000	1.000	1.000
129.3	0.000	0.000	Strato1_2_8_L_0									
62 D	26.31	-2.8834E-04	271.3	131.6	271.3	143.8	UL-RL	4.2442E+04	-12.20	0.000	1.000	1.000
131.6	0.000	0.000	Strato1_2_8_L_0									
63 D	26.84	-2.7849E-04	275.5	134.2	275.5	146.0	UL-RL	4.2442E+04	-12.40	0.000	1.000	1.000
134.2	0.000	0.000	Strato1_2_8_L_0									
64 D	27.29	-2.6846E-04	279.0	136.5	279.0	147.9	UL-RL	4.2442E+04	-12.60	0.000	1.000	1.000
136.5	0.000	0.000	Strato1_2_8_L_0									
65 D	27.83	-2.5834E-04	283.2	139.1	283.2	150.1	UL-RL	4.2442E+04	-12.80	0.000	1.000	1.000
139.1	0.000	0.000	Strato1_2_8_L_0									
66 D	28.28	-2.4821E-04	286.7	141.4	286.7	151.9	UL-RL	4.2442E+04	-13.00	0.000	1.000	1.000
141.4	0.000	0.000	Strato1_2_8_L_0									
67 D	23.38	-2.3818E-04	291.0	116.9	291.0	145.5	UL-RL	1.2006E+05	-13.20	0.000	1.000	1.000
116.9	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.98	-2.2839E-04	294.6	119.9	294.6	147.3	UL-RL	1.2006E+05	-13.40	0.000	1.000	1.000
119.9	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.64	-2.1892E-04	298.9	123.2	298.9	149.5	UL-RL	1.2006E+05	-13.60	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.22	-2.0985E-04	302.6	126.1	302.6	151.3	UL-RL	1.2006E+05	-13.80	0.000	1.000	1.000
126.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.86	-2.0125E-04	307.0	129.3	307.0	153.5	UL-RL	1.2006E+05	-14.00	0.000	1.000	1.000
129.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.43	-1.9314E-04	310.7	132.1	310.7	155.3	UL-RL	1.2006E+05	-14.20	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.05	-1.8555E-04	315.0	135.2	315.0	157.5	UL-RL	1.2006E+05	-14.40	0.000	1.000	1.000
135.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.58	-1.7849E-04	318.7	137.9	318.7	159.4	UL-RL	1.2006E+05	-14.60	0.000	1.000	1.000
137.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.18	-1.7195E-04	323.1	140.9	323.1	161.5	UL-RL	1.2006E+05	-14.80	0.000	1.000	1.000
140.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.68	-1.6590E-04	326.7	143.4	326.7	163.3	UL-RL	1.2006E+05	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.25	-1.6034E-04	331.0	146.3	331.0	165.5	UL-RL	1.2006E+05	-15.20	0.000	1.000	1.000
146.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.75	-1.5523E-04	334.7	148.7	334.7	167.4	UL-RL	1.2006E+05	-15.40	0.000	1.000	1.000
148.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.29	-1.5054E-04	339.1	151.5	339.1	169.5	UL-RL	1.2006E+05	-15.60	0.000	1.000	1.000
151.5	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.77	-1.4621E-04	342.8	153.8	342.8	171.4	UL-RL	1.2006E+05	-15.80	0.000	1.000	1.000
153.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	31.30	-1.4222E-04	347.1	156.5	347.1	173.6	UL-RL	1.2006E+05	-16.00	0.000	1.000	1.000
156.5	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.82	-1.3852E-04	351.4	159.1	351.4	175.7	UL-RL	1.2006E+05	-16.20	0.000	1.000	1.000
159.1	0.000	0.000	Strato2_3095_82743_L_0									
83 D	32.27	-1.3506E-04	355.1	161.4	355.1	177.6	UL-RL	1.2006E+05	-16.40	0.000	1.000	1.000
161.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	32.77	-1.3181E-04	359.4	163.9	359.4	179.7	UL-RL	1.2006E+05	-16.60	0.000	1.000	1.000
163.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	33.22	-1.2871E-04	363.1	166.1	363.1	181.6	UL-RL	1.2006E+05	-16.80	0.000	1.000	1.000
166.1	0.000	0.000	Strato2_3095_82743_L_0									
86 D	33.72	-1.2574E-04	367.4	168.6	367.4	183.7	UL-RL	1.2006E+05	-17.00	0.000	1.000	1.000
168.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	34.16	-1.2286E-04	371.1	170.8	371.1	185.6	UL-RL	1.2006E+05	-17.20	0.000	1.000	1.000
170.8	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.66	-1.2004E-04	375.4	173.3	375.4	187.7	UL-RL	1.2006E+05	-17.40	0.000	1.000	1.000
173.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.10	-1.1726E-04	379.2	175.5	379.2	189.6	UL-RL	1.2006E+05	-17.60	0.000	1.000	1.000
175.5	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.60	-1.1449E-04	383.5	178.0	383.5	191.7	UL-RL	1.2006E+05	-17.80	0.000	1.000	1.000
178.0	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.02	-1.1172E-04	387.1	180.2	387.1	193.6	UL-RL	1.2006E+05	-18.00	0.000	1.000	1.000
180.2	0.000	0.000	Strato2_3095_82743_L_0									

| Exe Time :29 July 2019 18:00:07 |

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	3.7011E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.131	3.7072E-04	3.800	5.654	3.800	5.654	V-C	9817.	-0.2000	0.000	1.000	1.000	5.654	0.000	0.000	Strato1_2_8_L_0
3 D	1.535	3.7133E-04	7.600	7.674	7.600	7.674	V-C	9817.	-0.4000	0.000	1.000	1.000	7.674	0.000	0.000	Strato1_2_8_L_0
4 D	1.939	3.7194E-04	11.40	9.694	11.40	9.694	V-C	9817.	-0.6000	0.000	1.000	1.000	9.694	0.000	0.000	Strato1_2_8_L_0
5 D	2.343	3.7256E-04	15.20	11.71	15.20	11.71	V-C	9817.	-0.8000	0.000	1.000	1.000	11.71	0.000	0.000	Strato1_2_8_L_0
6 D	2.747	3.7318E-04	19.00	13.73	19.00	13.73	V-C	9817.	-1.000	0.000	1.000	1.000	13.73	0.000	0.000	Strato1_2_8_L_0
7 D	3.151	3.7382E-04	22.80	15.75	22.80	15.75	V-C	9817.	-1.200	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
8 D	3.555	3.7447E-04	26.60	17.77	26.60	17.77	V-C	9817.	-1.400	0.000	1.000	1.000	17.77	0.000	0.000	Strato1_2_8_L_0
9 D	3.959	3.7515E-04	30.40	19.80	30.40	19.80	V-C	9817.	-1.600	0.000	1.000	1.000	19.80	0.000	0.000	Strato1_2_8_L_0
10 D	4.363	3.7587E-04	34.20	21.82	34.20	21.82	V-C	9817.	-1.800	0.000	1.000	1.000	21.82	0.000	0.000	Strato1_2_8_L_0
11 D	4.768	3.7664E-04	38.00	23.84	38.00	23.84	V-C	9817.	-2.000	0.000	1.000	1.000	23.84	0.000	0.000	Strato1_2_8_L_0
12 D	5.172	3.7747E-04	41.80	25.86	41.80	25.86	V-C	9817.	-2.200	0.000	1.000	1.000	25.86	0.000	0.000	Strato1_2_8_L_0
13 D	5.576	3.7834E-04	45.60	27.88	45.60	27.88	V-C	9817.	-2.400	0.000	1.000	1.000	27.88	0.000	0.000	Strato1_2_8_L_0
14 D	5.981	3.7928E-04	49.40	29.91	49.40	29.91	V-C	9817.	-2.600	0.000	1.000	1.000	29.91	0.000	0.000	Strato1_2_8_L_0
15 D	6.386	3.8028E-04	53.20	31.93	53.20	31.93	V-C	9817.	-2.800	0.000	1.000	1.000	31.93	0.000	0.000	Strato1_2_8_L_0
16 D	6.791	3.8133E-04	57.00	33.95	57.00	33.95	V-C	9817.	-3.000	0.000	1.000	1.000	33.95	0.000	0.000	Strato1_2_8_L_0
17 D	7.196	3.8243E-04	60.80	35.98	60.80	35.98	V-C	9817.	-3.200	0.000	1.000	1.000	35.98	0.000	0.000	Strato1_2_8_L_0
18 D	7.601	3.8358E-04	64.60	38.00	64.60	38.00	V-C	9817.	-3.400	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_2_8_L_0
19 D	8.006	3.8478E-04	68.40	40.03	68.40	40.03	V-C	9817.	-3.600	0.000	1.000	1.000	40.03	0.000	0.000	Strato1_2_8_L_0
20 D	8.411	3.8601E-04	72.20	42.06	72.20	42.06	V-C	9817.	-3.800	0.000	1.000	1.000	42.06	0.000	0.000	Strato1_2_8_L_0
21 D	8.816	3.8726E-04	76.00	44.08	76.00	44.08	V-C	9817.	-4.000	0.000	1.000	1.000	44.08	0.000	0.000	Strato1_2_8_L_0
22 D	9.222	3.8854E-04	79.80	46.11	79.80	46.11	V-C	9817.	-4.200	0.000	1.000	1.000	46.11	0.000	0.000	Strato1_2_8_L_0
23 D	9.627	3.8982E-04	83.60	48.14	83.60	48.14	V-C	9817.	-4.400	0.000	1.000	1.000	48.14	0.000	0.000	Strato1_2_8_L_0
24 D	10.03	3.9111E-04	87.40	50.16	87.40	50.16	V-C	9817.	-4.600	0.000	1.000	1.000	50.16	0.000	0.000	Strato1_2_8_L_0
25 D	10.44	3.9238E-04	91.20	52.19	91.20	52.19	V-C	9817.	-4.800	0.000	1.000	1.000	52.19	0.000	0.000	Strato1_2_8_L_0
26 D	10.84	3.9363E-04	95.00	54.21	95.00	54.21	V-C	9817.	-5.000	0.000	1.000	1.000	54.21	0.000	0.000	Strato1_2_8_L_0
27 D	11.25	3.9485E-04	98.80	56.24	98.80	56.24	V-C	9817.	-5.200	0.000	1.000	1.000	56.24	0.000	0.000	Strato1_2_8_L_0
28 D	11.65	3.9603E-04	102.6	58.25	102.6	58.27	UL-RL	2.9452E+04	-5.400	0.000	1.000	1.000	58.25	0.000	0.000	Strato1_2_8_L_0
29 D	12.05	3.9714E-04	106.4	60.25	106.4	60.31	UL-RL	2.9452E+04	-5.600	0.000	1.000	1.000	60.25	0.000	0.000	Strato1_2_8_L_0
30 D	12.45	3.9817E-04	110.2	62.26	110.2	62.34	UL-RL	2.9452E+04	-5.800	0.000	1.000	1.000	62.26	0.000	0.000	Strato1_2_8_L_0
31 D	12.85	3.9912E-04	114.0	64.27	114.0	64.37	UL-RL	2.9452E+04	-6.000	0.000	1.000	1.000	64.27	0.000	0.000	Strato1_2_8_L_0
32 D	13.26	3.9997E-04	117.8	66.28	117.8	66.40	UL-RL	2.9452E+04	-6.200	0.000	1.000	1.000	66.28	0.000	0.000	Strato1_2_8_L_0
33 D	13.66	4.0069E-04	121.6	68.29	121.6	68.43	UL-RL	2.9452E+04	-6.400	0.000	1.000	1.000	68.29	0.000	0.000	Strato1_2_8_L_0

34 D	14.06	4.0127E-04	125.4	70.31	125.4	70.45	UL-RL	2.9452E+04	-6.600	0.000	1.000	1.000
70.31	0.000	0.000	Strato1_2_8_L_0									
35 D	14.46	4.0170E-04	129.2	72.32	129.2	72.47	UL-RL	2.9452E+04	-6.800	0.000	1.000	1.000
72.32	0.000	0.000	Strato1_2_8_L_0									
36 D	14.87	4.0195E-04	133.0	74.33	133.0	74.49	UL-RL	2.9452E+04	-7.000	0.000	1.000	1.000
74.33	0.000	0.000	Strato1_2_8_L_0									
37 D	15.27	4.0201E-04	136.8	76.35	136.8	76.50	UL-RL	2.9452E+04	-7.200	0.000	1.000	1.000
76.35	0.000	0.000	Strato1_2_8_L_0									
38 D	15.67	4.0186E-04	140.6	78.36	140.6	78.52	UL-RL	2.9452E+04	-7.400	0.000	1.000	1.000
78.36	0.000	0.000	Strato1_2_8_L_0									
39 D	16.07	4.0147E-04	144.4	80.37	144.4	80.53	UL-RL	2.9452E+04	-7.600	0.000	1.000	1.000
80.37	0.000	0.000	Strato1_2_8_L_0									
40 D	16.48	4.0083E-04	148.2	82.38	148.2	82.53	UL-RL	2.9452E+04	-7.800	0.000	1.000	1.000
82.38	0.000	0.000	Strato1_2_8_L_0									
41 D	16.88	3.9992E-04	152.0	84.39	152.0	84.54	UL-RL	2.9452E+04	-8.000	0.000	1.000	1.000
84.39	0.000	0.000	Strato1_2_8_L_0									
42 D	17.28	3.9872E-04	155.8	86.39	155.8	86.54	UL-RL	2.9452E+04	-8.200	0.000	1.000	1.000
86.39	0.000	0.000	Strato1_2_8_L_0									
43 D	17.68	3.9720E-04	159.6	88.40	159.6	88.53	UL-RL	2.9452E+04	-8.400	0.000	1.000	1.000
88.40	0.000	0.000	Strato1_2_8_L_0									
44 D	18.08	3.9534E-04	163.4	90.40	163.4	90.53	UL-RL	2.9452E+04	-8.600	0.000	1.000	1.000
90.40	0.000	0.000	Strato1_2_8_L_0									
45 D	18.48	3.9312E-04	167.2	92.39	167.2	92.52	UL-RL	2.9452E+04	-8.800	0.000	1.000	1.000
92.39	0.000	0.000	Strato1_2_8_L_0									
46 D	18.88	3.9053E-04	171.0	94.39	171.0	94.50	UL-RL	2.9452E+04	-9.000	0.000	1.000	1.000
94.39	0.000	0.000	Strato1_2_8_L_0									
47 D	19.28	3.8754E-04	174.8	96.38	174.8	96.49	UL-RL	2.9452E+04	-9.200	0.000	1.000	1.000
96.38	0.000	0.000	Strato1_2_8_L_0									
48 D	19.67	3.8414E-04	178.6	98.36	178.6	98.46	UL-RL	2.9452E+04	-9.400	0.000	1.000	1.000
98.36	0.000	0.000	Strato1_2_8_L_0									
49 D	20.07	3.8030E-04	182.4	100.3	182.4	100.4	UL-RL	2.9452E+04	-9.600	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.46	3.7602E-04	186.2	102.3	186.2	102.4	UL-RL	2.9452E+04	-9.800	0.000	1.000	1.000
102.3	0.000	0.000	Strato1_2_8_L_0									
51 D	20.86	3.7127E-04	190.0	104.3	190.0	104.4	UL-RL	2.9452E+04	-10.00	0.000	1.000	1.000
104.3	0.000	0.000	Strato1_2_8_L_0									
52 D	21.25	3.6605E-04	193.8	106.3	193.8	106.3	UL-RL	2.9452E+04	-10.20	0.000	1.000	1.000
106.3	0.000	0.000	Strato1_2_8_L_0									
53 D	21.64	3.6035E-04	197.6	108.2	197.6	108.3	UL-RL	2.9452E+04	-10.40	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
54 D	22.04	3.5416E-04	201.4	110.2	201.4	110.2	UL-RL	2.9452E+04	-10.60	0.000	1.000	1.000
110.2	0.000	0.000	Strato1_2_8_L_0									
55 D	22.43	3.4749E-04	205.2	112.1	205.2	112.2	UL-RL	2.9452E+04	-10.80	0.000	1.000	1.000
112.1	0.000	0.000	Strato1_2_8_L_0									
56 D	22.82	3.4034E-04	209.0	114.1	209.0	114.1	UL-RL	2.9452E+04	-11.00	0.000	1.000	1.000
114.1	0.000	0.000	Strato1_2_8_L_0									
57 D	23.20	3.3271E-04	212.8	116.0	212.8	116.1	UL-RL	2.9452E+04	-11.20	0.000	1.000	1.000
116.0	0.000	0.000	Strato1_2_8_L_0									
58 D	23.59	3.2463E-04	216.6	118.0	216.6	118.0	UL-RL	2.9452E+04	-11.40	0.000	1.000	1.000
118.0	0.000	0.000	Strato1_2_8_L_0									
59 D	23.98	3.1612E-04	220.4	119.9	220.4	119.9	UL-RL	2.9452E+04	-11.60	0.000	1.000	1.000
119.9	0.000	0.000	Strato1_2_8_L_0									
60 D	24.37	3.0720E-04	224.2	121.8	224.2	121.9	UL-RL	2.9452E+04	-11.80	0.000	1.000	1.000
121.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.75	2.9793E-04	228.0	123.8	228.0	123.8	UL-RL	2.9452E+04	-12.00	0.000	1.000	1.000
123.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.13	2.8834E-04	231.8	125.7	231.8	125.7	UL-RL	2.9452E+04	-12.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato1_2_8_L_0									
63 D	25.52	2.7849E-04	235.6	127.6	235.6	127.6	UL-RL	2.9452E+04	-12.40	0.000	1.000	1.000
127.6	0.000	0.000	Strato1_2_8_L_0									
64 D	25.90	2.6846E-04	239.4	129.5	239.4	129.5	UL-RL	2.9452E+04	-12.60	0.000	1.000	1.000
129.5	0.000	0.000	Strato1_2_8_L_0									
65 D	26.29	2.5834E-04	243.2	131.4	243.2	131.4	UL-RL	2.9452E+04	-12.80	0.000	1.000	1.000
131.4	0.000	0.000	Strato1_2_8_L_0									
66 D	26.67	2.4821E-04	247.0	133.3	247.0	133.3	UL-RL	2.9452E+04	-13.00	0.000	1.000	1.000
133.3	0.000	0.000	Strato1_2_8_L_0									
67 D	26.12	2.3818E-04	250.9	130.6	250.9	130.6	UL-RL	6.5071E+04	-13.20	0.000	1.000	1.000
130.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.48	2.2839E-04	254.9	132.4	254.9	132.4	UL-RL	6.5071E+04	-13.40	0.000	1.000	1.000
132.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.84	2.1892E-04	258.9	134.2	258.9	134.2	UL-RL	6.5071E+04	-13.60	0.000	1.000	1.000
134.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.20	2.0985E-04	262.9	136.0	262.9	136.0	V-C	2.1690E+04	-13.80	0.000	1.000	1.000
136.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.56	2.0125E-04	266.9	137.8	266.9	137.8	V-C	2.1690E+04	-14.00	0.000	1.000	1.000
137.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.93	1.9314E-04	270.9	139.6	270.9	139.6	V-C	2.1690E+04	-14.20	0.000	1.000	1.000
139.6	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.29	1.8555E-04	274.9	141.5	274.9	141.5	V-C	2.1690E+04	-14.40	0.000	1.000	1.000
141.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.66	1.7849E-04	278.9	143.3	278.9	143.3	V-C	2.1690E+04	-14.60	0.000	1.000	1.000
143.3	0.000	0.000	Strato2_3095_82743_L_0									
75 D	29.04	1.7195E-04	282.9	145.2	282.9	145.2	V-C	2.1690E+04	-14.80	0.000	1.000	1.000
145.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.41	1.6590E-04	286.9	147.0	286.9	147.0	V-C	2.1690E+04	-15.00	0.000	1.000	1.000

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147.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.79      1.6034E-04  290.9       148.9       290.9       148.9            V-C  2.1690E+04  -15.20       0.000       1.000       1.000
148.9       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.16      1.5523E-04  294.9       150.8       294.9       150.8            V-C  2.1690E+04  -15.40       0.000       1.000       1.000
150.8       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.54      1.5054E-04  298.9       152.7       298.9       152.7            V-C  2.1690E+04  -15.60       0.000       1.000       1.000
152.7       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.92      1.4621E-04  302.9       154.6       302.9       154.6            V-C  2.1690E+04  -15.80       0.000       1.000       1.000
154.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   31.31      1.4222E-04  306.9       156.5       306.9       156.5            V-C  2.1690E+04  -16.00       0.000       1.000       1.000
156.5       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.69      1.3852E-04  310.9       158.5       310.9       158.5          UL-RL  6.5071E+04  -16.20       0.000       1.000       1.000
158.5       0.000       0.000     Strato2_3095_82743_L_0
  83 D   32.08      1.3506E-04  314.9       160.4       314.9       160.4          UL-RL  6.5071E+04  -16.40       0.000       1.000       1.000
160.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   32.46      1.3181E-04  318.9       162.3       318.9       162.3          UL-RL  6.5071E+04  -16.60       0.000       1.000       1.000
162.3       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.85      1.2871E-04  322.9       164.2       322.9       164.2          UL-RL  6.5071E+04  -16.80       0.000       1.000       1.000
164.2       0.000       0.000     Strato2_3095_82743_L_0
  86 D   33.24      1.2574E-04  326.9       166.2       326.9       166.2          UL-RL  6.5071E+04  -17.00       0.000       1.000       1.000
166.2       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.62      1.2286E-04  330.9       168.1       330.9       168.1          UL-RL  6.5071E+04  -17.20       0.000       1.000       1.000
168.1       0.000       0.000     Strato2_3095_82743_L_0
  88 D   34.01      1.2004E-04  334.9       170.1       334.9       170.1          UL-RL  6.5071E+04  -17.40       0.000       1.000       1.000
170.1       0.000       0.000     Strato2_3095_82743_L_0
  89 D   34.40      1.1726E-04  338.9       172.0       338.9       172.0          UL-RL  6.5071E+04  -17.60       0.000       1.000       1.000
172.0       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.79      1.1449E-04  342.9       173.9       342.9       173.9          UL-RL  6.5071E+04  -17.80       0.000       1.000       1.000
173.9       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.59      1.1172E-04  346.9       175.9       346.9       175.9          UL-RL  6.5071E+04  -18.00       0.000       1.000       1.000
175.9       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                   Exe Time :29 July 2019      18:00:07                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------
     1 0.30400    -0.30400    -4.10694E-12 6.08000E-02
     2-0.16916     0.16916    -6.08000E-02 2.69671E-02
     3 0.20607    -0.20607    -2.69671E-02 6.81802E-02
     4 0.27194    -0.27194    -6.81802E-02 0.12257
     5 0.68070    -0.68070    -0.12257     0.25871
     6 0.77511    -0.77511    -0.25871     0.41373
     7  1.0205     -1.0205    -0.41373     0.61783
     8 0.96751    -0.96751    -0.61783     0.81133
     9 0.93372    -0.93372    -0.81133     0.99807
    10 0.62160    -0.62160    -0.99807      1.1224
    11 0.44405    -0.44405     -1.1224      1.2112
    12 9.44456E-02-9.44456E-02 -1.2112      1.2301
    13-3.44455E-03 3.44455E-03 -1.2301      1.2294
    14-0.25778     0.25778     -1.2294      1.1778
    15-0.30343     0.30343     -1.1778      1.1172
    16-0.53194     0.53194     -1.1172      1.0108
    17-0.58087     0.58087     -1.0108     0.89460
    18-0.76045     0.76045    -0.89460     0.74251
    19-0.78512     0.78512    -0.74251     0.58548
    20-0.93179     0.93179    -0.58548     0.39912
    21-0.94278     0.94278    -0.39912     0.21057
    22 -1.0681      1.0681    -0.21057    -3.05325E-03
    23 -1.0730      1.0730     3.05325E-03-0.21765
    24 -1.2111      1.2111     0.21765    -0.45987
    25 -1.2398      1.2398     0.45987    -0.70783
    26 -1.3758      1.3758     0.70783    -0.98299
    27 -1.4065      1.4065     0.98299     -1.2643
    28 -1.5260      1.5260      1.2643     -1.5695
    29 -1.5493      1.5493      1.5695     -1.8793
    30 -1.6567      1.6567      1.8793     -2.2107
    31 -1.6952      1.6952      2.2107     -2.5497
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32	-1.8119	1.8119	2.5497	-2.9121
33	-1.8442	1.8442	2.9121	-3.2809
34	-1.9494	1.9494	3.2809	-3.6708
35	-1.9737	1.9737	3.6708	-4.0656
36	-2.0649	2.0649	4.0656	-4.4786
37	-2.0771	2.0771	4.4786	-4.8940
38	-2.1495	2.1495	4.8940	-5.3239
39	-2.1591	2.1591	5.3239	-5.7557
40	-2.2211	2.2211	5.7557	-6.1999
41	-2.2029	2.2029	6.1999	-6.6405
42	-2.2289	2.2289	6.6405	-7.0863
43	-2.1724	2.1724	7.0863	-7.5208
44	-2.1511	2.1511	7.5208	-7.9510
45	-2.0435	2.0435	7.9510	-8.3597
46	-1.9749	1.9749	8.3597	-8.7547
47	-1.8146	1.8146	8.7547	-9.1176
48	-1.6692	1.6692	9.1176	-9.4514
49	-1.4260	1.4260	9.4514	-9.7366
50	-1.1867	1.1867	9.7366	-9.9740
51	-0.84253	0.84253	9.9740	-10.142
52	-0.49083	0.49083	10.142	-10.241
53	-2.65242E-02	2.65242E-02	10.241	-10.246
54	0.44564	-0.44564	10.246	-10.157
55	1.0387	-1.0387	10.157	-9.9491
56	1.6630	-1.6630	9.9491	-9.6165
57	2.4162	-2.4162	9.6165	-9.1332
58	3.2118	-3.2118	9.1332	-8.4909
59	4.1438	-4.1438	8.4909	-7.6621
60	5.1283	-5.1283	7.6621	-6.6365
61	6.2455	-6.2455	6.6365	-5.3873
62	7.4237	-7.4237	5.3873	-3.9026
63	8.7494	-8.7494	3.9026	-2.1527
64	10.142	-10.142	2.1527	-0.12440
65	11.683	-11.683	0.12440	2.2122
66	13.293	-13.293	-2.2122	4.8709
67	10.548	-10.548	-4.8709	6.9804
68	8.0452	-8.0452	-6.9804	8.5894
69	5.8409	-5.8409	-8.5894	9.7576
70	3.8606	-3.8606	-9.7576	10.530
71	2.1615	-2.1615	-10.530	10.962
72	0.66093	-0.66093	-10.962	11.094
73	-0.58810	0.58810	-11.094	10.977
74	-1.6679	1.6679	-10.977	10.643
75	-2.5268	2.5268	-10.643	10.138
76	-3.2523	3.2523	-10.138	9.4872
77	-3.7857	3.7857	-9.4872	8.7301
78	-4.2036	4.2036	-8.7301	7.8894
79	-4.4549	4.4549	-7.8894	6.9984
80	-4.6123	4.6123	-6.9984	6.0759
81	-4.6240	4.6240	-6.0759	5.1511
82	-4.4990	4.4990	-5.1511	4.2513
83	-4.3039	4.3039	-4.2513	3.3906
84	-3.9926	3.9926	-3.3906	2.5920
85	-3.6209	3.6209	-2.5920	1.8678
86	-3.1347	3.1347	-1.8678	1.2409
87	-2.5935	2.5935	-1.2409	0.72217
88	-1.9429	1.9429	-0.72217	0.33360
89	-1.2394	1.2394	-0.33360	8.57188E-02
90	-0.42859	0.42859	-8.57188E-02	1.32117E-14

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                Exe Time :29 July 2019      18:00:07                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:00:07                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 751.6     REMNOR=0.5644E-21 RATIO =0.1000     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1000     RATIOR= 0.000
           MAX UN= 7.601     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.9409E-10 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 293.5     REMNOR=0.2343E-19 RATIO =0.6250E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.6250E-01 RATIOR= 0.000
           MAX UN= 7.663     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1109E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 159.6     REMNOR=0.3749E-18 RATIO =0.4608E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.4608E-01 RATIOR= 0.000
           MAX UN= 7.311     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3507E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM= 11.07     REMNOR=0.2389E-18 RATIO =0.1214E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1214E-01 RATIOR= 0.000
           MAX UN= 2.680     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.2886E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
           RENORM=0.1348     REMNOR=0.7314E-19 RATIO =0.1340E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.60     RMMAX = 11.09
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7515E+05 RDR   = 6378.
           RATIOT=0.1340E-02 RATIOR= 0.000
           MAX UN=0.3450     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.2393E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7515E+05 RIMNOR= 6378.
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          RENORM=0.1720E-16 REMNOR=0.1013E-18 RATIO =0.1513E-10 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 35.60     RMMAX = 11.09
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
          RDT   =0.7515E+05 RDR   = 6378.
          RATIOT=0.1513E-10 RATIOR= 0.000
          MAX UN=0.1584E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
          MIN UN=-.1238E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:00:07                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   1.1894417E-02  -1.6906769E-03
    2   1.1556282E-02  -1.6906697E-03
    3   1.1218151E-02  -1.6906324E-03
    4   1.0880036E-02  -1.6905041E-03
    5   1.0541962E-02  -1.6901920E-03
    6   1.0203979E-02  -1.6895829E-03
    7   9.8661575E-03  -1.6885443E-03
    8   9.5285993E-03  -1.6869280E-03
    9   9.1914358E-03  -1.6845702E-03
   10   8.8548324E-03  -1.6812947E-03
   11   8.5189917E-03  -1.6769120E-03
   12   8.1841549E-03  -1.6712201E-03
   13   7.8506053E-03  -1.6640034E-03
   14   7.5186704E-03  -1.6550344E-03
   15   7.1887244E-03  -1.6440730E-03
   16   6.8611908E-03  -1.6308671E-03
   17   6.5365448E-03  -1.6151528E-03
   18   6.2153152E-03  -1.5966553E-03
   19   5.8980873E-03  -1.5750876E-03
   20   5.5855023E-03  -1.5501877E-03
   21   5.2782453E-03  -1.5217911E-03
   22   4.9770210E-03  -1.4898675E-03
   23   4.6825265E-03  -1.4545211E-03
   24   4.3954263E-03  -1.4159903E-03
   25   4.1163237E-03  -1.3745812E-03
   26   3.8457654E-03  -1.3305980E-03
   27   3.5842362E-03  -1.2843395E-03
   28   3.3321617E-03  -1.2360996E-03
   29   3.0899103E-03  -1.1861679E-03
   30   2.8577895E-03  -1.1348291E-03
   31   2.6360537E-03  -1.0823655E-03
   32   2.4248997E-03  -1.0290562E-03
   33   2.2244691E-03  -9.7517813E-04
   34   2.0348480E-03  -9.2100630E-04
   35   1.8560688E-03  -8.6681454E-04
   36   1.6881063E-03  -8.1287498E-04
   37   1.5308838E-03  -7.5946016E-04
   38   1.3842691E-03  -7.0684252E-04
   39   1.2480761E-03  -6.5528547E-04
   40   1.1220691E-03  -6.0502561E-04
   41   1.0059666E-03  -5.5626516E-04
   42   8.9945160E-04  -5.0917578E-04
   43   8.0217535E-04  -4.6389979E-04
   44   7.1376307E-04  -4.2055295E-04
   45   6.3381985E-04  -3.7922678E-04
   46   5.6193178E-04  -3.3998900E-04
   47   4.9767977E-04  -3.0289096E-04
   48   4.4063073E-04  -2.6796286E-04
   49   3.9034922E-04  -2.3521952E-04
   50   3.4639756E-04  -2.0466049E-04
   51   3.0834040E-04  -1.7627088E-04
   52   2.7574643E-04  -1.5002045E-04
   53   2.4819231E-04  -1.2586606E-04
   54   2.2526395E-04  -1.0375263E-04
   55   2.0655950E-04  -8.3615637E-05
   56   1.9169077E-04  -6.5382406E-05
   57   1.8028493E-04  -4.8973206E-05
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58	1.7198559E-04	-3.4302480E-05
59	1.6645406E-04	-2.1279901E-05
60	1.6337003E-04	-9.8113866E-06
61	1.6243238E-04	2.0019698E-07
62	1.6335962E-04	8.8544927E-06
63	1.6589049E-04	1.6253433E-05
64	1.6978423E-04	2.2500900E-05
65	1.7482111E-04	2.7702281E-05
66	1.8080250E-04	3.1964018E-05
67	1.8755122E-04	3.5393273E-05
68	1.9491071E-04	3.8085994E-05
69	2.0274207E-04	4.0125499E-05
70	2.1092272E-04	4.1592174E-05
71	2.1934588E-04	4.2562978E-05
72	2.2791974E-04	4.3111179E-05
73	2.3656636E-04	4.3305992E-05
74	2.4522246E-04	4.3212256E-05
75	2.5383603E-04	4.2890136E-05
76	2.6236698E-04	4.2394939E-05
77	2.7078581E-04	4.1776774E-05
78	2.7907248E-04	4.1080403E-05
79	2.8721540E-04	4.0345355E-05
80	2.9521032E-04	3.9605838E-05
81	3.0305936E-04	3.8890725E-05
82	3.1076980E-04	3.8223507E-05
83	3.1835326E-04	3.7623729E-05
84	3.2582473E-04	3.7105556E-05
85	3.3320186E-04	3.6677585E-05
86	3.4050236E-04	3.6342957E-05
87	3.4774511E-04	3.6099399E-05
88	3.5494769E-04	3.5939343E-05
89	3.6212556E-04	3.5849897E-05
90	3.6929114E-04	3.5812875E-05
91	3.7645264E-04	3.5804782E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:00:07

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-1.1894E-02	10.00	3.040	10.00	5.300	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.6575	-1.1556E-02	10.81	3.288	10.81	5.732	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.288	0.000	0.000	Strato1_2_8_L_0
3 D	1.910	-1.1218E-02	31.41	9.550	31.41	16.65	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.550	0.000	0.000	Strato1_2_8_L_0
4 D	2.005	-1.0880E-02	32.97	10.02	32.97	17.47	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	10.02	0.000	0.000	Strato1_2_8_L_0
5 D	2.751	-1.0542E-02	45.25	13.76	45.25	23.98	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	13.76	0.000	0.000	Strato1_2_8_L_0
6 D	2.841	-1.0204E-02	46.73	14.21	46.73	24.77	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.21	0.000	0.000	Strato1_2_8_L_0
7 D	3.396	-9.8662E-03	55.86	16.98	55.86	29.60	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.98	0.000	0.000	Strato1_2_8_L_0
8 D	3.502	-9.5286E-03	57.60	17.51	57.60	30.53	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.51	0.000	0.000	Strato1_2_8_L_0
9 D	3.925	-9.1914E-03	64.56	19.63	64.56	34.22	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.051	-8.8548E-03	66.63	20.26	66.63	35.31	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.26	0.000	0.000	Strato1_2_8_L_0
11 D	4.467	-8.5190E-03	73.46	22.33	73.46	38.94	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.33	0.000	0.000	Strato1_2_8_L_0
12 D	4.604	-8.1842E-03	75.72	23.02	75.72	40.13	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.02	0.000	0.000	Strato1_2_8_L_0

13 D	4.985	-7.8506E-03	81.98	24.92	81.98	43.45	ACTIVE	0.000	-2.400	0.000	1.000	1.000
24.92	0.000	0.000	Strato1_2_8_L_0									
14 D	5.131	-7.5187E-03	84.40	25.66	84.40	44.73	ACTIVE	0.000	-2.600	0.000	1.000	1.000
25.66	0.000	0.000	Strato1_2_8_L_0									
15 D	5.488	-7.1887E-03	90.27	27.44	90.27	47.84	ACTIVE	0.000	-2.800	0.000	1.000	1.000
27.44	0.000	0.000	Strato1_2_8_L_0									
16 D	5.621	-6.8612E-03	92.44	28.10	92.44	49.00	ACTIVE	0.000	-3.000	0.000	1.000	1.000
28.10	0.000	0.000	Strato1_2_8_L_0									
17 D	5.961	-6.5365E-03	98.05	29.81	98.05	51.96	ACTIVE	0.000	-3.200	0.000	1.000	1.000
29.81	0.000	0.000	Strato1_2_8_L_0									
18 D	6.124	-6.2153E-03	100.7	30.62	100.7	53.39	ACTIVE	0.000	-3.400	0.000	1.000	1.000
30.62	0.000	0.000	Strato1_2_8_L_0									
19 D	6.451	-5.8981E-03	106.1	32.26	106.1	56.24	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.26	0.000	0.000	Strato1_2_8_L_0									
20 D	6.620	-5.5855E-03	108.9	33.10	108.9	57.70	ACTIVE	0.000	-3.800	0.000	1.000	1.000
33.10	0.000	0.000	Strato1_2_8_L_0									
21 D	6.936	-5.2782E-03	114.1	34.68	114.1	60.46	ACTIVE	0.000	-4.000	0.000	1.000	1.000
34.68	0.000	0.000	Strato1_2_8_L_0									
22 D	7.109	-4.9770E-03	116.9	35.55	116.9	61.97	ACTIVE	0.000	-4.200	0.000	1.000	1.000
35.55	0.000	0.000	Strato1_2_8_L_0									
23 D	7.417	-4.6825E-03	122.0	37.09	122.0	64.66	ACTIVE	0.000	-4.400	0.000	1.000	1.000
37.09	0.000	0.000	Strato1_2_8_L_0									
24 D	7.579	-4.3954E-03	124.7	37.90	124.7	66.07	ACTIVE	0.000	-4.600	0.000	1.000	1.000
37.90	0.000	0.000	Strato1_2_8_L_0									
25 D	7.881	-4.1163E-03	129.6	39.40	129.6	68.70	ACTIVE	0.000	-4.800	0.000	1.000	1.000
39.40	0.000	0.000	Strato1_2_8_L_0									
26 D	8.062	-3.8458E-03	132.6	40.31	132.6	70.28	ACTIVE	0.000	-5.000	0.000	1.000	1.000
40.31	0.000	0.000	Strato1_2_8_L_0									
27 D	8.358	-3.5842E-03	137.5	41.79	137.5	72.85	ACTIVE	0.000	-5.200	0.000	1.000	1.000
41.79	0.000	0.000	Strato1_2_8_L_0									
28 D	8.542	-3.3322E-03	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-3.0899E-03	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.8578E-03	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.6361E-03	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.4249E-03	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.2245E-03	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.0348E-03	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-1.8561E-03	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-1.6881E-03	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-1.5309E-03	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	11.31	-1.3843E-03	179.3	56.55	179.3	95.05	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
56.55	0.000	0.000	Strato1_2_8_L_0									
39 D	12.37	-1.2481E-03	183.7	61.84	183.7	97.36	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
61.84	0.000	0.000	Strato1_2_8_L_0									
40 D	13.27	-1.1221E-03	186.9	66.33	186.9	99.08	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
66.33	0.000	0.000	Strato1_2_8_L_0									
41 D	14.25	-1.0060E-03	191.4	71.25	191.4	101.5	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
71.25	0.000	0.000	Strato1_2_8_L_0									
42 D	15.07	-8.9945E-04	194.7	75.33	194.7	103.2	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
75.33	0.000	0.000	Strato1_2_8_L_0									
43 D	15.97	-8.0218E-04	199.1	79.84	199.1	105.5	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
79.84	0.000	0.000	Strato1_2_8_L_0									
44 D	16.71	-7.1376E-04	202.4	83.55	202.4	107.3	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
83.55	0.000	0.000	Strato1_2_8_L_0									
45 D	17.54	-6.3382E-04	206.8	87.68	206.8	109.6	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
87.68	0.000	0.000	Strato1_2_8_L_0									
46 D	18.20	-5.6193E-04	210.0	90.99	210.0	111.3	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
90.99	0.000	0.000	Strato1_2_8_L_0									
47 D	18.95	-4.9768E-04	214.4	94.77	214.4	113.6	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.77	0.000	0.000	Strato1_2_8_L_0									
48 D	19.57	-4.4063E-04	217.7	97.86	217.7	115.4	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.86	0.000	0.000	Strato1_2_8_L_0									
49 D	20.27	-3.9035E-04	222.1	101.3	222.1	117.7	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
101.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.83	-3.4640E-04	225.4	104.2	225.4	119.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
104.2	0.000	0.000	Strato1_2_8_L_0									
51 D	21.48	-3.0834E-04	229.8	107.4	229.8	121.8	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
107.4	0.000	0.000	Strato1_2_8_L_0									
52 D	22.00	-2.7575E-04	233.1	110.0	233.1	123.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
110.0	0.000	0.000	Strato1_2_8_L_0									
53 D	22.60	-2.4819E-04	237.4	113.0	237.4	125.8	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
113.0	0.000	0.000	Strato1_2_8_L_0									
54 D	23.07	-2.2526E-04	240.7	115.4	240.7	127.6	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
115.4	0.000	0.000	Strato1_2_8_L_0									
55 D	23.64	-2.0656E-04	245.0	118.2	245.0	129.8	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000

118.2	0.000	0.000	Strato1_2_8_L_0										
56 D	24.09	-1.9169E-04	248.4	120.4	248.4	131.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000	
120.4	0.000	0.000	Strato1_2_8_L_0										
57 D	24.62	-1.8028E-04	252.7	123.1	252.7	133.9	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000	
123.1	0.000	0.000	Strato1_2_8_L_0										
58 D	25.05	-1.7199E-04	256.1	125.3	256.1	135.7	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000	
125.3	0.000	0.000	Strato1_2_8_L_0										
59 D	25.56	-1.6645E-04	260.3	127.8	260.3	138.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000	
127.8	0.000	0.000	Strato1_2_8_L_0										
60 D	25.98	-1.6337E-04	263.7	129.9	263.7	139.8	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000	
129.9	0.000	0.000	Strato1_2_8_L_0										
61 D	26.46	-1.6243E-04	267.9	132.3	267.9	142.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000	
132.3	0.000	0.000	Strato1_2_8_L_0										
62 D	26.86	-1.6336E-04	271.3	134.3	271.3	143.8	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000	
134.3	0.000	0.000	Strato1_2_8_L_0										
63 D	27.34	-1.6589E-04	275.5	136.7	275.5	146.0	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000	
136.7	0.000	0.000	Strato1_2_8_L_0										
64 D	27.73	-1.6978E-04	279.0	138.6	279.0	147.9	UL-RL	2.1827E+04	-12.60	0.000	1.000	1.000	
138.6	0.000	0.000	Strato1_2_8_L_0										
65 D	28.19	-1.7482E-04	283.2	141.0	283.2	150.1	UL-RL	2.1827E+04	-12.80	0.000	1.000	1.000	
141.0	0.000	0.000	Strato1_2_8_L_0										
66 D	28.57	-1.8080E-04	286.7	142.9	286.7	151.9	UL-RL	2.1827E+04	-13.00	0.000	1.000	1.000	
142.9	0.000	0.000	Strato1_2_8_L_0										
67 D	24.00	-1.8755E-04	291.0	120.0	291.0	145.5	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000	
120.0	0.000	0.000	Strato2_3095_82743_L_0										
68 D	24.39	-1.9491E-04	294.6	122.0	294.6	147.3	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000	
122.0	0.000	0.000	Strato2_3095_82743_L_0										
69 D	24.84	-2.0274E-04	298.9	124.2	298.9	149.5	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000	
124.2	0.000	0.000	Strato2_3095_82743_L_0										
70 D	25.21	-2.1092E-04	302.6	126.0	302.6	151.3	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000	
126.0	0.000	0.000	Strato2_3095_82743_L_0										
71 D	25.64	-2.1935E-04	307.0	128.2	307.0	153.5	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000	
128.2	0.000	0.000	Strato2_3095_82743_L_0										
72 D	26.00	-2.2792E-04	310.7	130.0	310.7	155.3	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000	
130.0	0.000	0.000	Strato2_3095_82743_L_0										
73 D	26.42	-2.3657E-04	315.0	132.1	315.0	157.5	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000	
132.1	0.000	0.000	Strato2_3095_82743_L_0										
74 D	26.76	-2.4522E-04	318.7	133.8	318.7	159.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000	
133.8	0.000	0.000	Strato2_3095_82743_L_0										
75 D	27.17	-2.5384E-04	323.1	135.8	323.1	161.5	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000	
135.8	0.000	0.000	Strato2_3095_82743_L_0										
76 D	27.49	-2.6237E-04	326.7	137.5	326.7	163.3	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000	
137.5	0.000	0.000	Strato2_3095_82743_L_0										
77 D	27.89	-2.7079E-04	331.0	139.4	331.0	165.5	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000	
139.4	0.000	0.000	Strato2_3095_82743_L_0										
78 D	28.22	-2.7907E-04	334.7	141.1	334.7	167.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000	
141.1	0.000	0.000	Strato2_3095_82743_L_0										
79 D	28.60	-2.8722E-04	339.1	143.0	339.1	169.5	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000	
143.0	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.93	-2.9521E-04	342.8	144.6	342.8	171.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000	
144.6	0.000	0.000	Strato2_3095_82743_L_0										
81 D	29.31	-3.0306E-04	347.1	146.5	347.1	173.6	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000	
146.5	0.000	0.000	Strato2_3095_82743_L_0										
82 D	29.69	-3.1077E-04	351.4	148.4	351.4	175.7	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000	
148.4	0.000	0.000	Strato2_3095_82743_L_0										
83 D	30.01	-3.1835E-04	355.1	150.0	355.1	177.6	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000	
150.0	0.000	0.000	Strato2_3095_82743_L_0										
84 D	30.38	-3.2582E-04	359.4	151.9	359.4	179.7	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000	
151.9	0.000	0.000	Strato2_3095_82743_L_0										
85 D	30.69	-3.3320E-04	363.1	153.5	363.1	181.6	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000	
153.5	0.000	0.000	Strato2_3095_82743_L_0										
86 D	31.07	-3.4050E-04	367.4	155.3	367.4	183.7	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000	
155.3	0.000	0.000	Strato2_3095_82743_L_0										
87 D	31.39	-3.4775E-04	371.1	156.9	371.1	185.6	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000	
156.9	0.000	0.000	Strato2_3095_82743_L_0										
88 D	31.76	-3.5495E-04	375.4	158.8	375.4	187.7	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000	
158.8	0.000	0.000	Strato2_3095_82743_L_0										
89 D	32.08	-3.6213E-04	379.2	160.4	379.2	189.6	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000	
160.4	0.000	0.000	Strato2_3095_82743_L_0										
90 D	32.45	-3.6929E-04	383.5	162.3	383.5	191.7	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000	
162.3	0.000	0.000	Strato2_3095_82743_L_0										
91 D	16.38	-3.7645E-04	387.1	163.8	387.1	193.6	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000	
163.8	0.000	0.000	Strato2_3095_82743_L_0										

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                     |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
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S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19 D	1.536	5.8981E-03	1.900	7.678	68.40	40.03	PASSIVE	0.000	-3.600	0.000	1.000	1.000
7.678	0.000	0.000	Strato1_2_8_L_0									
20 D	4.607	5.5855E-03	5.700	23.03	72.20	42.06	PASSIVE	0.000	-3.800	0.000	1.000	1.000
23.03	0.000	0.000	Strato1_2_8_L_0									
21 D	7.678	5.2782E-03	9.500	38.39	76.00	44.08	PASSIVE	0.000	-4.000	0.000	1.000	1.000
38.39	0.000	0.000	Strato1_2_8_L_0									
22 D	10.75	4.9770E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0									
23 D	13.82	4.6825E-03	17.10	69.10	83.60	69.10	PASSIVE	0.000	-4.400	0.000	1.000	1.000
69.10	0.000	0.000	Strato1_2_8_L_0									
24 D	14.08	4.3954E-03	20.90	70.38	87.40	70.38	V-C	5049.	-4.600	0.000	1.000	1.000
70.38	0.000	0.000	Strato1_2_8_L_0									
25 D	14.20	4.1163E-03	24.70	70.99	91.20	70.99	V-C	5049.	-4.800	0.000	1.000	1.000
70.99	0.000	0.000	Strato1_2_8_L_0									
26 D	14.33	3.8458E-03	28.50	71.64	95.00	71.64	V-C	5049.	-5.000	0.000	1.000	1.000
71.64	0.000	0.000	Strato1_2_8_L_0									
27 D	14.47	3.5842E-03	32.30	72.34	98.80	72.34	V-C	5049.	-5.200	0.000	1.000	1.000
72.34	0.000	0.000	Strato1_2_8_L_0									
28 D	14.62	3.3322E-03	36.10	73.09	102.6	73.09	V-C	5049.	-5.400	0.000	1.000	1.000
73.09	0.000	0.000	Strato1_2_8_L_0									
29 D	14.78	3.0899E-03	39.90	73.89	106.4	73.89	V-C	5049.	-5.600	0.000	1.000	1.000
73.89	0.000	0.000	Strato1_2_8_L_0									
30 D	14.95	2.8578E-03	43.70	74.73	110.2	74.73	V-C	5049.	-5.800	0.000	1.000	1.000
74.73	0.000	0.000	Strato1_2_8_L_0									
31 D	15.13	2.6361E-03	47.50	75.63	114.0	75.63	V-C	5049.	-6.000	0.000	1.000	1.000
75.63	0.000	0.000	Strato1_2_8_L_0									
32 D	15.32	2.4249E-03	51.30	76.58	117.8	76.58	V-C	5049.	-6.200	0.000	1.000	1.000
76.58	0.000	0.000	Strato1_2_8_L_0									
33 D	15.52	2.2245E-03	55.10	77.59	121.6	77.59	V-C	5049.	-6.400	0.000	1.000	1.000
77.59	0.000	0.000	Strato1_2_8_L_0									
34 D	15.73	2.0348E-03	58.90	78.65	125.4	78.65	V-C	5049.	-6.600	0.000	1.000	1.000
78.65	0.000	0.000	Strato1_2_8_L_0									
35 D	15.95	1.8561E-03	62.70	79.76	129.2	79.76	V-C	5049.	-6.800	0.000	1.000	1.000
79.76	0.000	0.000	Strato1_2_8_L_0									

36 D	16.19	1.6881E-03	66.50	80.93	133.0	80.93	V-C	5049.	-7.000	0.000	1.000	1.000	80.93	0.000	0.000	Strato1_2_8_L_0
37 D	16.43	1.5309E-03	70.30	82.15	136.8	82.15	V-C	5049.	-7.200	0.000	1.000	1.000	82.15	0.000	0.000	Strato1_2_8_L_0
38 D	16.68	1.3843E-03	74.10	83.42	140.6	83.42	V-C	5049.	-7.400	0.000	1.000	1.000	83.42	0.000	0.000	Strato1_2_8_L_0
39 D	16.95	1.2481E-03	77.90	84.75	144.4	84.75	V-C	5049.	-7.600	0.000	1.000	1.000	84.75	0.000	0.000	Strato1_2_8_L_0
40 D	17.22	1.1221E-03	81.70	86.12	148.2	86.12	V-C	5049.	-7.800	0.000	1.000	1.000	86.12	0.000	0.000	Strato1_2_8_L_0
41 D	17.51	1.0060E-03	85.50	87.55	152.0	87.55	V-C	5049.	-8.000	0.000	1.000	1.000	87.55	0.000	0.000	Strato1_2_8_L_0
42 D	17.80	8.9945E-04	89.30	89.02	155.8	89.02	V-C	5049.	-8.200	0.000	1.000	1.000	89.02	0.000	0.000	Strato1_2_8_L_0
43 D	18.11	8.0218E-04	93.10	90.53	159.6	90.53	V-C	5049.	-8.400	0.000	1.000	1.000	90.53	0.000	0.000	Strato1_2_8_L_0
44 D	18.42	7.1376E-04	96.90	92.09	163.4	92.09	V-C	5049.	-8.600	0.000	1.000	1.000	92.09	0.000	0.000	Strato1_2_8_L_0
45 D	18.74	6.3382E-04	100.7	93.69	167.2	93.69	V-C	5049.	-8.800	0.000	1.000	1.000	93.69	0.000	0.000	Strato1_2_8_L_0
46 D	19.07	5.6193E-04	104.5	95.33	171.0	95.33	V-C	5049.	-9.000	0.000	1.000	1.000	95.33	0.000	0.000	Strato1_2_8_L_0
47 D	19.40	4.9768E-04	108.3	97.00	174.8	97.00	V-C	5049.	-9.200	0.000	1.000	1.000	97.00	0.000	0.000	Strato1_2_8_L_0
48 D	19.74	4.4063E-04	112.1	98.71	178.6	98.71	V-C	5049.	-9.400	0.000	1.000	1.000	98.71	0.000	0.000	Strato1_2_8_L_0
49 D	20.09	3.9035E-04	115.9	100.5	182.4	100.5	V-C	5049.	-9.600	0.000	1.000	1.000	100.5	0.000	0.000	Strato1_2_8_L_0
50 D	20.37	3.4640E-04	119.7	101.9	186.2	102.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000	101.9	0.000	0.000	Strato1_2_8_L_0
51 D	20.67	3.0834E-04	123.5	103.3	190.0	104.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	103.3	0.000	0.000	Strato1_2_8_L_0
52 D	20.98	2.7575E-04	127.3	104.9	193.8	106.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	104.9	0.000	0.000	Strato1_2_8_L_0
53 D	21.30	2.4819E-04	131.1	106.5	197.6	108.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000	106.5	0.000	0.000	Strato1_2_8_L_0
54 D	21.65	2.2526E-04	134.9	108.2	201.4	110.2	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000	108.2	0.000	0.000	Strato1_2_8_L_0
55 D	22.00	2.0656E-04	138.7	110.0	205.2	112.2	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000	110.0	0.000	0.000	Strato1_2_8_L_0
56 D	22.37	1.9169E-04	142.5	111.8	209.0	114.1	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000	111.8	0.000	0.000	Strato1_2_8_L_0
57 D	22.74	1.8028E-04	146.3	113.7	212.8	116.1	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000	113.7	0.000	0.000	Strato1_2_8_L_0
58 D	23.13	1.7199E-04	150.1	115.7	216.6	118.0	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000	115.7	0.000	0.000	Strato1_2_8_L_0
59 D	23.53	1.6645E-04	153.9	117.6	220.4	119.9	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000	117.6	0.000	0.000	Strato1_2_8_L_0
60 D	23.92	1.6337E-04	157.7	119.6	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000	119.6	0.000	0.000	Strato1_2_8_L_0
61 D	24.31	1.6243E-04	161.5	121.6	228.0	123.8	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000	121.6	0.000	0.000	Strato1_2_8_L_0
62 D	24.71	1.6336E-04	165.3	123.5	231.8	125.8	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000	123.5	0.000	0.000	Strato1_2_8_L_0
63 D	25.11	1.6589E-04	169.1	125.5	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000	125.5	0.000	0.000	Strato1_2_8_L_0
64 D	25.51	1.6978E-04	172.9	127.6	239.4	129.7	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000	127.6	0.000	0.000	Strato1_2_8_L_0
65 D	25.92	1.7482E-04	176.7	129.6	243.2	131.7	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000	129.6	0.000	0.000	Strato1_2_8_L_0
66 D	26.33	1.8080E-04	180.5	131.7	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000	131.7	0.000	0.000	Strato1_2_8_L_0
67 D	22.20	1.8755E-04	184.4	111.0	250.9	130.6	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000	111.0	0.000	0.000	Strato2_3095_82743_L_0
68 D	22.68	1.9491E-04	188.4	113.4	254.9	132.4	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000	113.4	0.000	0.000	Strato2_3095_82743_L_0
69 D	23.16	2.0274E-04	192.4	115.8	258.9	134.2	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000	115.8	0.000	0.000	Strato2_3095_82743_L_0
70 D	23.64	2.1092E-04	196.4	118.2	262.9	136.0	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000	118.2	0.000	0.000	Strato2_3095_82743_L_0
71 D	24.12	2.1935E-04	200.4	120.6	266.9	137.8	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000	120.6	0.000	0.000	Strato2_3095_82743_L_0
72 D	24.60	2.2792E-04	204.4	123.0	270.9	139.6	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000	123.0	0.000	0.000	Strato2_3095_82743_L_0
73 D	25.08	2.3657E-04	208.4	125.4	274.9	141.5	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000	125.4	0.000	0.000	Strato2_3095_82743_L_0
74 D	25.56	2.4522E-04	212.4	127.8	278.9	143.3	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000	127.8	0.000	0.000	Strato2_3095_82743_L_0
75 D	26.04	2.5384E-04	216.4	130.2	282.9	145.2	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000	130.2	0.000	0.000	Strato2_3095_82743_L_0
76 D	26.51	2.6237E-04	220.4	132.6	286.9	147.0	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000	132.6	0.000	0.000	Strato2_3095_82743_L_0
77 D	26.98	2.7079E-04	224.4	134.9	290.9	148.9	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000	134.9	0.000	0.000	Strato2_3095_82743_L_0
78 D	27.46	2.7907E-04	228.4	137.3	294.9	150.8	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000				

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137.3       0.000       0.000     Strato2_3095_82743_L_0
  79 D   27.92      2.8722E-04   232.4       139.6       298.9       152.7          UL-RL  3.3465E+04  -15.60       0.000       1.000       1.000
139.6       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.39      2.9521E-04   236.4       142.0       302.9       154.6          UL-RL  3.3465E+04  -15.80       0.000       1.000       1.000
142.0       0.000       0.000     Strato2_3095_82743_L_0
  81 D   28.86      3.0306E-04   240.4       144.3       306.9       156.5          UL-RL  3.3465E+04  -16.00       0.000       1.000       1.000
144.3       0.000       0.000     Strato2_3095_82743_L_0
  82 D   29.32      3.1077E-04   244.4       146.6       310.9       158.5          UL-RL  3.3465E+04  -16.20       0.000       1.000       1.000
146.6       0.000       0.000     Strato2_3095_82743_L_0
  83 D   29.78      3.1835E-04   248.4       148.9       314.9       160.4          UL-RL  3.3465E+04  -16.40       0.000       1.000       1.000
148.9       0.000       0.000     Strato2_3095_82743_L_0
  84 D   30.24      3.2582E-04   252.4       151.2       318.9       162.3          UL-RL  3.3465E+04  -16.60       0.000       1.000       1.000
151.2       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.70      3.3320E-04   256.4       153.5       322.9       164.2          UL-RL  3.3465E+04  -16.80       0.000       1.000       1.000
153.5       0.000       0.000     Strato2_3095_82743_L_0
  86 D   31.16      3.4050E-04   260.4       155.8       326.9       166.2          UL-RL  3.3465E+04  -17.00       0.000       1.000       1.000
155.8       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.62      3.4775E-04   264.4       158.1       330.9       168.1          UL-RL  3.3465E+04  -17.20       0.000       1.000       1.000
158.1       0.000       0.000     Strato2_3095_82743_L_0
  88 D   32.07      3.5495E-04   268.4       160.4       334.9       170.1          UL-RL  3.3465E+04  -17.40       0.000       1.000       1.000
160.4       0.000       0.000     Strato2_3095_82743_L_0
  89 D   32.53      3.6213E-04   272.4       162.7       338.9       172.0          UL-RL  3.3465E+04  -17.60       0.000       1.000       1.000
162.7       0.000       0.000     Strato2_3095_82743_L_0
  90 D   32.99      3.6929E-04   276.4       164.9       342.9       173.9          UL-RL  3.3465E+04  -17.80       0.000       1.000       1.000
164.9       0.000       0.000     Strato2_3095_82743_L_0
  91 D   16.72      3.7645E-04   280.4       167.2       346.9       175.9          UL-RL  3.3465E+04  -18.00       0.000       1.000       1.000
167.2       0.000       0.000     Strato2_3095_82743_L_0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                             |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                             |
|                                  Exe Time :29 July 2019      18:00:07                                                       |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 0.30400    -0.30400     9.94582E-11 6.08000E-02
    2 0.96154    -0.96154    -6.08000E-02 0.25311
    3  2.8715     -2.8715    -0.25311     0.82740
    4  4.8761     -4.8761    -0.82740      1.8026
    5  7.6275     -7.6275     -1.8026      3.3281
    6  10.469     -10.469     -3.3281      5.4219
    7  13.865     -13.865     -5.4219      8.1948
    8  17.367     -17.367     -8.1948      11.668
    9  21.292     -21.292     -11.668      15.927
   10  25.343     -25.343     -15.927      20.995
   11  29.810     -29.810     -20.995      26.957
   12  34.413     -34.413     -26.957      33.840
   13  39.398     -39.398     -33.840      41.719
   14  44.529     -44.529     -41.719      50.625
   15  50.017     -50.017     -50.625      60.629
   16  55.638     -55.638     -60.629      71.756
   17  61.599     -61.599     -71.756      84.076
   18  67.724     -67.724     -84.076      97.621
   19  72.639     -72.639     -97.621      112.15
   20  74.652     -74.652     -112.15      127.08
   21  73.910     -73.910     -127.08      141.86
   22  70.271     -70.271     -141.86      155.92
   23  63.868     -63.868     -155.92      168.69
   24  57.371     -57.371     -168.69      180.16
   25  51.054     -51.054     -180.16      190.37
   26  44.787     -44.787     -190.37      199.33
   27  38.676     -38.676     -199.33      207.07
   28  32.600     -32.600     -207.07      213.59
   29  26.655     -26.655     -213.59      218.92
   30  20.728     -20.728     -218.92      223.06
   31  14.895     -14.895     -223.06      226.04
   32  9.0624     -9.0624     -226.04      227.85
   33  3.3111     -3.3111     -227.85      228.52
   34 -2.4602      2.4602     -228.52      228.02
   35 -8.1747      8.1747     -228.02      226.39
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36	-13.929	13.929	-226.39	223.60
37	-19.650	19.650	-223.60	219.67
38	-25.024	25.024	-219.67	214.67
39	-29.606	29.606	-214.67	208.75
40	-33.565	33.565	-208.75	202.03
41	-36.824	36.824	-202.03	194.67
42	-39.561	39.561	-194.67	186.76
43	-41.700	41.700	-186.76	178.42
44	-43.408	43.408	-178.42	169.74
45	-44.610	44.610	-169.74	160.81
46	-45.479	45.479	-160.81	151.72
47	-45.925	45.925	-151.72	142.53
48	-46.096	46.096	-142.53	133.31
49	-45.920	45.920	-133.31	124.13
50	-45.461	45.461	-124.13	115.04
51	-44.652	44.652	-115.04	106.11
52	-43.632	43.632	-106.11	97.381
53	-42.339	42.339	-97.381	88.914
54	-40.913	40.913	-88.914	80.731
55	-39.278	39.278	-80.731	72.875
56	-37.555	37.555	-72.875	65.364
57	-35.674	35.674	-65.364	58.229
58	-33.750	33.750	-58.229	51.479
59	-31.711	31.711	-51.479	45.137
60	-29.659	29.659	-45.137	39.205
61	-27.514	27.514	-39.205	33.703
62	-25.365	25.365	-33.703	28.630
63	-23.138	23.138	-28.630	24.002
64	-20.926	20.926	-24.002	19.817
65	-18.654	18.654	-19.817	16.086
66	-16.412	16.412	-16.086	12.804
67	-14.613	14.613	-12.804	9.8811
68	-12.902	12.902	-9.8811	7.3007
69	-11.227	11.227	-7.3007	5.0553
70	-9.6604	9.6604	-5.0553	3.1232
71	-8.1408	8.1408	-3.1232	1.4951
72	-6.7448	6.7448	-1.4951	0.14620
73	-5.4104	5.4104	-0.14620	-0.93587
74	-4.2098	4.2098	0.93587	-1.7778
75	-3.0806	3.0806	1.7778	-2.3940
76	-2.0991	2.0991	2.3940	-2.8138
77	-1.1951	1.1951	2.8138	-3.0528
78	-0.43410	0.43410	3.0528	-3.1396
79	0.24591	-0.24591	3.1396	-3.0904
80	0.78203	-0.78203	3.0904	-2.9340
81	1.2355	-1.2355	2.9340	-2.6869
82	1.6053	-1.6053	2.6869	-2.3659
83	1.8321	-1.8321	2.3659	-1.9995
84	1.9682	-1.9682	1.9995	-1.6058
85	1.9627	-1.9627	1.6058	-1.2133
86	1.8734	-1.8734	1.2133	-0.83858
87	1.6439	-1.6439	0.83858	-0.50981
88	1.3304	-1.3304	0.50981	-0.24373
89	0.87776	-0.87776	0.24373	-6.81741E-02
90	0.34087	-0.34087	6.81741E-02	-1.33105E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      18:00:07                                                  |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
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|                                                                                                                        |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                 Exe Time :29 July 2019      18:00:07                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P  N O.   5

Tirante2_1507                  :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER      0 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.1852E+05 REMNOR=0.1013E-18 RATIO =0.2535     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1      RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.2535      RATIOR= 0.000
           MAX UN=0.1584E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-136.1      IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM= 23.06      REMNOR=0.9131E-19 RATIO =0.8944E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1      RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.8944E-02 RATIOR= 0.000
           MAX UN=0.6030E-09 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-2.455      IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.6034      REMNOR=0.1334E-18 RATIO =0.1447E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1      RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.1447E-02 RATIOR= 0.000
           MAX UN=0.4526E-01 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.6232      IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.2882E+06 RIMNOR=0.2446E+07
           RENORM=0.3987E-16 REMNOR=0.1012E-18 RATIO =0.1176E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1      RMMAX = 228.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2882E+06 RDR   =0.2446E+07
           RATIOT=0.1176E-10 RATIOR= 0.000
           MAX UN=0.2578E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.2532E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                 Exe Time :29 July 2019      18:00:07                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
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	(02)	(04)	(
1	1.0320382E-02	-1.5609441E-03	
2	1.0008196E-02	-1.5609061E-03	
3	9.6960302E-03	-1.5607153E-03	
4	9.3839334E-03	-1.5601746E-03	
5	9.0719999E-03	-1.5590405E-03	
6	8.7603748E-03	-1.5570419E-03	
7	8.4492608E-03	-1.5538794E-03	
8	8.1389220E-03	-1.5492328E-03	
9	7.8296894E-03	-1.5427602E-03	
10	7.5219636E-03	-1.5341029E-03	
11	7.2162190E-03	-1.5228846E-03	
12	6.9130067E-03	-1.5087117E-03	
13	6.6129586E-03	-1.4911734E-03	
14	6.3167902E-03	-1.4698425E-03	
15	6.0253041E-03	-1.4442755E-03	
16	5.7393930E-03	-1.4140137E-03	
17	5.4598277E-03	-1.3818147E-03	
18	5.1866133E-03	-1.3504224E-03	
19	4.9196384E-03	-1.3193359E-03	
20	4.6588922E-03	-1.2880514E-03	
21	4.4044618E-03	-1.2561066E-03	
22	4.1565166E-03	-1.2231553E-03	
23	3.9152797E-03	-1.1890041E-03	
24	3.6809988E-03	-1.1536128E-03	
25	3.4539154E-03	-1.1170272E-03	
26	3.2342634E-03	-1.0793099E-03	
27	3.0222619E-03	-1.0405361E-03	
28	2.8181135E-03	-1.0007936E-03	
29	2.6220033E-03	-9.6018310E-04	
30	2.4340916E-03	-9.1881709E-04	
31	2.2545184E-03	-8.7682113E-04	
32	2.0833960E-03	-8.3433304E-04	
33	1.9208080E-03	-7.9150283E-04	
34	1.7668069E-03	-7.4849225E-04	
35	1.6214123E-03	-7.0547469E-04	
36	1.4846059E-03	-6.6263415E-04	
37	1.3563338E-03	-6.2016619E-04	
38	1.2365009E-03	-5.7827688E-04	
39	1.1249707E-03	-5.3717305E-04	
40	1.0215672E-03	-4.9704369E-04	
41	9.2607789E-04	-4.5805189E-04	
42	8.3826129E-04	-4.2033755E-04	
43	7.5784987E-04	-3.8401826E-04	
44	6.8455451E-04	-3.4919124E-04	
45	6.1806898E-04	-3.1593505E-04	
46	5.5807062E-04	-2.8430981E-04	
47	5.0423163E-04	-2.5436299E-04	
48	4.5621149E-04	-2.2612513E-04	
49	4.1366668E-04	-1.9961387E-04	
50	3.7625075E-04	-1.7483378E-04	
51	3.4361821E-04	-1.5177814E-04	
52	3.1542565E-04	-1.3042818E-04	
53	2.9133508E-04	-1.1075386E-04	
54	2.7101509E-04	-9.2714681E-05	
55	2.5414346E-04	-7.6261708E-05	
56	2.4040841E-04	-6.1338665E-05	
57	2.2951019E-04	-4.7882720E-05	
58	2.2116208E-04	-3.5825512E-05	
59	2.1509160E-04	-2.5093991E-05	
60	2.1104123E-04	-1.5611243E-05	
61	2.0876920E-04	-7.2970432E-06	
62	2.0805005E-04	-6.8252107E-08	
63	2.0867527E-04	6.1610826E-06	
64	2.1045376E-04	1.1479487E-05	
65	2.1321239E-04	1.5977696E-05	
66	2.1679633E-04	1.9748274E-05	
67	2.2106946E-04	2.2885324E-05	
68	2.2591319E-04	2.5463322E-05	
69	2.3122113E-04	2.7536419E-05	
70	2.3689766E-04	2.9158110E-05	
71	2.4285777E-04	3.0380739E-05	
72	2.4902674E-04	3.1255202E-05	
73	2.5533959E-04	3.1830522E-05	
74	2.6174182E-04	3.2153550E-05	
75	2.6818714E-04	3.2268477E-05	
76	2.7463809E-04	3.2216655E-05	
77	2.8106522E-04	3.2036157E-05	
78	2.8744628E-04	3.1761552E-05	
79	2.9376564E-04	3.1423935E-05	
80	3.0001349E-04	3.1050769E-05	
81	3.0618516E-04	3.0665793E-05	
82	3.1228034E-04	3.0288915E-05	
83	3.1830243E-04	2.9937584E-05	
84	3.2425798E-04	2.9625304E-05	

85	3.3015607E-04	2.9361410E-05
86	3.3600641E-04	2.9151114E-05
87	3.4182017E-04	2.8995560E-05
88	3.4760809E-04	2.8891891E-05
89	3.5337992E-04	2.8833212E-05
90	3.5914365E-04	2.8808607E-05
91	3.6490464E-04	2.8803125E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:00:07

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.600	-1.0320E-02	10.00	16.00	10.00	16.00	V-C	7276.	0.000	0.000	1.000	1.000	16.00	0.000	0.000	Strato1_2_8_L_0
2 D	3.236	-1.0008E-02	10.81	16.18	10.81	16.18	V-C	7276.	-0.2000	0.000	1.000	1.000	16.18	0.000	0.000	Strato1_2_8_L_0
3 D	5.071	-9.6960E-03	31.41	25.36	31.41	25.36	V-C	7276.	-0.4000	0.000	1.000	1.000	25.36	0.000	0.000	Strato1_2_8_L_0
4 D	5.175	-9.3839E-03	32.97	25.88	32.97	25.88	V-C	7276.	-0.6000	0.000	1.000	1.000	25.88	0.000	0.000	Strato1_2_8_L_0
5 D	6.254	-9.0720E-03	45.25	31.27	45.25	31.27	V-C	7276.	-0.8000	0.000	1.000	1.000	31.27	0.000	0.000	Strato1_2_8_L_0
6 D	6.350	-8.7604E-03	46.73	31.75	46.73	31.75	V-C	7276.	-1.000	0.000	1.000	1.000	31.75	0.000	0.000	Strato1_2_8_L_0
7 D	7.141	-8.4493E-03	55.86	35.71	55.86	35.71	V-C	7276.	-1.200	0.000	1.000	1.000	35.71	0.000	0.000	Strato1_2_8_L_0
8 D	7.260	-8.1389E-03	57.60	36.30	57.60	36.30	V-C	7276.	-1.400	0.000	1.000	1.000	36.30	0.000	0.000	Strato1_2_8_L_0
9 D	7.852	-7.8297E-03	64.56	39.26	64.56	39.26	V-C	7276.	-1.600	0.000	1.000	1.000	39.26	0.000	0.000	Strato1_2_8_L_0
10 D	7.998	-7.5220E-03	66.63	39.99	66.63	39.99	V-C	7276.	-1.800	0.000	1.000	1.000	39.99	0.000	0.000	Strato1_2_8_L_0
11 D	8.576	-7.2162E-03	73.46	42.88	73.46	42.88	V-C	7276.	-2.000	0.000	1.000	1.000	42.88	0.000	0.000	Strato1_2_8_L_0
12 D	8.735	-6.9130E-03	75.72	43.68	75.72	43.68	V-C	7276.	-2.200	0.000	1.000	1.000	43.68	0.000	0.000	Strato1_2_8_L_0
13 D	9.256	-6.6130E-03	81.98	46.28	81.98	46.28	V-C	7276.	-2.400	0.000	1.000	1.000	46.28	0.000	0.000	Strato1_2_8_L_0
14 D	9.424	-6.3168E-03	84.40	47.12	84.40	47.12	V-C	7276.	-2.600	0.000	1.000	1.000	47.12	0.000	0.000	Strato1_2_8_L_0
15 D	9.901	-6.0253E-03	90.27	49.51	90.27	49.51	V-C	7276.	-2.800	0.000	1.000	1.000	49.51	0.000	0.000	Strato1_2_8_L_0
16 D	10.04	-5.7394E-03	92.44	50.19	92.44	50.19	V-C	7276.	-3.000	0.000	1.000	1.000	50.19	0.000	0.000	Strato1_2_8_L_0
17 D	10.48	-5.4598E-03	98.05	52.41	98.05	52.41	V-C	7276.	-3.200	0.000	1.000	1.000	52.41	0.000	0.000	Strato1_2_8_L_0
18 D	10.61	-5.1866E-03	100.7	53.07	100.7	53.39	UL-RL	2.1827E+04	-3.400	0.000	1.000	1.000	53.07	0.000	0.000	Strato1_2_8_L_0
19 D	10.72	-4.9196E-03	106.1	53.61	106.1	56.24	UL-RL	2.1827E+04	-3.600	0.000	1.000	1.000	53.61	0.000	0.000	Strato1_2_8_L_0
20 D	10.66	-4.6589E-03	108.9	53.32	108.9	57.70	UL-RL	2.1827E+04	-3.800	0.000	1.000	1.000	53.32	0.000	0.000	Strato1_2_8_L_0
21 D	10.75	-4.4045E-03	114.1	53.75	114.1	60.46	UL-RL	2.1827E+04	-4.000	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
22 D	10.69	-4.1565E-03	116.9	53.46	116.9	61.97	UL-RL	2.1827E+04	-4.200	0.000	1.000	1.000	53.46	0.000	0.000	Strato1_2_8_L_0
23 D	10.77	-3.9153E-03	122.0	53.83	122.0	64.66	UL-RL	2.1827E+04	-4.400	0.000	1.000	1.000	53.83	0.000	0.000	Strato1_2_8_L_0
24 D	10.70	-3.6810E-03	124.7	53.49	124.7	66.07	UL-RL	2.1827E+04	-4.600	0.000	1.000	1.000	53.49	0.000	0.000	Strato1_2_8_L_0
25 D	10.77	-3.4539E-03	129.6	53.86	129.6	68.70	UL-RL	2.1827E+04	-4.800	0.000	1.000	1.000	53.86	0.000	0.000	Strato1_2_8_L_0
26 D	10.73	-3.2343E-03	132.6	53.66	132.6	70.28	UL-RL	2.1827E+04	-5.000	0.000	1.000	1.000				

53.66	0.000	0.000	Strato1_2_8_L_0									
27 D	10.81	-3.0223E-03	137.5	54.05	137.5	72.85	UL-RL	2.1827E+04	-5.200	0.000	1.000	1.000
54.05	0.000	0.000	Strato1_2_8_L_0									
28 D	10.79	-2.8181E-03	140.5	53.93	140.5	74.46	UL-RL	2.1827E+04	-5.400	0.000	1.000	1.000
53.93	0.000	0.000	Strato1_2_8_L_0									
29 D	10.88	-2.6220E-03	145.3	54.38	145.3	76.99	UL-RL	2.1827E+04	-5.600	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
30 D	10.87	-2.4341E-03	148.3	54.35	148.3	78.62	UL-RL	2.1827E+04	-5.800	0.000	1.000	1.000
54.35	0.000	0.000	Strato1_2_8_L_0									
31 D	10.96	-2.2545E-03	152.9	54.80	152.9	81.02	UL-RL	2.1827E+04	-6.000	0.000	1.000	1.000
54.80	0.000	0.000	Strato1_2_8_L_0									
32 D	10.97	-2.0834E-03	156.0	54.87	156.0	82.67	UL-RL	2.1827E+04	-6.200	0.000	1.000	1.000
54.87	0.000	0.000	Strato1_2_8_L_0									
33 D	11.09	-1.9208E-03	160.6	55.46	160.6	85.14	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
55.46	0.000	0.000	Strato1_2_8_L_0									
34 D	11.13	-1.7668E-03	163.8	55.64	163.8	86.81	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
55.64	0.000	0.000	Strato1_2_8_L_0									
35 D	11.26	-1.6214E-03	168.4	56.31	168.4	89.25	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
56.31	0.000	0.000	Strato1_2_8_L_0									
36 D	11.32	-1.4846E-03	171.6	56.60	171.6	90.94	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
56.60	0.000	0.000	Strato1_2_8_L_0									
37 D	11.47	-1.3563E-03	176.1	57.35	176.1	93.35	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
57.35	0.000	0.000	Strato1_2_8_L_0									
38 D	11.96	-1.2365E-03	179.3	59.78	179.3	95.05	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
59.78	0.000	0.000	Strato1_2_8_L_0									
39 D	12.91	-1.1250E-03	183.7	64.53	183.7	97.36	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
64.53	0.000	0.000	Strato1_2_8_L_0									
40 D	13.70	-1.0216E-03	186.9	68.52	186.9	99.08	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
68.52	0.000	0.000	Strato1_2_8_L_0									
41 D	14.60	-9.2608E-04	191.4	72.99	191.4	101.5	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
72.99	0.000	0.000	Strato1_2_8_L_0									
42 D	15.33	-8.3826E-04	194.7	76.67	194.7	103.2	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
76.67	0.000	0.000	Strato1_2_8_L_0									
43 D	16.16	-7.5785E-04	199.1	80.81	199.1	105.5	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
80.81	0.000	0.000	Strato1_2_8_L_0									
44 D	16.84	-6.8455E-04	202.4	84.19	202.4	107.3	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
84.19	0.000	0.000	Strato1_2_8_L_0									
45 D	17.60	-6.1807E-04	206.8	88.02	206.8	109.6	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
88.02	0.000	0.000	Strato1_2_8_L_0									
46 D	18.21	-5.5807E-04	210.0	91.07	210.0	111.3	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
91.07	0.000	0.000	Strato1_2_8_L_0									
47 D	18.93	-5.0423E-04	214.4	94.63	214.4	113.6	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.63	0.000	0.000	Strato1_2_8_L_0									
48 D	19.50	-4.5621E-04	217.7	97.52	217.7	115.4	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.52	0.000	0.000	Strato1_2_8_L_0									
49 D	20.17	-4.1367E-04	222.1	100.8	222.1	117.7	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.8	0.000	0.000	Strato1_2_8_L_0									
50 D	20.70	-3.7625E-04	225.4	103.5	225.4	119.5	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
103.5	0.000	0.000	Strato1_2_8_L_0									
51 D	21.32	-3.4362E-04	229.8	106.6	229.8	121.8	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
106.6	0.000	0.000	Strato1_2_8_L_0									
52 D	21.82	-3.1543E-04	233.1	109.1	233.1	123.6	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
109.1	0.000	0.000	Strato1_2_8_L_0									
53 D	22.41	-2.9134E-04	237.4	112.1	237.4	125.8	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
112.1	0.000	0.000	Strato1_2_8_L_0									
54 D	22.87	-2.7102E-04	240.7	114.4	240.7	127.6	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
114.4	0.000	0.000	Strato1_2_8_L_0									
55 D	23.43	-2.5414E-04	245.0	117.1	245.0	129.8	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
117.1	0.000	0.000	Strato1_2_8_L_0									
56 D	23.88	-2.4041E-04	248.4	119.4	248.4	131.6	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
119.4	0.000	0.000	Strato1_2_8_L_0									
57 D	24.41	-2.2951E-04	252.7	122.0	252.7	133.9	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
122.0	0.000	0.000	Strato1_2_8_L_0									
58 D	24.84	-2.2116E-04	256.1	124.2	256.1	135.7	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
124.2	0.000	0.000	Strato1_2_8_L_0									
59 D	25.35	-2.1509E-04	260.3	126.8	260.3	138.0	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
126.8	0.000	0.000	Strato1_2_8_L_0									
60 D	25.77	-2.1104E-04	263.7	128.8	263.7	139.8	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
128.8	0.000	0.000	Strato1_2_8_L_0									
61 D	26.26	-2.0877E-04	267.9	131.3	267.9	142.0	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
131.3	0.000	0.000	Strato1_2_8_L_0									
62 D	26.66	-2.0805E-04	271.3	133.3	271.3	143.8	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
133.3	0.000	0.000	Strato1_2_8_L_0									
63 D	27.15	-2.0868E-04	275.5	135.7	275.5	146.0	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
135.7	0.000	0.000	Strato1_2_8_L_0									
64 D	27.55	-2.1045E-04	279.0	137.7	279.0	147.9	UL-RL	2.1827E+04	-12.60	0.000	1.000	1.000
137.7	0.000	0.000	Strato1_2_8_L_0									
65 D	28.02	-2.1321E-04	283.2	140.1	283.2	150.1	UL-RL	2.1827E+04	-12.80	0.000	1.000	1.000
140.1	0.000	0.000	Strato1_2_8_L_0									
66 D	28.42	-2.1680E-04	286.7	142.1	286.7	151.9	UL-RL	2.1827E+04	-13.00	0.000	1.000	1.000
142.1	0.000	0.000	Strato1_2_8_L_0									
67 D	23.59	-2.2107E-04	291.0	117.9	291.0	145.5	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
117.9	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.01	-2.2591E-04	294.6	120.0	294.6	147.3	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
120.0	0.000	0.000	Strato2_3095_82743_L_0									

69 D	24.48	-2.3122E-04	298.9	122.4	298.9	149.5	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
122.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.89	-2.3690E-04	302.6	124.4	302.6	151.3	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.35	-2.4286E-04	307.0	126.8	307.0	153.5	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
126.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.74	-2.4903E-04	310.7	128.7	310.7	155.3	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
128.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.18	-2.5534E-04	315.0	130.9	315.0	157.5	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
130.9	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.56	-2.6174E-04	318.7	132.8	318.7	159.4	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
132.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.99	-2.6819E-04	323.1	134.9	323.1	161.5	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
134.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.34	-2.7464E-04	326.7	136.7	326.7	163.3	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
136.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.76	-2.8107E-04	331.0	138.8	331.0	165.5	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
138.8	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.11	-2.8745E-04	334.7	140.6	334.7	167.4	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
140.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.52	-2.9377E-04	339.1	142.6	339.1	169.5	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
142.6	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.87	-3.0001E-04	342.8	144.3	342.8	171.4	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.3	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.27	-3.0619E-04	347.1	146.4	347.1	173.6	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
146.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.67	-3.1228E-04	351.4	148.4	351.4	175.7	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
148.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.01	-3.1830E-04	355.1	150.0	355.1	177.6	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
150.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.40	-3.2426E-04	359.4	152.0	359.4	179.7	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
152.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.73	-3.3016E-04	363.1	153.7	363.1	181.6	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.13	-3.3601E-04	367.4	155.6	367.4	183.7	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
155.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.46	-3.4182E-04	371.1	157.3	371.1	185.6	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
157.3	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.85	-3.4761E-04	375.4	159.3	375.4	187.7	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
159.3	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.19	-3.5338E-04	379.2	160.9	379.2	189.6	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.9	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.58	-3.5914E-04	383.5	162.9	383.5	191.7	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.9	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.45	-3.6490E-04	387.1	164.5	387.1	193.6	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
164.5	0.000	0.000	Strato2_3095_82743_L_0									

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
 |                                 Exe Time :29 July 2019      18:00:07                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									

7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	0.1155	4.9196E-03	1.900	0.5776	68.40	40.03	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
20 D	1.800	4.6589E-03	5.700	8.998	72.20	42.06	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000	8.998	0.000	0.000	Strato1_2_8_L_0
21 D	5.031	4.4045E-03	9.500	25.15	76.00	44.08	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000	25.15	0.000	0.000	Strato1_2_8_L_0
22 D	8.263	4.1565E-03	13.30	41.32	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000	41.32	0.000	0.000	Strato1_2_8_L_0
23 D	11.50	3.9153E-03	17.10	57.48	83.60	69.10	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000	57.48	0.000	0.000	Strato1_2_8_L_0
24 D	11.91	3.6810E-03	20.90	59.56	87.40	70.38	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000	59.56	0.000	0.000	Strato1_2_8_L_0
25 D	12.19	3.4539E-03	24.70	60.96	91.20	70.99	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000	60.96	0.000	0.000	Strato1_2_8_L_0
26 D	12.48	3.2343E-03	28.50	62.38	95.00	71.64	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000	62.38	0.000	0.000	Strato1_2_8_L_0
27 D	12.77	3.0223E-03	32.30	63.83	98.80	72.34	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000	63.83	0.000	0.000	Strato1_2_8_L_0
28 D	13.06	2.8181E-03	36.10	65.30	102.6	73.09	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000	65.30	0.000	0.000	Strato1_2_8_L_0
29 D	13.36	2.6220E-03	39.90	66.80	106.4	73.89	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000	66.80	0.000	0.000	Strato1_2_8_L_0
30 D	13.66	2.4341E-03	43.70	68.32	110.2	74.73	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000	68.32	0.000	0.000	Strato1_2_8_L_0
31 D	13.97	2.2545E-03	47.50	69.85	114.0	75.63	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000	69.85	0.000	0.000	Strato1_2_8_L_0
32 D	14.28	2.0834E-03	51.30	71.41	117.8	76.58	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000	71.41	0.000	0.000	Strato1_2_8_L_0
33 D	14.60	1.9208E-03	55.10	72.99	121.6	77.59	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000	72.99	0.000	0.000	Strato1_2_8_L_0
34 D	14.92	1.7668E-03	58.90	74.59	125.4	78.65	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000	74.59	0.000	0.000	Strato1_2_8_L_0
35 D	15.24	1.6214E-03	62.70	76.21	129.2	79.76	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000	76.21	0.000	0.000	Strato1_2_8_L_0
36 D	15.57	1.4846E-03	66.50	77.85	133.0	80.93	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000	77.85	0.000	0.000	Strato1_2_8_L_0
37 D	15.90	1.3563E-03	70.30	79.51	136.8	82.15	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000	79.51	0.000	0.000	Strato1_2_8_L_0
38 D	16.24	1.2365E-03	74.10	81.19	140.6	83.42	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000	81.19	0.000	0.000	Strato1_2_8_L_0
39 D	16.58	1.1250E-03	77.90	82.88	144.4	84.75	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000	82.88	0.000	0.000	Strato1_2_8_L_0
40 D	16.92	1.0216E-03	81.70	84.60	148.2	86.12	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000	84.60	0.000	0.000	Strato1_2_8_L_0
41 D	17.27	9.2608E-04	85.50	86.34	152.0	87.55	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000	86.34	0.000	0.000	Strato1_2_8_L_0
42 D	17.62	8.3826E-04	89.30	88.09	155.8	89.02	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000	88.09	0.000	0.000	Strato1_2_8_L_0
43 D	17.97	7.5785E-04	93.10	89.86	159.6	90.53	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000	89.86	0.000	0.000	Strato1_2_8_L_0
44 D	18.33	6.8455E-04	96.90	91.65	163.4	92.09	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000	91.65	0.000	0.000	Strato1_2_8_L_0
45 D	18.69	6.1807E-04	100.7	93.45	167.2	93.69	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000	93.45	0.000	0.000	Strato1_2_8_L_0
46 D	19.05	5.5807E-04	104.5	95.27	171.0	95.33	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000	95.27	0.000	0.000	Strato1_2_8_L_0
47 D	19.41	5.0423E-04	108.3	97.04	174.8	97.04	V-C	5049.	-9.200	0.000	1.000	1.000	97.04	0.000	0.000	Strato1_2_8_L_0
48 D	19.76	4.5621E-04	112.1	98.79	178.6	98.79	V-C	5049.	-9.400	0.000	1.000	1.000	98.79	0.000	0.000	Strato1_2_8_L_0
49 D	20.11	4.1367E-04	115.9	100.6	182.4	100.6	V-C	5049.	-9.600	0.000	1.000	1.000				

100.6	0.000	0.000	Strato1_2_8_L_0									
50 D	20.46	3.7625E-04	119.7	102.3	186.2	102.4	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000
102.3	0.000	0.000	Strato1_2_8_L_0									
51 D	20.77	3.4362E-04	123.5	103.9	190.0	104.4	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000
103.9	0.000	0.000	Strato1_2_8_L_0									
52 D	21.10	3.1543E-04	127.3	105.5	193.8	106.3	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000
105.5	0.000	0.000	Strato1_2_8_L_0									
53 D	21.44	2.9134E-04	131.1	107.2	197.6	108.3	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000
107.2	0.000	0.000	Strato1_2_8_L_0									
54 D	21.78	2.7102E-04	134.9	108.9	201.4	110.2	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000
108.9	0.000	0.000	Strato1_2_8_L_0									
55 D	22.14	2.5414E-04	138.7	110.7	205.2	112.2	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000
110.7	0.000	0.000	Strato1_2_8_L_0									
56 D	22.51	2.4041E-04	142.5	112.6	209.0	114.1	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
112.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.89	2.2951E-04	146.3	114.5	212.8	116.1	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
114.5	0.000	0.000	Strato1_2_8_L_0									
58 D	23.28	2.2116E-04	150.1	116.4	216.6	118.0	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
116.4	0.000	0.000	Strato1_2_8_L_0									
59 D	23.67	2.1509E-04	153.9	118.4	220.4	119.9	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
60 D	24.07	2.1104E-04	157.7	120.3	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
120.3	0.000	0.000	Strato1_2_8_L_0									
61 D	24.45	2.0877E-04	161.5	122.3	228.0	123.8	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
122.3	0.000	0.000	Strato1_2_8_L_0									
62 D	24.84	2.0805E-04	165.3	124.2	231.8	125.8	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
124.2	0.000	0.000	Strato1_2_8_L_0									
63 D	25.24	2.0868E-04	169.1	126.2	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
126.2	0.000	0.000	Strato1_2_8_L_0									
64 D	25.64	2.1045E-04	172.9	128.2	239.4	129.7	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000
128.2	0.000	0.000	Strato1_2_8_L_0									
65 D	26.04	2.1321E-04	176.7	130.2	243.2	131.7	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000
130.2	0.000	0.000	Strato1_2_8_L_0									
66 D	26.44	2.1680E-04	180.5	132.2	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000
132.2	0.000	0.000	Strato1_2_8_L_0									
67 D	22.43	2.2107E-04	184.4	112.1	250.9	130.6	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
68 D	22.89	2.2591E-04	188.4	114.4	254.9	132.4	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
114.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.35	2.3122E-04	192.4	116.8	258.9	134.2	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato2_3095_82743_L_0									
70 D	23.81	2.3690E-04	196.4	119.1	262.9	136.0	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.28	2.4286E-04	200.4	121.4	266.9	137.8	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
121.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.74	2.4903E-04	204.4	123.7	270.9	139.6	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.21	2.5534E-04	208.4	126.0	274.9	141.5	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
126.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.67	2.6174E-04	212.4	128.4	278.9	143.3	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
128.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.13	2.6819E-04	216.4	130.7	282.9	145.2	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
130.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.59	2.7464E-04	220.4	133.0	286.9	147.0	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
133.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.05	2.8107E-04	224.4	135.3	290.9	148.9	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
135.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.51	2.8745E-04	228.4	137.6	294.9	150.8	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	27.97	2.9377E-04	232.4	139.8	298.9	152.7	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
139.8	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.42	3.0001E-04	236.4	142.1	302.9	154.6	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
142.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.88	3.0619E-04	240.4	144.4	306.9	156.5	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.33	3.1228E-04	244.4	146.6	310.9	158.5	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
146.6	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.78	3.1830E-04	248.4	148.9	314.9	160.4	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
148.9	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.23	3.2426E-04	252.4	151.2	318.9	162.3	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.2	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.68	3.3016E-04	256.4	153.4	322.9	164.2	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.4	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.13	3.3601E-04	260.4	155.6	326.9	166.2	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.6	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.58	3.4182E-04	264.4	157.9	330.9	168.1	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
157.9	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.02	3.4761E-04	268.4	160.1	334.9	170.1	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.1	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.47	3.5338E-04	272.4	162.4	338.9	172.0	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.4	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.92	3.5914E-04	276.4	164.6	342.9	173.9	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.6	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.68	3.6490E-04	280.4	166.8	346.9	175.9	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000

166.8 0.000 0.000 Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:00:07

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T T I M E I S 4.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.5999	-1.5999	-2.41389E-11	0.31998
2	4.8360	-4.8360	-0.31998	1.2872
3	9.9074	-9.9074	-1.2872	3.2687
4	15.083	-15.083	-3.2687	6.2852
5	21.337	-21.337	-6.2852	10.553
6	27.687	-27.687	-10.553	16.090
7	34.828	-34.828	-16.090	23.055
8	42.087	-42.087	-23.055	31.473
9	49.939	-49.939	-31.473	41.461
10	57.938	-57.938	-41.461	53.048
11	66.514	-66.514	-53.048	66.351
12	75.249	-75.249	-66.351	81.401
13	84.505	-84.505	-81.401	98.302
14	93.928	-93.928	-98.302	117.09
15	103.83	-103.83	-117.09	137.85
16	-22.231	22.231	-137.85	133.41
17	-11.748	11.748	-133.41	131.06
18	-1.1334	1.1334	-131.06	130.83
19	9.4737	-9.4737	-130.83	132.73
20	18.339	-18.339	-132.73	136.39
21	24.058	-24.058	-136.39	141.21
22	26.486	-26.486	-141.21	146.50
23	25.757	-25.757	-146.50	151.65
24	24.543	-24.543	-151.65	156.56
25	23.124	-23.124	-156.56	161.19
26	21.380	-21.380	-161.19	165.46
27	19.424	-19.424	-165.46	169.35
28	17.149	-17.149	-169.35	172.78
29	14.665	-14.665	-172.78	175.71
30	11.870	-11.870	-175.71	178.08
31	8.8594	-8.8594	-178.08	179.86
32	5.5518	-5.5518	-179.86	180.97
33	2.0460	-2.0460	-180.97	181.38
34	-1.7432	1.7432	-181.38	181.03
35	-5.7224	5.7224	-181.03	179.88
36	-9.9717	9.9717	-179.88	177.89
37	-14.403	14.403	-177.89	175.01
38	-18.684	18.684	-175.01	171.27
39	-22.355	22.355	-171.27	166.80
40	-25.571	25.571	-166.80	161.69
41	-28.239	28.239	-161.69	156.04
42	-30.524	30.524	-156.04	149.93
43	-32.335	32.335	-149.93	143.47
44	-33.826	33.826	-143.47	136.70
45	-34.913	34.913	-136.70	129.72
46	-35.752	35.752	-129.72	122.57
47	-36.234	36.234	-122.57	115.32
48	-36.489	36.489	-115.32	108.02
49	-36.438	36.438	-108.02	100.74
50	-36.200	36.200	-100.74	93.496
51	-35.652	35.652	-93.496	86.366
52	-34.926	34.926	-86.366	79.381
53	-33.951	33.951	-79.381	72.591
54	-32.864	32.864	-72.591	66.018
55	-31.581	31.581	-66.018	59.702
56	-30.217	30.217	-59.702	53.658
57	-28.701	28.701	-53.658	47.918
58	-27.140	27.140	-47.918	42.490
59	-25.461	25.461	-42.490	37.398
60	-23.761	23.761	-37.398	32.645
61	-21.959	21.959	-32.645	28.254

```
   62 -20.141      20.141     -28.254      24.225
   63 -18.230      18.230     -24.225      20.579
   64 -16.319      16.319     -20.579      17.316
   65 -14.331      14.331     -17.316      14.450
   66 -12.355      12.355     -14.450      11.979
   67 -11.194      11.194     -11.979      9.7398
   68 -10.074      10.074     -9.7398      7.7251
   69 -8.9408      8.9408     -7.7251      5.9369
   70 -7.8688      7.8688     -5.9369      4.3631
   71 -6.7969      6.7969     -4.3631      3.0038
   72 -5.8028      5.8028     -3.0038      1.8433
   73 -4.8259      4.8259     -1.8433     0.87809
   74 -3.9399      3.9399    -0.87809     9.01121E-02
   75 -3.0840      3.0840    -9.01121E-02-0.52669
   76 -2.3362      2.3362     0.52669    -0.99392
   77 -1.6279      1.6279     0.99392     -1.3195
   78 -1.0263      1.0263      1.3195     -1.5248
   79-0.47106     0.47106      1.5248     -1.6190
   80-2.63996E-02 2.63996E-02  1.6190     -1.6243
   81 0.36751    -0.36751      1.6243     -1.5508
   82 0.70857    -0.70857      1.5508     -1.4090
   83 0.93636    -0.93636      1.4090     -1.2218
   84  1.1023     -1.1023      1.2218     -1.0013
   85  1.1548     -1.1548      1.0013    -0.77034
   86  1.1511     -1.1511     0.77034    -0.54012
   87  1.0344     -1.0344     0.54012    -0.33324
   88 0.86072    -0.86072     0.33324    -0.16110
   89 0.57458    -0.57458     0.16110    -4.61842E-02
   90 0.23092    -0.23092     4.61842E-02-5.11480E-13



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      18:00:07                                                |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   140.90     -1.08357E-03 -1.08357E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      18:00:07                                                |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 8876.     REMNOR=0.1012E-18 RATIO =0.1966     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1966     RATIOR= 0.000
```

```
           MAX UN= 19.76     IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.2532E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 1182.     REMNOR=0.7491E-18 RATIO =0.7174E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.7174E-01 RATIOR= 0.000
           MAX UN= 8.768     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1825E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 443.5     REMNOR=0.1428E-17 RATIO =0.4394E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.4394E-01 RATIOR= 0.000
           MAX UN= 7.312     IEQ=   103 NODE     52 DOF   1  Y-DISPL.F
           MIN UN=-.4089E-08 IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM= 60.47     REMNOR=0.6845E-17 RATIO =0.1623E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1623E-01 RATIOR= 0.000
           MAX UN= 4.684     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-.8309     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM=0.3284     REMNOR=0.1576E-17 RATIO =0.1196E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.1196E-02 RATIOR= 0.000
           MAX UN=0.4104     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-.5703E-08 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2297E+06 RIMNOR=0.1842E+07
           RENORM=0.5295E-15 REMNOR=0.1155E-17 RATIO =0.4801E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 181.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2297E+06 RDR   =0.1842E+07
           RATIOT=0.4801E-10 RATIOR= 0.000
           MAX UN=0.7420E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-.6931E-08 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:00:07                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2041727E-02  -1.2795206E-03
    2   3.1785823E-02  -1.2795134E-03
```

3	3.1529924E-02	-1.2794761E-03
4	3.1274039E-02	-1.2793478E-03
5	3.1018197E-02	-1.2790357E-03
6	3.0762444E-02	-1.2784266E-03
7	3.0506855E-02	-1.2773880E-03
8	3.0251528E-02	-1.2757717E-03
9	2.9996595E-02	-1.2734139E-03
10	2.9742223E-02	-1.2701384E-03
11	2.9488614E-02	-1.2657557E-03
12	2.9236008E-02	-1.2600638E-03
13	2.8984690E-02	-1.2528471E-03
14	2.8734986E-02	-1.2438781E-03
15	2.8487272E-02	-1.2329167E-03
16	2.8241969E-02	-1.2197108E-03
17	2.7999208E-02	-1.2091963E-03
18	2.7757783E-02	-1.2062982E-03
19	2.7516200E-02	-1.2107296E-03
20	2.7273022E-02	-1.2221920E-03
21	2.7026875E-02	-1.2403749E-03
22	2.6776446E-02	-1.2649566E-03
23	2.6520488E-02	-1.2956037E-03
24	2.6257824E-02	-1.3319711E-03
25	2.5987343E-02	-1.3737031E-03
26	2.5708010E-02	-1.4204326E-03
27	2.5418862E-02	-1.4717810E-03
28	2.5119016E-02	-1.5273586E-03
29	2.4807665E-02	-1.5867638E-03
30	2.4484084E-02	-1.6495848E-03
31	2.4147632E-02	-1.7153974E-03
32	2.3797754E-02	-1.7837670E-03
33	2.3433984E-02	-1.8542476E-03
34	2.3055945E-02	-1.9263824E-03
35	2.2663354E-02	-1.9997025E-03
36	2.2256019E-02	-2.0737294E-03
37	2.1833848E-02	-2.1479719E-03
38	2.1396849E-02	-2.2219282E-03
39	2.0945130E-02	-2.2950851E-03
40	2.0478906E-02	-2.3669183E-03
41	1.9998489E-02	-2.4368936E-03
42	1.9504309E-02	-2.5044643E-03
43	1.8996901E-02	-2.5690733E-03
44	1.8476915E-02	-2.6301521E-03
45	1.7945117E-02	-2.6871208E-03
46	1.7402369E-02	-2.7393906E-03
47	1.6849701E-02	-2.7863568E-03
48	1.6288220E-02	-2.8274083E-03
49	1.5719176E-02	-2.8619213E-03
50	1.5143930E-02	-2.8892976E-03
51	1.4563966E-02	-2.9090370E-03
52	1.3980846E-02	-2.9207743E-03
53	1.3396202E-02	-2.9242785E-03
54	1.2811690E-02	-2.9194539E-03
55	1.2228973E-02	-2.9063394E-03
56	1.1649695E-02	-2.8851089E-03
57	1.1075450E-02	-2.8560709E-03
58	1.0507758E-02	-2.8196689E-03
59	9.9480374E-03	-2.7764474E-03
60	9.3975951E-03	-2.7269834E-03
61	8.8576220E-03	-2.6718504E-03
62	8.3291948E-03	-2.6116187E-03
63	7.8132766E-03	-2.5468560E-03
64	7.3107169E-03	-2.4781270E-03
65	6.8222527E-03	-2.4059943E-03
66	6.3485087E-03	-2.3310183E-03
67	5.8899986E-03	-2.2537438E-03
68	5.4471189E-03	-2.1748532E-03
69	5.0201097E-03	-2.0951764E-03
70	4.6090460E-03	-2.0155352E-03
71	4.2138390E-03	-1.9367435E-03
72	3.8342384E-03	-1.8596039E-03
73	3.4698533E-03	-1.7848978E-03
74	3.1200864E-03	-1.7133613E-03
75	2.7842525E-03	-1.6456692E-03
76	2.4615254E-03	-1.5823766E-03
77	2.1509792E-03	-1.5239238E-03
78	1.8516112E-03	-1.4706410E-03
79	1.5623632E-03	-1.4227520E-03
80	1.2821427E-03	-1.3803784E-03
81	1.0098426E-03	-1.3435433E-03
82	7.4436104E-04	-1.3121736E-03
83	4.8461997E-04	-1.2861023E-03
84	2.2958413E-04	-1.2650710E-03
85	-2.1733804E-05	-1.2487323E-03
86	-2.7020540E-04	-1.2366538E-03
87	-5.1664457E-04	-1.2283140E-03

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    88  -7.6173985E-04  -1.2231071E-03
    89  -1.0060502E-03  -1.2203424E-03
    90  -1.2499888E-03  -1.2192573E-03
    91  -1.4938107E-03  -1.2190356E-03



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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                               |
 |                                 Exe Time :29 July 2019      18:00:07                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                             :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D  0.3040     -3.2042E-02   10.00       3.040       10.00       16.00          ACTIVE   0.000       0.000       0.000       1.000       1.000
3.040       0.000       0.000     Strato1_2_8_L_0
   2 D  0.6575     -3.1786E-02   10.81       3.288       10.81       16.18          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
3.288       0.000       0.000     Strato1_2_8_L_0
   3 D   1.910     -3.1530E-02   31.41       9.550       31.41       25.36          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
9.550       0.000       0.000     Strato1_2_8_L_0
   4 D   2.005     -3.1274E-02   32.97       10.02       32.97       25.88          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
10.02       0.000       0.000     Strato1_2_8_L_0
   5 D   2.751     -3.1018E-02   45.25       13.76       45.25       31.27          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
13.76       0.000       0.000     Strato1_2_8_L_0
   6 D   2.841     -3.0762E-02   46.73       14.21       46.73       31.75          ACTIVE   0.000      -1.000       0.000       1.000       1.000
14.21       0.000       0.000     Strato1_2_8_L_0
   7 D   3.396     -3.0507E-02   55.86       16.98       55.86       35.71          ACTIVE   0.000      -1.200       0.000       1.000       1.000
16.98       0.000       0.000     Strato1_2_8_L_0
   8 D   3.502     -3.0252E-02   57.60       17.51       57.60       36.30          ACTIVE   0.000      -1.400       0.000       1.000       1.000
17.51       0.000       0.000     Strato1_2_8_L_0
   9 D   3.925     -2.9997E-02   64.56       19.63       64.56       39.26          ACTIVE   0.000      -1.600       0.000       1.000       1.000
19.63       0.000       0.000     Strato1_2_8_L_0
  10 D   4.051     -2.9742E-02   66.63       20.26       66.63       39.99          ACTIVE   0.000      -1.800       0.000       1.000       1.000
20.26       0.000       0.000     Strato1_2_8_L_0
  11 D   4.467     -2.9489E-02   73.46       22.33       73.46       42.88          ACTIVE   0.000      -2.000       0.000       1.000       1.000
22.33       0.000       0.000     Strato1_2_8_L_0
  12 D   4.604     -2.9236E-02   75.72       23.02       75.72       43.68          ACTIVE   0.000      -2.200       0.000       1.000       1.000
23.02       0.000       0.000     Strato1_2_8_L_0
  13 D   4.985     -2.8985E-02   81.98       24.92       81.98       46.28          ACTIVE   0.000      -2.400       0.000       1.000       1.000
24.92       0.000       0.000     Strato1_2_8_L_0
  14 D   5.131     -2.8735E-02   84.40       25.66       84.40       47.12          ACTIVE   0.000      -2.600       0.000       1.000       1.000
25.66       0.000       0.000     Strato1_2_8_L_0
  15 D   5.488     -2.8487E-02   90.27       27.44       90.27       49.51          ACTIVE   0.000      -2.800       0.000       1.000       1.000
27.44       0.000       0.000     Strato1_2_8_L_0
  16 D   5.621     -2.8242E-02   92.44       28.10       92.44       50.19          ACTIVE   0.000      -3.000       0.000       1.000       1.000
28.10       0.000       0.000     Strato1_2_8_L_0
  17 D   5.961     -2.7999E-02   98.05       29.81       98.05       52.41          ACTIVE   0.000      -3.200       0.000       1.000       1.000
29.81       0.000       0.000     Strato1_2_8_L_0
  18 D   6.124     -2.7758E-02   100.7       30.62       100.7       53.39          ACTIVE   0.000      -3.400       0.000       1.000       1.000
30.62       0.000       0.000     Strato1_2_8_L_0
  19 D   6.451     -2.7516E-02   106.1       32.26       106.1       56.24          ACTIVE   0.000      -3.600       0.000       1.000       1.000
32.26       0.000       0.000     Strato1_2_8_L_0
  20 D   6.620     -2.7273E-02   108.9       33.10       108.9       57.70          ACTIVE   0.000      -3.800       0.000       1.000       1.000
33.10       0.000       0.000     Strato1_2_8_L_0
  21 D   6.936     -2.7027E-02   114.1       34.68       114.1       60.46          ACTIVE   0.000      -4.000       0.000       1.000       1.000
34.68       0.000       0.000     Strato1_2_8_L_0
  22 D   7.109     -2.6776E-02   116.9       35.55       116.9       61.97          ACTIVE   0.000      -4.200       0.000       1.000       1.000
35.55       0.000       0.000     Strato1_2_8_L_0
  23 D   7.417     -2.6520E-02   122.0       37.09       122.0       64.66          ACTIVE   0.000      -4.400       0.000       1.000       1.000
37.09       0.000       0.000     Strato1_2_8_L_0
  24 D   7.579     -2.6258E-02   124.7       37.90       124.7       66.07          ACTIVE   0.000      -4.600       0.000       1.000       1.000
37.90       0.000       0.000     Strato1_2_8_L_0
  25 D   7.881     -2.5987E-02   129.6       39.40       129.6       68.70          ACTIVE   0.000      -4.800       0.000       1.000       1.000
39.40       0.000       0.000     Strato1_2_8_L_0
  26 D   8.062     -2.5708E-02   132.6       40.31       132.6       70.28          ACTIVE   0.000      -5.000       0.000       1.000       1.000
40.31       0.000       0.000     Strato1_2_8_L_0
  27 D   8.358     -2.5419E-02   137.5       41.79       137.5       72.85          ACTIVE   0.000      -5.200       0.000       1.000       1.000
41.79       0.000       0.000     Strato1_2_8_L_0
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28 D	8.542	-2.5119E-02	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-2.4808E-02	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.4484E-02	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.4148E-02	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.3798E-02	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.3434E-02	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.3056E-02	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-2.2663E-02	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-2.2256E-02	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-2.1834E-02	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	10.90	-2.1397E-02	179.3	54.52	179.3	95.05	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.52	0.000	0.000	Strato1_2_8_L_0									
39 D	11.17	-2.0945E-02	183.7	55.84	183.7	97.36	ACTIVE	0.000	-7.600	0.000	1.000	1.000
55.84	0.000	0.000	Strato1_2_8_L_0									
40 D	11.37	-2.0479E-02	186.9	56.83	186.9	99.08	ACTIVE	0.000	-7.800	0.000	1.000	1.000
56.83	0.000	0.000	Strato1_2_8_L_0									
41 D	11.64	-1.9998E-02	191.4	58.19	191.4	101.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.19	0.000	0.000	Strato1_2_8_L_0									
42 D	11.84	-1.9504E-02	194.7	59.18	194.7	103.2	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.18	0.000	0.000	Strato1_2_8_L_0									
43 D	12.11	-1.8997E-02	199.1	60.53	199.1	105.5	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.53	0.000	0.000	Strato1_2_8_L_0									
44 D	12.31	-1.8477E-02	202.4	61.53	202.4	107.3	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.53	0.000	0.000	Strato1_2_8_L_0									
45 D	12.57	-1.7945E-02	206.8	62.87	206.8	109.6	ACTIVE	0.000	-8.800	0.000	1.000	1.000
62.87	0.000	0.000	Strato1_2_8_L_0									
46 D	12.77	-1.7402E-02	210.0	63.84	210.0	111.3	ACTIVE	0.000	-9.000	0.000	1.000	1.000
63.84	0.000	0.000	Strato1_2_8_L_0									
47 D	13.03	-1.6850E-02	214.4	65.17	214.4	113.6	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.17	0.000	0.000	Strato1_2_8_L_0									
48 D	13.24	-1.6288E-02	217.7	66.19	217.7	115.4	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.19	0.000	0.000	Strato1_2_8_L_0									
49 D	13.50	-1.5719E-02	222.1	67.51	222.1	117.7	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.51	0.000	0.000	Strato1_2_8_L_0									
50 D	13.71	-1.5144E-02	225.4	68.53	225.4	119.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000
68.53	0.000	0.000	Strato1_2_8_L_0									
51 D	13.97	-1.4564E-02	229.8	69.85	229.8	121.8	ACTIVE	0.000	-10.00	0.000	1.000	1.000
69.85	0.000	0.000	Strato1_2_8_L_0									
52 D	14.17	-1.3981E-02	233.1	70.87	233.1	123.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000
70.87	0.000	0.000	Strato1_2_8_L_0									
53 D	14.44	-1.3396E-02	237.4	72.18	237.4	125.8	ACTIVE	0.000	-10.40	0.000	1.000	1.000
72.18	0.000	0.000	Strato1_2_8_L_0									
54 D	14.63	-1.2812E-02	240.7	73.17	240.7	127.6	ACTIVE	0.000	-10.60	0.000	1.000	1.000
73.17	0.000	0.000	Strato1_2_8_L_0									
55 D	14.90	-1.2229E-02	245.0	74.48	245.0	129.8	ACTIVE	0.000	-10.80	0.000	1.000	1.000
74.48	0.000	0.000	Strato1_2_8_L_0									
56 D	15.10	-1.1650E-02	248.4	75.51	248.4	131.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000
75.51	0.000	0.000	Strato1_2_8_L_0									
57 D	15.36	-1.1075E-02	252.7	76.81	252.7	133.9	ACTIVE	0.000	-11.20	0.000	1.000	1.000
76.81	0.000	0.000	Strato1_2_8_L_0									
58 D	15.57	-1.0508E-02	256.1	77.85	256.1	135.7	ACTIVE	0.000	-11.40	0.000	1.000	1.000
77.85	0.000	0.000	Strato1_2_8_L_0									
59 D	15.83	-9.9480E-03	260.3	79.14	260.3	138.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000
79.14	0.000	0.000	Strato1_2_8_L_0									
60 D	16.04	-9.3976E-03	263.7	80.18	263.7	139.8	ACTIVE	0.000	-11.80	0.000	1.000	1.000
80.18	0.000	0.000	Strato1_2_8_L_0									
61 D	16.29	-8.8576E-03	267.9	81.44	267.9	142.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000
81.44	0.000	0.000	Strato1_2_8_L_0									
62 D	16.50	-8.3292E-03	271.3	82.48	271.3	143.8	ACTIVE	0.000	-12.20	0.000	1.000	1.000
82.48	0.000	0.000	Strato1_2_8_L_0									
63 D	16.75	-7.8133E-03	275.5	83.77	275.5	146.0	ACTIVE	0.000	-12.40	0.000	1.000	1.000
83.77	0.000	0.000	Strato1_2_8_L_0									
64 D	16.96	-7.3107E-03	279.0	84.81	279.0	147.9	ACTIVE	0.000	-12.60	0.000	1.000	1.000
84.81	0.000	0.000	Strato1_2_8_L_0									
65 D	17.22	-6.8223E-03	283.2	86.09	283.2	150.1	ACTIVE	0.000	-12.80	0.000	1.000	1.000
86.09	0.000	0.000	Strato1_2_8_L_0									
66 D	18.01	-6.3485E-03	286.7	90.03	286.7	151.9	UL-RL	8488.	-13.00	0.000	1.000	1.000
90.03	0.000	0.000	Strato1_2_8_L_0									
67 D	9.797	-5.8900E-03	291.0	48.98	291.0	145.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000
48.98	0.000	0.000	Strato2_3095_82743_L_0									
68 D	9.969	-5.4471E-03	294.6	49.84	294.6	147.3	ACTIVE	0.000	-13.40	0.000	1.000	1.000
49.84	0.000	0.000	Strato2_3095_82743_L_0									
69 D	10.17	-5.0201E-03	298.9	50.86	298.9	149.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000
50.86	0.000	0.000	Strato2_3095_82743_L_0									
70 D	10.34	-4.6090E-03	302.6	51.72	302.6	151.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000

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51.72       0.000       0.000     Strato2_3095_82743_L_0
   71 D   10.55     -4.2138E-03   307.0       52.75       307.0       153.5          ACTIVE   0.000      -14.00       0.000       1.000       1.000
52.75       0.000       0.000     Strato2_3095_82743_L_0
   72 D   10.72     -3.8342E-03   310.7       53.61       310.7       155.3          ACTIVE   0.000      -14.20       0.000       1.000       1.000
53.61       0.000       0.000     Strato2_3095_82743_L_0
   73 D   10.93     -3.4699E-03   315.0       54.64       315.0       157.5          ACTIVE   0.000      -14.40       0.000       1.000       1.000
54.64       0.000       0.000     Strato2_3095_82743_L_0
   74 D   12.83     -3.1201E-03   318.7       64.15       318.7       159.4           UL-RL   2.4012E+04 -14.60       0.000       1.000       1.000
64.15       0.000       0.000     Strato2_3095_82743_L_0
   75 D   14.91     -2.7843E-03   323.1       74.53       323.1       161.5           UL-RL   2.4012E+04 -14.80       0.000       1.000       1.000
74.53       0.000       0.000     Strato2_3095_82743_L_0
   76 D   16.84     -2.4615E-03   326.7       84.19       326.7       163.3           UL-RL   2.4012E+04 -15.00       0.000       1.000       1.000
84.19       0.000       0.000     Strato2_3095_82743_L_0
   77 D   18.78     -2.1510E-03   331.0       93.91       331.0       165.5           UL-RL   2.4012E+04 -15.20       0.000       1.000       1.000
93.91       0.000       0.000     Strato2_3095_82743_L_0
   78 D   20.60     -1.8516E-03   334.7       103.0       334.7       167.4           UL-RL   2.4012E+04 -15.40       0.000       1.000       1.000
103.0       0.000       0.000     Strato2_3095_82743_L_0
   79 D   22.43     -1.5624E-03   339.1       112.2       339.1       169.5           UL-RL   2.4012E+04 -15.60       0.000       1.000       1.000
112.2       0.000       0.000     Strato2_3095_82743_L_0
   80 D   24.15     -1.2821E-03   342.8       120.8       342.8       171.4           UL-RL   2.4012E+04 -15.80       0.000       1.000       1.000
120.8       0.000       0.000     Strato2_3095_82743_L_0
   81 D   25.89     -1.0098E-03   347.1       129.5       347.1       173.6           UL-RL   2.4012E+04 -16.00       0.000       1.000       1.000
129.5       0.000       0.000     Strato2_3095_82743_L_0
   82 D   27.60     -7.4436E-04   351.4       138.0       351.4       175.7           UL-RL   2.4012E+04 -16.20       0.000       1.000       1.000
138.0       0.000       0.000     Strato2_3095_82743_L_0
   83 D   29.21     -4.8462E-04   355.1       146.0       355.1       177.6           UL-RL   2.4012E+04 -16.40       0.000       1.000       1.000
146.0       0.000       0.000     Strato2_3095_82743_L_0
   84 D   30.85     -2.2958E-04   359.4       154.3       359.4       179.7           UL-RL   2.4012E+04 -16.60       0.000       1.000       1.000
154.3       0.000       0.000     Strato2_3095_82743_L_0
   85 D   32.42      2.1734E-05   363.1       162.1       363.1       181.6           UL-RL   2.4012E+04 -16.80       0.000       1.000       1.000
162.1       0.000       0.000     Strato2_3095_82743_L_0
   86 D   34.04      2.7021E-04   367.4       170.2       367.4       183.7           UL-RL   2.4012E+04 -17.00       0.000       1.000       1.000
170.2       0.000       0.000     Strato2_3095_82743_L_0
   87 D   35.58      5.1664E-04   371.1       177.9       371.1       185.6           UL-RL   2.4012E+04 -17.20       0.000       1.000       1.000
177.9       0.000       0.000     Strato2_3095_82743_L_0
   88 D   37.18      7.6174E-04   375.4       185.9       375.4       187.7           UL-RL   2.4012E+04 -17.40       0.000       1.000       1.000
185.9       0.000       0.000     Strato2_3095_82743_L_0
   89 D   38.18      1.0061E-03   379.2       190.9       379.2       190.9             V-C   8004.      -17.60       0.000       1.000       1.000
190.9       0.000       0.000     Strato2_3095_82743_L_0
   90 D   39.00      1.2500E-03   383.5       195.0       383.5       195.0             V-C   8004.      -17.80       0.000       1.000       1.000
195.0       0.000       0.000     Strato2_3095_82743_L_0
   91 D   19.88      1.4938E-03   387.1       198.8       387.1       198.8             V-C   8004.      -18.00       0.000       1.000       1.000
198.8       0.000       0.000     Strato2_3095_82743_L_0


 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                               |
 |                                  Exe Time :29 July 2019      18:00:07                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED      --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED      --       -0.2000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED      --       -0.4000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED      --       -0.6000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED      --       -0.8000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED      --       -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED      --       -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED      --       -1.400       0.000       1.000       1.000
```

0.000 0.000 0.000 not available
9 0.000 -- -- -- -- -- REMOVED -- -1.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
10 0.000 -- -- -- -- -- REMOVED -- -1.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
11 0.000 -- -- -- -- -- REMOVED -- -2.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
12 0.000 -- -- -- -- -- REMOVED -- -2.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
13 0.000 -- -- -- -- -- REMOVED -- -2.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
14 0.000 -- -- -- -- -- REMOVED -- -2.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
15 0.000 -- -- -- -- -- REMOVED -- -2.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
16 0.000 -- -- -- -- -- REMOVED -- -3.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
17 0.000 -- -- -- -- -- REMOVED -- -3.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
18 0.000 -- -- -- -- -- REMOVED -- -3.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
19 0.000 -- -- -- -- -- REMOVED -- -3.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
20 0.000 -- -- -- -- -- REMOVED -- -3.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
21 0.000 -- -- -- -- -- REMOVED -- -4.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
22 0.000 -- -- -- -- -- REMOVED -- -4.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
23 0.000 -- -- -- -- -- REMOVED -- -4.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
24 0.000 -- -- -- -- -- REMOVED -- -4.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
25 0.000 -- -- -- -- -- REMOVED -- -4.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
26 0.000 -- -- -- -- -- REMOVED -- -5.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
27 0.000 -- -- -- -- -- REMOVED -- -5.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
28 0.000 -- -- -- -- -- REMOVED -- -5.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
29 0.000 -- -- -- -- -- REMOVED -- -5.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
30 0.000 -- -- -- -- -- REMOVED -- -5.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 D 1.536 1.5719E-02 1.900 7.678 182.4 100.6 PASSIVE 0.000 -9.600 0.000 1.000 1.000
7.678 0.000 0.000 Strato1_2_8_L_0
50 D 4.607 1.5144E-02 5.700 23.03 186.2 102.4 PASSIVE 0.000 -9.800 0.000 1.000 1.000
23.03 0.000 0.000 Strato1_2_8_L_0

51 D	7.678	1.4564E-02	9.500	38.39	190.0	104.4	PASSIVE	0.000	-10.00	0.000	1.000	1.000
38.39	0.000	0.000	Strato1_2_8_L_0									
52 D	10.75	1.3981E-02	13.30	53.75	193.8	106.3	PASSIVE	0.000	-10.20	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0									
53 D	13.82	1.3396E-02	17.10	69.10	197.6	108.3	PASSIVE	0.000	-10.40	0.000	1.000	1.000
69.10	0.000	0.000	Strato1_2_8_L_0									
54 D	16.89	1.2812E-02	20.90	84.46	201.4	110.2	PASSIVE	0.000	-10.60	0.000	1.000	1.000
84.46	0.000	0.000	Strato1_2_8_L_0									
55 D	19.96	1.2229E-02	24.70	99.81	205.2	112.2	PASSIVE	0.000	-10.80	0.000	1.000	1.000
99.81	0.000	0.000	Strato1_2_8_L_0									
56 D	23.03	1.1650E-02	28.50	115.2	209.0	115.2	PASSIVE	0.000	-11.00	0.000	1.000	1.000
115.2	0.000	0.000	Strato1_2_8_L_0									
57 D	26.10	1.1075E-02	32.30	130.5	212.8	130.5	PASSIVE	0.000	-11.20	0.000	1.000	1.000
130.5	0.000	0.000	Strato1_2_8_L_0									
58 D	27.77	1.0508E-02	36.10	138.8	216.6	138.8	V-C	2079.	-11.40	0.000	1.000	1.000
138.8	0.000	0.000	Strato1_2_8_L_0									
59 D	27.93	9.9480E-03	39.90	139.6	220.4	139.6	V-C	2079.	-11.60	0.000	1.000	1.000
139.6	0.000	0.000	Strato1_2_8_L_0									
60 D	28.09	9.3976E-03	43.70	140.5	224.2	140.5	V-C	2079.	-11.80	0.000	1.000	1.000
140.5	0.000	0.000	Strato1_2_8_L_0									
61 D	28.26	8.8576E-03	47.50	141.3	228.0	141.3	V-C	2079.	-12.00	0.000	1.000	1.000
141.3	0.000	0.000	Strato1_2_8_L_0									
62 D	28.43	8.3292E-03	51.30	142.2	231.8	142.2	V-C	2079.	-12.20	0.000	1.000	1.000
142.2	0.000	0.000	Strato1_2_8_L_0									
63 D	28.61	7.8133E-03	55.10	143.1	235.6	143.1	V-C	2079.	-12.40	0.000	1.000	1.000
143.1	0.000	0.000	Strato1_2_8_L_0									
64 D	28.80	7.3107E-03	58.90	144.0	239.4	144.0	V-C	2079.	-12.60	0.000	1.000	1.000
144.0	0.000	0.000	Strato1_2_8_L_0									
65 D	28.99	6.8223E-03	62.70	144.9	243.2	144.9	V-C	2079.	-12.80	0.000	1.000	1.000
144.9	0.000	0.000	Strato1_2_8_L_0									
66 D	29.19	6.3485E-03	66.50	145.9	247.0	145.9	V-C	2079.	-13.00	0.000	1.000	1.000
145.9	0.000	0.000	Strato1_2_8_L_0									
67 D	27.36	5.8900E-03	70.40	136.8	250.9	136.8	V-C	4593.	-13.20	0.000	1.000	1.000
136.8	0.000	0.000	Strato2_3095_82743_L_0									
68 D	27.37	5.4471E-03	74.40	136.8	254.9	136.8	V-C	4593.	-13.40	0.000	1.000	1.000
136.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	27.39	5.0201E-03	78.40	136.9	258.9	136.9	V-C	4593.	-13.60	0.000	1.000	1.000
136.9	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.42	4.6090E-03	82.40	137.1	262.9	137.1	V-C	4593.	-13.80	0.000	1.000	1.000
137.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.28	4.2138E-03	86.40	136.4	266.9	137.8	UL-RL	1.3780E+04	-14.00	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.74	3.8342E-03	90.40	133.7	270.9	139.6	UL-RL	1.3780E+04	-14.20	0.000	1.000	1.000
133.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.24	3.4699E-03	94.40	131.2	274.9	141.5	UL-RL	1.3780E+04	-14.40	0.000	1.000	1.000
131.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.78	3.1201E-03	98.40	128.9	278.9	143.3	UL-RL	1.3780E+04	-14.60	0.000	1.000	1.000
128.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	25.34	2.7843E-03	102.4	126.7	282.9	145.2	UL-RL	1.3780E+04	-14.80	0.000	1.000	1.000
126.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	24.95	2.4615E-03	106.4	124.7	286.9	147.0	UL-RL	1.3780E+04	-15.00	0.000	1.000	1.000
124.7	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.58	2.1510E-03	110.4	122.9	290.9	148.9	UL-RL	1.3780E+04	-15.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato2_3095_82743_L_0									
78 D	24.24	1.8516E-03	114.4	121.2	294.9	150.8	UL-RL	1.3780E+04	-15.40	0.000	1.000	1.000
121.2	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.92	1.5624E-03	118.4	119.6	298.9	152.7	UL-RL	1.3780E+04	-15.60	0.000	1.000	1.000
119.6	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.63	1.2821E-03	122.4	118.1	302.9	154.6	UL-RL	1.3780E+04	-15.80	0.000	1.000	1.000
118.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.35	1.0098E-03	126.4	116.7	306.9	156.5	UL-RL	1.3780E+04	-16.00	0.000	1.000	1.000
116.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.09	7.4436E-04	130.4	115.4	310.9	158.5	UL-RL	1.3780E+04	-16.20	0.000	1.000	1.000
115.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	22.84	4.8462E-04	134.4	114.2	314.9	160.4	UL-RL	1.3780E+04	-16.40	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
84 D	22.61	2.2958E-04	138.4	113.0	318.9	162.3	UL-RL	1.3780E+04	-16.60	0.000	1.000	1.000
113.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	22.38	-2.1734E-05	142.4	111.9	322.9	164.2	UL-RL	1.3780E+04	-16.80	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0									
86 D	22.16	-2.7021E-04	146.4	110.8	326.9	166.2	UL-RL	1.3780E+04	-17.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato2_3095_82743_L_0									
87 D	21.94	-5.1664E-04	150.4	109.7	330.9	168.1	UL-RL	1.3780E+04	-17.20	0.000	1.000	1.000
109.7	0.000	0.000	Strato2_3095_82743_L_0									
88 D	21.73	-7.6174E-04	154.4	108.6	334.9	170.1	UL-RL	1.3780E+04	-17.40	0.000	1.000	1.000
108.6	0.000	0.000	Strato2_3095_82743_L_0									
89 D	21.51	-1.0061E-03	158.4	107.6	338.9	172.0	UL-RL	1.3780E+04	-17.60	0.000	1.000	1.000
107.6	0.000	0.000	Strato2_3095_82743_L_0									
90 D	21.30	-1.2500E-03	162.4	106.5	342.9	173.9	UL-RL	1.3780E+04	-17.80	0.000	1.000	1.000
106.5	0.000	0.000	Strato2_3095_82743_L_0									
91 D	10.54	-1.4938E-03	166.4	105.4	346.9	175.9	UL-RL	1.3780E+04	-18.00	0.000	1.000	1.000
105.4	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:00:07                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-----------------------------------------------------------
    1 0.30400    -0.30400     2.84981E-11 6.08000E-02
    2 0.96154    -0.96154    -6.08000E-02 0.25311
    3  2.8715     -2.8715    -0.25311     0.82740
    4  4.8761     -4.8761    -0.82740      1.8026
    5  7.6275     -7.6275     -1.8026      3.3281
    6  10.469     -10.469     -3.3281      5.4219
    7  13.865     -13.865     -5.4219      8.1948
    8  17.367     -17.367     -8.1948      11.668
    9  21.292     -21.292     -11.668      15.927
   10  25.343     -25.343     -15.927      20.995
   11  29.810     -29.810     -20.995      26.957
   12  34.413     -34.413     -26.957      33.840
   13  39.398     -39.398     -33.840      41.719
   14  44.529     -44.529     -41.719      50.625
   15  50.017     -50.017     -50.625      60.629
   16 -163.39      163.39     -60.629      27.950
   17 -157.43      157.43     -27.950     -3.5356
   18 -151.31      151.31      3.5356     -33.797
   19 -144.85      144.85      33.797     -62.768
   20 -138.23      138.23      62.768     -90.415
   21 -131.30      131.30      90.415     -116.67
   22 -124.19      124.19      116.67     -141.51
   23 -116.77      116.77      141.51     -164.87
   24 -109.19      109.19      164.87     -186.71
   25 -101.31      101.31      186.71     -206.97
   26 -93.250      93.250      206.97     -225.62
   27 -84.892      84.892      225.62     -242.60
   28 -76.350      76.350      242.60     -257.87
   29 -67.518      67.518      257.87     -271.37
   30 -58.499      58.499      271.37     -283.07
   31 -49.205      49.205      283.07     -292.91
   32 -39.721      39.721      292.91     -300.85
   33 -29.954      29.954      300.85     -306.85
   34 -19.995      19.995      306.85     -310.84
   35 -9.7573      9.7573      310.84     -312.80
   36 0.67459    -0.67459      312.80     -312.66
   37  11.383     -11.383      312.66     -310.38
   38  22.287     -22.287      310.38     -305.93
   39  33.456     -33.456      305.93     -299.24
   40  44.822     -44.822      299.24     -290.27
   41  56.460     -56.460      290.27     -278.98
   42  68.297     -68.297      278.98     -265.32
   43  80.404     -80.404      265.32     -249.24
   44  92.711     -92.711      249.24     -230.70
   45  105.29     -105.29      230.70     -209.64
   46  118.05     -118.05      209.64     -186.03
   47  131.09     -131.09      186.03     -159.81
   48  144.33     -144.33      159.81     -130.95
   49  156.29     -156.29      130.95     -99.687
   50  165.39     -165.39      99.687     -66.608
   51  171.68     -171.68      66.608     -32.272
   52  175.11     -175.11      32.272      2.7501
   53  175.72     -175.72     -2.7501      37.895
   54  173.47     -173.47     -37.895      72.588
   55  168.40     -168.40     -72.588      106.27
   56  160.47     -160.47     -106.27      138.36
   57  149.73     -149.73     -138.36      168.31
   58  137.53     -137.53     -168.31      195.81
   59  125.43     -125.43     -195.81      220.90
   60  113.37     -113.37     -220.90      243.57
   61  101.40     -101.40     -243.57      263.85
   62  89.462     -89.462     -263.85      281.74
   63  77.604     -77.604     -281.74      297.26
   64  65.769     -65.769     -297.26      310.42
   65  53.999     -53.999     -310.42      321.22
```

66	42.819	-42.819	-321.22	329.78
67	25.256	-25.256	-329.78	334.83
68	7.8594	-7.8594	-334.83	336.40
69	-9.3550	9.3550	-336.40	334.53
70	-26.431	26.431	-334.53	329.25
71	-43.163	43.163	-329.25	320.62
72	-59.182	59.182	-320.62	308.78
73	-74.494	74.494	-308.78	293.88
74	-87.440	87.440	-293.88	276.39
75	-97.879	97.879	-276.39	256.82
76	-105.99	105.99	-256.82	235.62
77	-111.78	111.78	-235.62	213.26
78	-115.42	115.42	-213.26	190.18
79	-116.91	116.91	-190.18	166.80
80	-116.38	116.38	-166.80	143.52
81	-113.84	113.84	-143.52	120.75
82	-109.33	109.33	-120.75	98.886
83	-102.97	102.97	-98.886	78.292
84	-94.725	94.725	-78.292	59.346
85	-84.682	84.682	-59.346	42.410
86	-72.804	72.804	-42.410	27.849
87	-59.162	59.162	-27.849	16.017
88	-43.709	43.709	-16.017	7.2746
89	-27.037	27.037	-7.2746	1.8671
90	-9.3357	9.3357	-1.8671	2.57228E-12

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   226.76     -1.08357E-03  2.06522E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM=0.5831E+05 REMNOR=0.1155E-17 RATIO =0.1819     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1819     RATIOR= 0.000
           MAX UN=0.7420E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-241.5     IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM= 3.325     REMNOR=0.1875E-17 RATIO =0.1373E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1373E-02 RATIOR= 0.000
           MAX UN=0.2814     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-1.798     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1763E+07 RIMNOR=0.7345E+07
           RENORM=0.4412E-15 REMNOR=0.1960E-17 RATIO =0.1582E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 241.5     RMMAX = 336.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1763E+07 RDR   =0.7345E+07
           RATIOT=0.1582E-10 RATIOR= 0.000
           MAX UN=0.8154E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.7246E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                Exe Time :29 July 2019      18:00:07                                                   |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2936415E-02  -1.7828932E-03
    2   3.2579837E-02  -1.7828860E-03
    3   3.2223263E-02  -1.7828487E-03
    4   3.1866704E-02  -1.7827205E-03
    5   3.1510187E-02  -1.7824083E-03
    6   3.1153760E-02  -1.7817993E-03
    7   3.0797496E-02  -1.7807606E-03
    8   3.0441494E-02  -1.7791443E-03
    9   3.0085887E-02  -1.7767866E-03
   10   2.9730841E-02  -1.7735110E-03
   11   2.9376557E-02  -1.7691279E-03
   12   2.9023277E-02  -1.7634300E-03
   13   2.8671288E-02  -1.7561890E-03
   14   2.8320921E-02  -1.7471559E-03
   15   2.7972563E-02  -1.7360613E-03
   16   2.7626653E-02  -1.7226156E-03
   17   2.7283351E-02  -1.7116556E-03
   18   2.6941504E-02  -1.7079987E-03
   19   2.6599688E-02  -1.7112961E-03
   20   2.6256547E-02  -1.7211796E-03
   21   2.5910803E-02  -1.7372608E-03
   22   2.5561256E-02  -1.7591320E-03
   23   2.5206792E-02  -1.7863658E-03
   24   2.4846384E-02  -1.8185153E-03
   25   2.4479091E-02  -1.8551149E-03
   26   2.4104074E-02  -1.8956798E-03
   27   2.3720589E-02  -1.9397061E-03
   28   2.3327996E-02  -1.9866708E-03
   29   2.2925763E-02  -2.0360320E-03
   30   2.2513462E-02  -2.0872294E-03
   31   2.2090787E-02  -2.1396840E-03
   32   2.1657545E-02  -2.1927985E-03
   33   2.1213665E-02  -2.2459580E-03
   34   2.0759201E-02  -2.2985299E-03
   35   2.0294338E-02  -2.3498633E-03
   36   1.9819385E-02  -2.3992915E-03
   37   1.9334794E-02  -2.4461297E-03
   38   1.8841152E-02  -2.4896771E-03
   39   1.8339190E-02  -2.5292170E-03
   40   1.7829784E-02  -2.5640170E-03
   41   1.7313951E-02  -2.5933308E-03
   42   1.6792868E-02  -2.6163972E-03
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   43   1.6267861E-02  -2.6324412E-03
   44   1.5740412E-02  -2.6406753E-03
   45   1.5212167E-02  -2.6402995E-03
   46   1.4684910E-02  -2.6305024E-03
   47   1.4160254E-02  -2.6161960E-03
   48   1.3638405E-02  -2.6022824E-03
   49   1.3119373E-02  -2.5879229E-03
   50   1.2603325E-02  -2.5722737E-03
   51   1.2090604E-02  -2.5545185E-03
   52   1.1581703E-02  -2.5339415E-03
   53   1.1077251E-02  -2.5099713E-03
   54   1.0577969E-02  -2.4821823E-03
   55   1.0084651E-02  -2.4502949E-03
   56   9.5981332E-03  -2.4141770E-03
   57   9.1192616E-03  -2.3738438E-03
   58   8.6488658E-03  -2.3294585E-03
   59   8.1877298E-03  -2.2812989E-03
   60   7.7365763E-03  -2.2296890E-03
   61   7.2960620E-03  -2.1749630E-03
   62   6.8667758E-03  -2.1174659E-03
   63   6.4492366E-03  -2.0575540E-03
   64   6.0438907E-03  -1.9955944E-03
   65   5.6511101E-03  -1.9319658E-03
   66   5.2711897E-03  -1.8670581E-03
   67   4.9043463E-03  -1.8012589E-03
   68   4.5507169E-03  -1.7349984E-03
   69   4.2103449E-03  -1.6687688E-03
   70   3.8831729E-03  -1.6030857E-03
   71   3.5690383E-03  -1.5384875E-03
   72   3.2676685E-03  -1.4755309E-03
   73   2.9786933E-03  -1.4147791E-03
   74   2.7015879E-03  -1.3567800E-03
   75   2.4357637E-03  -1.3020443E-03
   76   2.1805248E-03  -1.2509895E-03
   77   1.9351007E-03  -1.2039430E-03
   78   1.6986643E-03  -1.1611458E-03
   79   1.4703486E-03  -1.1227555E-03
   80   1.2492631E-03  -1.0888499E-03
   81   1.0345096E-03  -1.0594294E-03
   82   8.2519731E-04  -1.0344197E-03
   83   6.2045759E-04  -1.0136725E-03
   84   4.1945877E-04  -9.9696851E-04
   85   2.2141003E-04  -9.8401882E-04
   86   2.5614711E-05  -9.7446827E-04
   87  -1.6857560E-04  -9.6789245E-04
   88  -3.6170790E-04  -9.6380104E-04
   89  -5.5422454E-04  -9.6163756E-04
   90  -7.4645080E-04  -9.6079222E-04
   91  -9.3858633E-04  -9.6062040E-04
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                  NewProject.BaseDesignSection_28.SLERara_3454                            |
|                               Exe Time :29 July 2019      18:00:07                                       |
+----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P  N O.   1

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S     6.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P    MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq          Su_a          Su_p      LAYER
------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D  0.3040     -3.2936E-02  10.00        3.040       10.00       16.00         ACTIVE  0.000        0.000       0.000        1.000        1.000
3.040        0.000        0.000    Strato1_2_8_L_0
   2 D  0.6575     -3.2580E-02  10.81        3.288       10.81       16.18         ACTIVE  0.000      -0.2000       0.000        1.000        1.000
3.288        0.000        0.000    Strato1_2_8_L_0
   3 D   1.910     -3.2223E-02  31.41        9.550       31.41       25.36         ACTIVE  0.000      -0.4000       0.000        1.000        1.000
9.550        0.000        0.000    Strato1_2_8_L_0
   4 D   2.005     -3.1867E-02  32.97        10.02       32.97       25.88         ACTIVE  0.000      -0.6000       0.000        1.000        1.000
10.02        0.000        0.000    Strato1_2_8_L_0
   5 D   2.751     -3.1510E-02  45.25        13.76       45.25       31.27         ACTIVE  0.000      -0.8000       0.000        1.000        1.000
```

13.76	0.000	0.000	Strato1_2_8_L_0									
6 D	2.841	-3.1154E-02	46.73	14.21	46.73	31.75	ACTIVE	0.000	-1.000	0.000	1.000	1.000
14.21	0.000	0.000	Strato1_2_8_L_0									
7 D	3.396	-3.0797E-02	55.86	16.98	55.86	35.71	ACTIVE	0.000	-1.200	0.000	1.000	1.000
16.98	0.000	0.000	Strato1_2_8_L_0									
8 D	3.502	-3.0441E-02	57.60	17.51	57.60	36.30	ACTIVE	0.000	-1.400	0.000	1.000	1.000
17.51	0.000	0.000	Strato1_2_8_L_0									
9 D	3.925	-3.0086E-02	64.56	19.63	64.56	39.26	ACTIVE	0.000	-1.600	0.000	1.000	1.000
19.63	0.000	0.000	Strato1_2_8_L_0									
10 D	4.070	-2.9731E-02	66.63	20.35	66.63	39.99	UL-RL	8488.	-1.800	0.000	1.000	1.000
20.35	0.000	0.000	Strato1_2_8_L_0									
11 D	4.657	-2.9377E-02	73.46	23.28	73.46	42.88	UL-RL	8488.	-2.000	0.000	1.000	1.000
23.28	0.000	0.000	Strato1_2_8_L_0									
12 D	4.965	-2.9023E-02	75.72	24.82	75.72	43.68	UL-RL	8488.	-2.200	0.000	1.000	1.000
24.82	0.000	0.000	Strato1_2_8_L_0									
13 D	5.517	-2.8671E-02	81.98	27.58	81.98	46.28	UL-RL	8488.	-2.400	0.000	1.000	1.000
27.58	0.000	0.000	Strato1_2_8_L_0									
14 D	5.834	-2.8321E-02	84.40	29.17	84.40	47.12	UL-RL	8488.	-2.600	0.000	1.000	1.000
29.17	0.000	0.000	Strato1_2_8_L_0									
15 D	6.362	-2.7973E-02	90.27	31.81	90.27	49.51	UL-RL	8488.	-2.800	0.000	1.000	1.000
31.81	0.000	0.000	Strato1_2_8_L_0									
16 D	6.665	-2.7627E-02	92.44	33.33	92.44	50.19	UL-RL	8488.	-3.000	0.000	1.000	1.000
33.33	0.000	0.000	Strato1_2_8_L_0									
17 D	7.177	-2.7283E-02	98.05	35.88	98.05	52.41	UL-RL	8488.	-3.200	0.000	1.000	1.000
35.88	0.000	0.000	Strato1_2_8_L_0									
18 D	7.510	-2.6942E-02	100.7	37.55	100.7	53.39	UL-RL	8488.	-3.400	0.000	1.000	1.000
37.55	0.000	0.000	Strato1_2_8_L_0									
19 D	8.007	-2.6600E-02	106.1	40.04	106.1	56.24	UL-RL	8488.	-3.600	0.000	1.000	1.000
40.04	0.000	0.000	Strato1_2_8_L_0									
20 D	8.345	-2.6257E-02	108.9	41.73	108.9	57.70	UL-RL	8488.	-3.800	0.000	1.000	1.000
41.73	0.000	0.000	Strato1_2_8_L_0									
21 D	8.831	-2.5911E-02	114.1	44.15	114.1	60.46	UL-RL	8488.	-4.000	0.000	1.000	1.000
44.15	0.000	0.000	Strato1_2_8_L_0									
22 D	9.172	-2.5561E-02	116.9	45.86	116.9	61.97	UL-RL	8488.	-4.200	0.000	1.000	1.000
45.86	0.000	0.000	Strato1_2_8_L_0									
23 D	9.647	-2.5207E-02	122.0	48.24	122.0	64.66	UL-RL	8488.	-4.400	0.000	1.000	1.000
48.24	0.000	0.000	Strato1_2_8_L_0									
24 D	9.976	-2.4846E-02	124.7	49.88	124.7	66.07	UL-RL	8488.	-4.600	0.000	1.000	1.000
49.88	0.000	0.000	Strato1_2_8_L_0									
25 D	10.44	-2.4479E-02	129.6	52.21	129.6	68.70	UL-RL	8488.	-4.800	0.000	1.000	1.000
52.21	0.000	0.000	Strato1_2_8_L_0									
26 D	10.79	-2.4104E-02	132.6	53.93	132.6	70.28	UL-RL	8488.	-5.000	0.000	1.000	1.000
53.93	0.000	0.000	Strato1_2_8_L_0									
27 D	11.24	-2.3721E-02	137.5	56.20	137.5	72.85	UL-RL	8488.	-5.200	0.000	1.000	1.000
56.20	0.000	0.000	Strato1_2_8_L_0									
28 D	11.58	-2.3328E-02	140.5	57.91	140.5	74.46	UL-RL	8488.	-5.400	0.000	1.000	1.000
57.91	0.000	0.000	Strato1_2_8_L_0									
29 D	12.03	-2.2926E-02	145.3	60.14	145.3	76.99	UL-RL	8488.	-5.600	0.000	1.000	1.000
60.14	0.000	0.000	Strato1_2_8_L_0									
30 D	12.36	-2.2513E-02	148.3	61.82	148.3	78.62	UL-RL	8488.	-5.800	0.000	1.000	1.000
61.82	0.000	0.000	Strato1_2_8_L_0									
31 D	12.79	-2.2091E-02	152.9	63.93	152.9	81.02	UL-RL	8488.	-6.000	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
32 D	13.12	-2.1658E-02	156.0	65.59	156.0	82.67	UL-RL	8488.	-6.200	0.000	1.000	1.000
65.59	0.000	0.000	Strato1_2_8_L_0									
33 D	13.54	-2.1214E-02	160.6	67.68	160.6	85.14	UL-RL	8488.	-6.400	0.000	1.000	1.000
67.68	0.000	0.000	Strato1_2_8_L_0									
34 D	13.86	-2.0759E-02	163.8	69.29	163.8	86.81	UL-RL	8488.	-6.600	0.000	1.000	1.000
69.29	0.000	0.000	Strato1_2_8_L_0									
35 D	14.26	-2.0294E-02	168.4	71.30	168.4	89.25	UL-RL	8488.	-6.800	0.000	1.000	1.000
71.30	0.000	0.000	Strato1_2_8_L_0									
36 D	14.57	-1.9819E-02	171.6	72.84	171.6	90.94	UL-RL	8488.	-7.000	0.000	1.000	1.000
72.84	0.000	0.000	Strato1_2_8_L_0									
37 D	14.95	-1.9335E-02	176.1	74.75	176.1	93.35	UL-RL	8488.	-7.200	0.000	1.000	1.000
74.75	0.000	0.000	Strato1_2_8_L_0									
38 D	15.24	-1.8841E-02	179.3	76.21	179.3	95.05	UL-RL	8488.	-7.400	0.000	1.000	1.000
76.21	0.000	0.000	Strato1_2_8_L_0									
39 D	15.59	-1.8339E-02	183.7	77.96	183.7	97.36	UL-RL	8488.	-7.600	0.000	1.000	1.000
77.96	0.000	0.000	Strato1_2_8_L_0									
40 D	15.86	-1.7830E-02	186.9	79.32	186.9	99.08	UL-RL	8488.	-7.800	0.000	1.000	1.000
79.32	0.000	0.000	Strato1_2_8_L_0									
41 D	16.20	-1.7314E-02	191.4	80.98	191.4	101.5	UL-RL	8488.	-8.000	0.000	1.000	1.000
80.98	0.000	0.000	Strato1_2_8_L_0									
42 D	16.44	-1.6793E-02	194.7	82.20	194.7	103.2	UL-RL	8488.	-8.200	0.000	1.000	1.000
82.20	0.000	0.000	Strato1_2_8_L_0									
43 D	16.74	-1.6268E-02	199.1	83.70	199.1	105.5	UL-RL	8488.	-8.400	0.000	1.000	1.000
83.70	0.000	0.000	Strato1_2_8_L_0									
44 D	16.95	-1.5740E-02	202.4	84.76	202.4	107.3	UL-RL	8488.	-8.600	0.000	1.000	1.000
84.76	0.000	0.000	Strato1_2_8_L_0									
45 D	17.21	-1.5212E-02	206.8	86.07	206.8	109.6	UL-RL	8488.	-8.800	0.000	1.000	1.000
86.07	0.000	0.000	Strato1_2_8_L_0									
46 D	17.38	-1.4685E-02	210.0	86.91	210.0	111.3	UL-RL	8488.	-9.000	0.000	1.000	1.000
86.91	0.000	0.000	Strato1_2_8_L_0									
47 D	17.60	-1.4160E-02	214.4	88.00	214.4	113.6	UL-RL	8488.	-9.200	0.000	1.000	1.000
88.00	0.000	0.000	Strato1_2_8_L_0									

48	D	17.74	-1.3638E-02	217.7	88.68	217.7	115.4	UL-RL	8488.	-9.400	0.000	1.000	1.000	88.68	0.000	0.000	Strato1_2_8_L_0
49	D	17.92	-1.3119E-02	222.1	89.58	222.1	117.7	UL-RL	8488.	-9.600	0.000	1.000	1.000	89.58	0.000	0.000	Strato1_2_8_L_0
50	D	18.02	-1.2603E-02	225.4	90.09	225.4	119.5	UL-RL	8488.	-9.800	0.000	1.000	1.000	90.09	0.000	0.000	Strato1_2_8_L_0
51	D	18.17	-1.2091E-02	229.8	90.84	229.8	121.8	UL-RL	8488.	-10.00	0.000	1.000	1.000	90.84	0.000	0.000	Strato1_2_8_L_0
52	D	18.25	-1.1582E-02	233.1	91.23	233.1	123.6	UL-RL	8488.	-10.20	0.000	1.000	1.000	91.23	0.000	0.000	Strato1_2_8_L_0
53	D	18.37	-1.1077E-02	237.4	91.86	237.4	125.8	UL-RL	8488.	-10.40	0.000	1.000	1.000	91.86	0.000	0.000	Strato1_2_8_L_0
54	D	18.43	-1.0578E-02	240.7	92.13	240.7	127.6	UL-RL	8488.	-10.60	0.000	1.000	1.000	92.13	0.000	0.000	Strato1_2_8_L_0
55	D	18.54	-1.0085E-02	245.0	92.68	245.0	129.8	UL-RL	8488.	-10.80	0.000	1.000	1.000	92.68	0.000	0.000	Strato1_2_8_L_0
56	D	18.58	-9.5981E-03	248.4	92.92	248.4	131.6	UL-RL	8488.	-11.00	0.000	1.000	1.000	92.92	0.000	0.000	Strato1_2_8_L_0
57	D	18.68	-9.1193E-03	252.7	93.41	252.7	133.9	UL-RL	8488.	-11.20	0.000	1.000	1.000	93.41	0.000	0.000	Strato1_2_8_L_0
58	D	18.72	-8.6489E-03	256.1	93.62	256.1	135.7	UL-RL	8488.	-11.40	0.000	1.000	1.000	93.62	0.000	0.000	Strato1_2_8_L_0
59	D	18.82	-8.1877E-03	260.3	94.08	260.3	138.0	UL-RL	8488.	-11.60	0.000	1.000	1.000	94.08	0.000	0.000	Strato1_2_8_L_0
60	D	18.86	-7.7366E-03	263.7	94.28	263.7	139.8	UL-RL	8488.	-11.80	0.000	1.000	1.000	94.28	0.000	0.000	Strato1_2_8_L_0
61	D	18.94	-7.2961E-03	267.9	94.69	267.9	142.0	UL-RL	8488.	-12.00	0.000	1.000	1.000	94.69	0.000	0.000	Strato1_2_8_L_0
62	D	18.98	-6.8668E-03	271.3	94.90	271.3	143.8	UL-RL	8488.	-12.20	0.000	1.000	1.000	94.90	0.000	0.000	Strato1_2_8_L_0
63	D	19.07	-6.4492E-03	275.5	95.35	275.5	146.0	UL-RL	8488.	-12.40	0.000	1.000	1.000	95.35	0.000	0.000	Strato1_2_8_L_0
64	D	19.11	-6.0439E-03	279.0	95.57	279.0	147.9	UL-RL	8488.	-12.60	0.000	1.000	1.000	95.57	0.000	0.000	Strato1_2_8_L_0
65	D	19.21	-5.6511E-03	283.2	96.04	283.2	150.1	UL-RL	8488.	-12.80	0.000	1.000	1.000	96.04	0.000	0.000	Strato1_2_8_L_0
66	D	19.84	-5.2712E-03	286.7	99.18	286.7	151.9	UL-RL	8488.	-13.00	0.000	1.000	1.000	99.18	0.000	0.000	Strato1_2_8_L_0
67	D	14.53	-4.9043E-03	291.0	72.65	291.0	145.5	UL-RL	2.4012E+04	-13.20	0.000	1.000	1.000	72.65	0.000	0.000	Strato2_3095_82743_L_0
68	D	14.27	-4.5507E-03	294.6	71.37	294.6	147.3	UL-RL	2.4012E+04	-13.40	0.000	1.000	1.000	71.37	0.000	0.000	Strato2_3095_82743_L_0
69	D	14.06	-4.2103E-03	298.9	70.30	298.9	149.5	UL-RL	2.4012E+04	-13.60	0.000	1.000	1.000	70.30	0.000	0.000	Strato2_3095_82743_L_0
70	D	13.83	-3.8832E-03	302.6	69.15	302.6	151.3	UL-RL	2.4012E+04	-13.80	0.000	1.000	1.000	69.15	0.000	0.000	Strato2_3095_82743_L_0
71	D	13.65	-3.5690E-03	307.0	68.23	307.0	153.5	UL-RL	2.4012E+04	-14.00	0.000	1.000	1.000	68.23	0.000	0.000	Strato2_3095_82743_L_0
72	D	13.44	-3.2677E-03	310.7	67.22	310.7	155.3	UL-RL	2.4012E+04	-14.20	0.000	1.000	1.000	67.22	0.000	0.000	Strato2_3095_82743_L_0
73	D	13.29	-2.9787E-03	315.0	66.43	315.0	157.5	UL-RL	2.4012E+04	-14.40	0.000	1.000	1.000	66.43	0.000	0.000	Strato2_3095_82743_L_0
74	D	14.84	-2.7016E-03	318.7	74.20	318.7	159.4	UL-RL	2.4012E+04	-14.60	0.000	1.000	1.000	74.20	0.000	0.000	Strato2_3095_82743_L_0
75	D	16.58	-2.4358E-03	323.1	82.89	323.1	161.5	UL-RL	2.4012E+04	-14.80	0.000	1.000	1.000	82.89	0.000	0.000	Strato2_3095_82743_L_0
76	D	18.19	-2.1805E-03	326.7	90.94	326.7	163.3	UL-RL	2.4012E+04	-15.00	0.000	1.000	1.000	90.94	0.000	0.000	Strato2_3095_82743_L_0
77	D	19.82	-1.9351E-03	331.0	99.09	331.0	165.5	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000	99.09	0.000	0.000	Strato2_3095_82743_L_0
78	D	21.34	-1.6987E-03	334.7	106.7	334.7	167.4	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000	106.7	0.000	0.000	Strato2_3095_82743_L_0
79	D	22.87	-1.4703E-03	339.1	114.4	339.1	169.5	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000	114.4	0.000	0.000	Strato2_3095_82743_L_0
80	D	24.31	-1.2493E-03	342.8	121.5	342.8	171.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	121.5	0.000	0.000	Strato2_3095_82743_L_0
81	D	25.77	-1.0345E-03	347.1	128.9	347.1	173.6	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	128.9	0.000	0.000	Strato2_3095_82743_L_0
82	D	27.21	-8.2520E-04	351.4	136.0	351.4	175.7	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	136.0	0.000	0.000	Strato2_3095_82743_L_0
83	D	28.56	-6.2046E-04	355.1	142.8	355.1	177.6	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	142.8	0.000	0.000	Strato2_3095_82743_L_0
84	D	29.94	-4.1946E-04	359.4	149.7	359.4	179.7	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	149.7	0.000	0.000	Strato2_3095_82743_L_0
85	D	31.25	-2.2141E-04	363.1	156.3	363.1	181.6	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	156.3	0.000	0.000	Strato2_3095_82743_L_0
86	D	32.62	-2.5615E-05	367.4	163.1	367.4	183.7	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	163.1	0.000	0.000	Strato2_3095_82743_L_0
87	D	33.91	1.6858E-04	371.1	169.6	371.1	185.6	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	169.6	0.000	0.000	Strato2_3095_82743_L_0
88	D	35.26	3.6171E-04	375.4	176.3	375.4	187.7	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	176.3	0.000	0.000	Strato2_3095_82743_L_0
89	D	36.01	5.5422E-04	379.2	180.1	379.2	190.9	UL-RL	2.4012E+04	-17.60	0.000	1.000	1.000	180.1	0.000	0.000	Strato2_3095_82743_L_0
90	D	36.58	7.4645E-04	383.5	182.9	383.5	195.0	UL-RL	2.4012E+04	-17.80	0.000	1.000	1.000			

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182.9       0.000       0.000     Strato2_3095_82743_L_0
  91 D   18.54      9.3859E-04   387.1       185.4       387.1       198.8          UL-RL  2.4012E+04  -18.00       0.000       1.000       1.000
185.4       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                   Exe Time :29 July 2019      18:00:07                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --       -0.2000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --       -0.4000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --       -0.6000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --       -0.8000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --       -5.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --       -5.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --          REMOVED     --       -5.400       0.000       1.000       1.000
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0.000 0.000 0.000 not available
29 0.000 -- -- -- -- -- REMOVED -- -5.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
30 0.000 -- -- -- -- -- REMOVED -- -5.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 D 0.1155 1.3119E-02 1.900 0.5776 182.4 100.6 ACTIVE 0.000 -9.600 0.000 1.000 1.000
0.5776 0.000 0.000 Strato1_2_8_L_0
50 D 1.438 1.2603E-02 5.700 7.188 186.2 102.4 UL-RL 6237. -9.800 0.000 1.000 1.000
7.188 0.000 0.000 Strato1_2_8_L_0
51 D 4.593 1.2091E-02 9.500 22.96 190.0 104.4 UL-RL 6237. -10.00 0.000 1.000 1.000
22.96 0.000 0.000 Strato1_2_8_L_0
52 D 7.756 1.1582E-02 13.30 38.78 193.8 106.3 UL-RL 6237. -10.20 0.000 1.000 1.000
38.78 0.000 0.000 Strato1_2_8_L_0
53 D 10.93 1.1077E-02 17.10 54.64 197.6 108.3 UL-RL 6237. -10.40 0.000 1.000 1.000
54.64 0.000 0.000 Strato1_2_8_L_0
54 D 14.11 1.0578E-02 20.90 70.53 201.4 110.2 UL-RL 6237. -10.60 0.000 1.000 1.000
70.53 0.000 0.000 Strato1_2_8_L_0
55 D 17.29 1.0085E-02 24.70 86.44 205.2 112.2 UL-RL 6237. -10.80 0.000 1.000 1.000
86.44 0.000 0.000 Strato1_2_8_L_0
56 D 20.47 9.5981E-03 28.50 102.4 209.0 115.2 UL-RL 6237. -11.00 0.000 1.000 1.000
102.4 0.000 0.000 Strato1_2_8_L_0
57 D 23.66 9.1193E-03 32.30 118.3 212.8 130.5 UL-RL 6237. -11.20 0.000 1.000 1.000
118.3 0.000 0.000 Strato1_2_8_L_0
58 D 25.45 8.6489E-03 36.10 127.3 216.6 138.8 UL-RL 6237. -11.40 0.000 1.000 1.000
127.3 0.000 0.000 Strato1_2_8_L_0
59 D 25.73 8.1877E-03 39.90 128.7 220.4 139.6 UL-RL 6237. -11.60 0.000 1.000 1.000
128.7 0.000 0.000 Strato1_2_8_L_0
60 D 26.02 7.7366E-03 43.70 130.1 224.2 140.5 UL-RL 6237. -11.80 0.000 1.000 1.000
130.1 0.000 0.000 Strato1_2_8_L_0
61 D 26.31 7.2961E-03 47.50 131.6 228.0 141.3 UL-RL 6237. -12.00 0.000 1.000 1.000
131.6 0.000 0.000 Strato1_2_8_L_0
62 D 26.61 6.8668E-03 51.30 133.0 231.8 142.2 UL-RL 6237. -12.20 0.000 1.000 1.000
133.0 0.000 0.000 Strato1_2_8_L_0
63 D 26.91 6.4492E-03 55.10 134.6 235.6 143.1 UL-RL 6237. -12.40 0.000 1.000 1.000
134.6 0.000 0.000 Strato1_2_8_L_0
64 D 27.22 6.0439E-03 58.90 136.1 239.4 144.0 UL-RL 6237. -12.60 0.000 1.000 1.000
136.1 0.000 0.000 Strato1_2_8_L_0
65 D 27.53 5.6511E-03 62.70 137.6 243.2 144.9 UL-RL 6237. -12.80 0.000 1.000 1.000
137.6 0.000 0.000 Strato1_2_8_L_0
66 D 27.84 5.2712E-03 66.50 139.2 247.0 145.9 UL-RL 6237. -13.00 0.000 1.000 1.000
139.2 0.000 0.000 Strato1_2_8_L_0
67 D 24.64 4.9043E-03 70.40 123.2 250.9 136.8 UL-RL 1.3780E+04 -13.20 0.000 1.000 1.000
123.2 0.000 0.000 Strato2_3095_82743_L_0
68 D 24.89 4.5507E-03 74.40 124.5 254.9 136.8 UL-RL 1.3780E+04 -13.40 0.000 1.000 1.000
124.5 0.000 0.000 Strato2_3095_82743_L_0
69 D 25.15 4.2103E-03 78.40 125.8 258.9 136.9 UL-RL 1.3780E+04 -13.60 0.000 1.000 1.000
125.8 0.000 0.000 Strato2_3095_82743_L_0
70 D 25.42 3.8832E-03 82.40 127.1 262.9 137.1 UL-RL 1.3780E+04 -13.80 0.000 1.000 1.000
127.1 0.000 0.000 Strato2_3095_82743_L_0

71 D	25.50	3.5690E-03	86.40	127.5	266.9	137.8	UL-RL	1.3780E+04	-14.00	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.18	3.2677E-03	90.40	125.9	270.9	139.6	UL-RL	1.3780E+04	-14.20	0.000	1.000	1.000
125.9	0.000	0.000	Strato2_3095_82743_L_0									
73 D	24.89	2.9787E-03	94.40	124.4	274.9	141.5	UL-RL	1.3780E+04	-14.40	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	24.62	2.7016E-03	98.40	123.1	278.9	143.3	UL-RL	1.3780E+04	-14.60	0.000	1.000	1.000
123.1	0.000	0.000	Strato2_3095_82743_L_0									
75 D	24.38	2.4358E-03	102.4	121.9	282.9	145.2	UL-RL	1.3780E+04	-14.80	0.000	1.000	1.000
121.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	24.17	2.1805E-03	106.4	120.9	286.9	147.0	UL-RL	1.3780E+04	-15.00	0.000	1.000	1.000
120.9	0.000	0.000	Strato2_3095_82743_L_0									
77 D	23.98	1.9351E-03	110.4	119.9	290.9	148.9	UL-RL	1.3780E+04	-15.20	0.000	1.000	1.000
119.9	0.000	0.000	Strato2_3095_82743_L_0									
78 D	23.82	1.6987E-03	114.4	119.1	294.9	150.8	UL-RL	1.3780E+04	-15.40	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
79 D	23.67	1.4703E-03	118.4	118.3	298.9	152.7	UL-RL	1.3780E+04	-15.60	0.000	1.000	1.000
118.3	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.53	1.2493E-03	122.4	117.7	302.9	154.6	UL-RL	1.3780E+04	-15.80	0.000	1.000	1.000
117.7	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.42	1.0345E-03	126.4	117.1	306.9	156.5	UL-RL	1.3780E+04	-16.00	0.000	1.000	1.000
117.1	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.31	8.2520E-04	130.4	116.6	310.9	158.5	UL-RL	1.3780E+04	-16.20	0.000	1.000	1.000
116.6	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.22	6.2046E-04	134.4	116.1	314.9	160.4	UL-RL	1.3780E+04	-16.40	0.000	1.000	1.000
116.1	0.000	0.000	Strato2_3095_82743_L_0									
84 D	23.13	4.1946E-04	138.4	115.7	318.9	162.3	UL-RL	1.3780E+04	-16.60	0.000	1.000	1.000
115.7	0.000	0.000	Strato2_3095_82743_L_0									
85 D	23.05	2.2141E-04	142.4	115.2	322.9	164.2	UL-RL	1.3780E+04	-16.80	0.000	1.000	1.000
115.2	0.000	0.000	Strato2_3095_82743_L_0									
86 D	22.97	2.5615E-05	146.4	114.9	326.9	166.2	UL-RL	1.3780E+04	-17.00	0.000	1.000	1.000
114.9	0.000	0.000	Strato2_3095_82743_L_0									
87 D	22.90	-1.6858E-04	150.4	114.5	330.9	168.1	UL-RL	1.3780E+04	-17.20	0.000	1.000	1.000
114.5	0.000	0.000	Strato2_3095_82743_L_0									
88 D	22.83	-3.6171E-04	154.4	114.1	334.9	170.1	UL-RL	1.3780E+04	-17.40	0.000	1.000	1.000
114.1	0.000	0.000	Strato2_3095_82743_L_0									
89 D	22.76	-5.5422E-04	158.4	113.8	338.9	172.0	UL-RL	1.3780E+04	-17.60	0.000	1.000	1.000
113.8	0.000	0.000	Strato2_3095_82743_L_0									
90 D	22.68	-7.4645E-04	162.4	113.4	342.9	173.9	UL-RL	1.3780E+04	-17.80	0.000	1.000	1.000
113.4	0.000	0.000	Strato2_3095_82743_L_0									
91 D	11.31	-9.3859E-04	166.4	113.1	346.9	175.9	UL-RL	1.3780E+04	-18.00	0.000	1.000	1.000
113.1	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:00:07                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 0.30400    -0.30400    -3.97074E-10 6.08000E-02
    2 0.96154    -0.96154    -6.08000E-02 0.25311
    3  2.8715     -2.8715    -0.25311     0.82740
    4  4.8761     -4.8761    -0.82740      1.8026
    5  7.6275     -7.6275     -1.8026      3.3281
    6  10.469     -10.469     -3.3281      5.4219
    7  13.865     -13.865     -5.4219      8.1948
    8  17.367     -17.367     -8.1948      11.668
    9  21.292     -21.292     -11.668      15.927
   10  25.362     -25.362     -15.927      20.999
   11  30.019     -30.019     -20.999      27.003
   12  34.984     -34.984     -27.003      34.000
   13  40.501     -40.501     -34.000      42.100
   14  46.335     -46.335     -42.100      51.367
   15  52.697     -52.697     -51.367      61.906
   16 -157.40      157.40     -61.906      30.426
   17 -150.22      150.22     -30.426     0.38166
   18 -142.71      142.71    -0.38166     -28.161
   19 -134.71      134.71      28.161     -55.102
   20 -126.36      126.36      55.102     -80.374
```

21	-117.53	117.53	80.374	-103.88
22	-108.36	108.36	103.88	-125.55
23	-98.710	98.710	125.55	-145.29
24	-88.735	88.735	145.29	-163.04
25	-78.293	78.293	163.04	-178.70
26	-67.508	67.508	178.70	-192.20
27	-56.267	56.267	192.20	-203.45
28	-44.685	44.685	203.45	-212.39
29	-32.658	32.658	212.39	-218.92
30	-20.293	20.293	218.92	-222.98
31	-7.5069	7.5069	222.98	-224.48
32	5.6104	-5.6104	224.48	-223.36
33	19.146	-19.146	223.36	-219.53
34	33.004	-33.004	219.53	-212.93
35	47.264	-47.264	212.93	-203.48
36	61.832	-61.832	203.48	-191.11
37	76.783	-76.783	191.11	-175.75
38	92.026	-92.026	175.75	-157.35
39	107.62	-107.62	157.35	-135.83
40	123.48	-123.48	135.83	-111.13
41	139.68	-139.68	111.13	-83.193
42	156.12	-156.12	83.193	-51.970
43	172.86	-172.86	51.970	-17.398
44	189.81	-189.81	17.398	20.564
45	207.03	-207.03	-20.564	61.970
46	-17.075	17.075	-61.970	58.555
47	0.52592	-0.52592	-58.555	58.660
48	18.262	-18.262	-58.660	62.312
49	36.062	-36.062	-62.312	69.525
50	52.643	-52.643	-69.525	80.054
51	66.219	-66.219	-80.054	93.297
52	76.709	-76.709	-93.297	108.64
53	84.154	-84.154	-108.64	125.47
54	88.476	-88.476	-125.47	143.17
55	89.724	-89.724	-143.17	161.11
56	87.835	-87.835	-161.11	178.68
57	82.853	-82.853	-178.68	195.25
58	76.127	-76.127	-195.25	210.47
59	69.211	-69.211	-210.47	224.32
60	62.047	-62.047	-224.32	236.72
61	54.675	-54.675	-236.72	247.66
62	47.046	-47.046	-247.66	257.07
63	39.204	-39.204	-257.07	264.91
64	31.101	-31.101	-264.91	271.13
65	22.780	-22.780	-271.13	275.69
66	14.772	-14.772	-275.69	278.64
67	4.6590	-4.6590	-278.64	279.57
68	-5.9621	5.9621	-279.57	278.38
69	-17.056	17.056	-278.38	274.97
70	-28.646	28.646	-274.97	269.24
71	-40.503	40.503	-269.24	261.14
72	-52.240	52.240	-261.14	250.69
73	-63.840	63.840	-250.69	237.92
74	-73.623	73.623	-237.92	223.20
75	-81.428	81.428	-223.20	206.91
76	-87.411	87.411	-206.91	189.43
77	-91.576	91.576	-189.43	171.12
78	-94.056	94.056	-171.12	152.30
79	-94.850	94.850	-152.30	133.33
80	-94.076	94.076	-133.33	114.52
81	-91.720	91.720	-114.52	96.175
82	-87.826	87.826	-96.175	78.610
83	-82.486	82.486	-78.610	62.113
84	-75.677	75.677	-62.113	46.977
85	-67.473	67.473	-46.977	33.482
86	-57.830	57.830	-33.482	21.916
87	-46.819	46.819	-21.916	12.552
88	-34.390	34.390	-12.552	5.6741
89	-21.133	21.133	-5.6741	1.4475
90	-7.2374	7.2374	-1.4475	-3.33844E-13

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:00:07                                             |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4
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Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------
ANCHOR    1   224.41     -1.08357E-03  2.00579E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      18:00:07                                              |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------
ANCHOR    1   250.00     -2.62486E-03 -2.62486E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 9331.     REMNOR=0.1960E-17 RATIO =0.8647E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.8647E-01 RATIOR= 0.000
           MAX UN= 27.84     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.7246E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 778.8     REMNOR=0.1727E-17 RATIO =0.2498E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.2498E-01 RATIOR= 0.000
           MAX UN= 13.70     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.5833E-08 IEQ=    79 NODE     40 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM= 59.81     REMNOR=0.2949E-17 RATIO =0.6923E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.6923E-02 RATIOR= 0.000
           MAX UN= 3.825     IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.7588E-08 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM=0.8368     REMNOR=0.2489E-17 RATIO =0.8188E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 279.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1248E+07 RDR   =0.4397E+07
           RATIOT=0.8188E-03 RATIOR= 0.000
           MAX UN=0.5908     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.5558E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1248E+07 RIMNOR=0.4397E+07
           RENORM=0.4682E-02 REMNOR=0.2840E-17 RATIO =0.6125E-04 TOLER =0.1000E-03      CONVERGED !
```

```
          RFMAX = 241.5     RMMAX = 279.6
          RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
          RDT   =0.1248E+07 RDR   =0.4397E+07
          RATIOT=0.6125E-04 RATIOR= 0.000
          MAX UN=0.6843E-01 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
          MIN UN=-.5401E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
|                                                                                                                             |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                           |
|                                  Exe Time :29 July 2019      18:00:07                                                       |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.1539591E-02  -1.2277752E-03
    2   3.1294039E-02  -1.2277399E-03
    3   3.1048505E-02  -1.2275663E-03
    4   3.0803032E-02  -1.2270945E-03
    5   3.0557699E-02  -1.2261413E-03
    6   3.0312621E-02  -1.2245125E-03
    7   3.0067953E-02  -1.2220030E-03
    8   2.9823892E-02  -1.2184014E-03
    9   2.9580679E-02  -1.2134898E-03
   10   2.9338598E-02  -1.2070466E-03
   11   2.9097978E-02  -1.1988456E-03
   12   2.8859193E-02  -1.1886529E-03
   13   2.8622666E-02  -1.1762219E-03
   14   2.8388870E-02  -1.1612955E-03
   15   2.8158332E-02  -1.1436048E-03
   16   2.7931631E-02  -1.1228705E-03
   17   2.7709061E-02  -1.1039759E-03
   18   2.7489594E-02  -1.0917943E-03
   19   2.7271917E-02  -1.0860165E-03
   20   2.7054781E-02  -1.0863232E-03
   21   2.6837004E-02  -1.0923855E-03
   22   2.6617466E-02  -1.1038650E-03
   23   2.6395120E-02  -1.1204143E-03
   24   2.6168987E-02  -1.1416770E-03
   25   2.5938160E-02  -1.1672885E-03
   26   2.5701807E-02  -1.1968764E-03
   27   2.5459170E-02  -1.2300597E-03
   28   2.5209569E-02  -1.2664500E-03
   29   2.4952404E-02  -1.3056477E-03
   30   2.4687152E-02  -1.3472406E-03
   31   2.4413376E-02  -1.3908046E-03
   32   2.4130727E-02  -1.4359052E-03
   33   2.3838942E-02  -1.4820963E-03
   34   2.3537846E-02  -1.5289212E-03
   35   2.3227364E-02  -1.5759111E-03
   36   2.2907504E-02  -1.6225871E-03
   37   2.2578382E-02  -1.6684584E-03
   38   2.2240208E-02  -1.7130229E-03
   39   2.1893295E-02  -1.7557676E-03
   40   2.1538059E-02  -1.7961683E-03
   41   2.1175021E-02  -1.8336905E-03
   42   2.0804811E-02  -1.8677877E-03
   43   2.0428171E-02  -1.8979026E-03
   44   2.0045954E-02  -1.9234670E-03
   45   1.9659129E-02  -1.9439009E-03
   46   1.9268767E-02  -1.9586144E-03
   47   1.8875670E-02  -1.9733794E-03
   48   1.8479028E-02  -1.9939585E-03
   49   1.8077742E-02  -2.0197278E-03
   50   1.7670835E-02  -2.0500529E-03
   51   1.7257460E-02  -2.0842875E-03
   52   1.6836901E-02  -2.1217750E-03
   53   1.6408576E-02  -2.1618469E-03
   54   1.5972035E-02  -2.2038240E-03
   55   1.5526965E-02  -2.2470163E-03
   56   1.5073194E-02  -2.2907227E-03
   57   1.4610689E-02  -2.3342311E-03
   58   1.4139563E-02  -2.3768182E-03
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59	1.3660073E-02	-2.4177497E-03
60	1.3172623E-02	-2.4562803E-03
61	1.2677771E-02	-2.4916534E-03
62	1.2176224E-02	-2.5231018E-03
63	1.1668844E-02	-2.5498471E-03
64	1.1156651E-02	-2.5711000E-03
65	1.0640823E-02	-2.5860600E-03
66	1.0122701E-02	-2.5939157E-03
67	9.6037855E-03	-2.5938445E-03
68	9.0856998E-03	-2.5857164E-03
69	8.5699911E-03	-2.5702064E-03
70	8.0580511E-03	-2.5481894E-03
71	7.5510849E-03	-2.5206278E-03
72	7.0501061E-03	-2.4884736E-03
73	6.5559635E-03	-2.4526688E-03
74	6.0692452E-03	-2.4141368E-03
75	5.5904296E-03	-2.3737932E-03
76	5.1197887E-03	-2.3325380E-03
77	4.6574161E-03	-2.2912574E-03
78	4.2032293E-03	-2.2508238E-03
79	3.7569740E-03	-2.2120786E-03
80	3.3182328E-03	-2.1758090E-03
81	2.8864402E-03	-2.1426927E-03
82	2.4609113E-03	-2.1132430E-03
83	2.0408755E-03	-2.0878057E-03
84	1.6255094E-03	-2.0665625E-03
85	1.2139492E-03	-2.0495314E-03
86	8.0540483E-04	-2.0365718E-03
87	3.9906925E-04	-2.0273800E-03
88	-5.7675201E-06	-2.0214934E-03
89	-4.0970699E-04	-2.0182900E-03
90	-8.1321119E-04	-2.0170016E-03
91	-1.2165755E-03	-2.0167318E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                          |
|                                 NewProject.BaseDesignSection_28.SLERara_3454                             |
|                              Exe Time :29 July 2019      18:00:07                                        |
+----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.490	-3.1540E-02	10.00	14.90	10.00	16.00	UL-RL	8488.	0.000	0.000	1.000	1.000	14.90	0.000	0.000	Strato1_2_8_L_0
2 D	2.840	-3.1294E-02	10.81	14.20	10.81	16.18	UL-RL	8488.	-0.2000	0.000	1.000	1.000	14.20	0.000	0.000	Strato1_2_8_L_0
3 D	3.904	-3.1049E-02	31.41	19.52	31.41	25.36	UL-RL	8488.	-0.4000	0.000	1.000	1.000	19.52	0.000	0.000	Strato1_2_8_L_0
4 D	3.810	-3.0803E-02	32.97	19.05	32.97	25.88	UL-RL	8488.	-0.6000	0.000	1.000	1.000	19.05	0.000	0.000	Strato1_2_8_L_0
5 D	4.368	-3.0558E-02	45.25	21.84	45.25	31.27	UL-RL	8488.	-0.8000	0.000	1.000	1.000	21.84	0.000	0.000	Strato1_2_8_L_0
6 D	4.269	-3.0313E-02	46.73	21.35	46.73	31.75	UL-RL	8488.	-1.000	0.000	1.000	1.000	21.35	0.000	0.000	Strato1_2_8_L_0
7 D	4.635	-3.0068E-02	55.86	23.17	55.86	35.71	UL-RL	8488.	-1.200	0.000	1.000	1.000	23.17	0.000	0.000	Strato1_2_8_L_0
8 D	4.550	-2.9824E-02	57.60	22.75	57.60	36.30	UL-RL	8488.	-1.400	0.000	1.000	1.000	22.75	0.000	0.000	Strato1_2_8_L_0
9 D	4.783	-2.9581E-02	64.56	23.91	64.56	39.26	UL-RL	8488.	-1.600	0.000	1.000	1.000	23.91	0.000	0.000	Strato1_2_8_L_0
10 D	4.736	-2.9339E-02	66.63	23.68	66.63	39.99	UL-RL	8488.	-1.800	0.000	1.000	1.000	23.68	0.000	0.000	Strato1_2_8_L_0
11 D	5.130	-2.9098E-02	73.46	25.65	73.46	42.88	UL-RL	8488.	-2.000	0.000	1.000	1.000	25.65	0.000	0.000	Strato1_2_8_L_0
12 D	5.244	-2.8859E-02	75.72	26.22	75.72	43.68	UL-RL	8488.	-2.200	0.000	1.000	1.000	26.22	0.000	0.000	Strato1_2_8_L_0
13 D	5.599	-2.8623E-02	81.98	28.00	81.98	46.28	UL-RL	8488.	-2.400	0.000	1.000	1.000				

28.00	0.000	0.000	Strato1_2_8_L_0									
14 D	5.719	-2.8389E-02	84.40	28.60	84.40	47.12	UL-RL	8488.	-2.600	0.000	1.000	1.000
28.60	0.000	0.000	Strato1_2_8_L_0									
15 D	6.047	-2.8158E-02	90.27	30.23	90.27	49.51	UL-RL	8488.	-2.800	0.000	1.000	1.000
30.23	0.000	0.000	Strato1_2_8_L_0									
16 D	6.147	-2.7932E-02	92.44	30.74	92.44	50.19	UL-RL	8488.	-3.000	0.000	1.000	1.000
30.74	0.000	0.000	Strato1_2_8_L_0									
17 D	6.454	-2.7709E-02	98.05	32.27	98.05	52.41	UL-RL	8488.	-3.200	0.000	1.000	1.000
32.27	0.000	0.000	Strato1_2_8_L_0									
18 D	6.580	-2.7490E-02	100.7	32.90	100.7	53.39	UL-RL	8488.	-3.400	0.000	1.000	1.000
32.90	0.000	0.000	Strato1_2_8_L_0									
19 D	6.866	-2.7272E-02	106.1	34.33	106.1	56.24	UL-RL	8488.	-3.600	0.000	1.000	1.000
34.33	0.000	0.000	Strato1_2_8_L_0									
20 D	6.990	-2.7055E-02	108.9	34.95	108.9	57.70	UL-RL	8488.	-3.800	0.000	1.000	1.000
34.95	0.000	0.000	Strato1_2_8_L_0									
21 D	7.258	-2.6837E-02	114.1	36.29	114.1	60.46	UL-RL	8488.	-4.000	0.000	1.000	1.000
36.29	0.000	0.000	Strato1_2_8_L_0									
22 D	7.379	-2.6617E-02	116.9	36.90	116.9	61.97	UL-RL	8488.	-4.200	0.000	1.000	1.000
36.90	0.000	0.000	Strato1_2_8_L_0									
23 D	7.630	-2.6395E-02	122.0	38.15	122.0	64.66	UL-RL	8488.	-4.400	0.000	1.000	1.000
38.15	0.000	0.000	Strato1_2_8_L_0									
24 D	7.730	-2.6169E-02	124.7	38.65	124.7	66.07	UL-RL	8488.	-4.600	0.000	1.000	1.000
38.65	0.000	0.000	Strato1_2_8_L_0									
25 D	7.964	-2.5938E-02	129.6	39.82	129.6	68.70	UL-RL	8488.	-4.800	0.000	1.000	1.000
39.82	0.000	0.000	Strato1_2_8_L_0									
26 D	8.073	-2.5702E-02	132.6	40.36	132.6	70.28	UL-RL	8488.	-5.000	0.000	1.000	1.000
40.36	0.000	0.000	Strato1_2_8_L_0									
27 D	8.358	-2.5459E-02	137.5	41.79	137.5	72.85	ACTIVE	0.000	-5.200	0.000	1.000	1.000
41.79	0.000	0.000	Strato1_2_8_L_0									
28 D	8.542	-2.5210E-02	140.5	42.71	140.5	74.46	ACTIVE	0.000	-5.400	0.000	1.000	1.000
42.71	0.000	0.000	Strato1_2_8_L_0									
29 D	8.832	-2.4952E-02	145.3	44.16	145.3	76.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.16	0.000	0.000	Strato1_2_8_L_0									
30 D	9.019	-2.4687E-02	148.3	45.10	148.3	78.62	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.10	0.000	0.000	Strato1_2_8_L_0									
31 D	9.294	-2.4413E-02	152.9	46.47	152.9	81.02	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.47	0.000	0.000	Strato1_2_8_L_0									
32 D	9.484	-2.4131E-02	156.0	47.42	156.0	82.67	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.42	0.000	0.000	Strato1_2_8_L_0									
33 D	9.767	-2.3839E-02	160.6	48.83	160.6	85.14	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.83	0.000	0.000	Strato1_2_8_L_0									
34 D	9.959	-2.3538E-02	163.8	49.79	163.8	86.81	ACTIVE	0.000	-6.600	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
35 D	10.24	-2.3227E-02	168.4	51.19	168.4	89.25	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.19	0.000	0.000	Strato1_2_8_L_0									
36 D	10.43	-2.2908E-02	171.6	52.16	171.6	90.94	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.16	0.000	0.000	Strato1_2_8_L_0									
37 D	10.71	-2.2578E-02	176.1	53.54	176.1	93.35	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.54	0.000	0.000	Strato1_2_8_L_0									
38 D	10.90	-2.2240E-02	179.3	54.52	179.3	95.05	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.52	0.000	0.000	Strato1_2_8_L_0									
39 D	11.17	-2.1893E-02	183.7	55.84	183.7	97.36	ACTIVE	0.000	-7.600	0.000	1.000	1.000
55.84	0.000	0.000	Strato1_2_8_L_0									
40 D	11.37	-2.1538E-02	186.9	56.83	186.9	99.08	ACTIVE	0.000	-7.800	0.000	1.000	1.000
56.83	0.000	0.000	Strato1_2_8_L_0									
41 D	11.64	-2.1175E-02	191.4	58.19	191.4	101.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.19	0.000	0.000	Strato1_2_8_L_0									
42 D	11.84	-2.0805E-02	194.7	59.18	194.7	103.2	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.18	0.000	0.000	Strato1_2_8_L_0									
43 D	12.11	-2.0428E-02	199.1	60.53	199.1	105.5	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.53	0.000	0.000	Strato1_2_8_L_0									
44 D	12.31	-2.0046E-02	202.4	61.53	202.4	107.3	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.53	0.000	0.000	Strato1_2_8_L_0									
45 D	12.57	-1.9659E-02	206.8	62.87	206.8	109.6	ACTIVE	0.000	-8.800	0.000	1.000	1.000
62.87	0.000	0.000	Strato1_2_8_L_0									
46 D	12.77	-1.9269E-02	210.0	63.84	210.0	111.3	ACTIVE	0.000	-9.000	0.000	1.000	1.000
63.84	0.000	0.000	Strato1_2_8_L_0									
47 D	13.03	-1.8876E-02	214.4	65.17	214.4	113.6	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.17	0.000	0.000	Strato1_2_8_L_0									
48 D	13.24	-1.8479E-02	217.7	66.19	217.7	115.4	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.19	0.000	0.000	Strato1_2_8_L_0									
49 D	13.50	-1.8078E-02	222.1	67.51	222.1	117.7	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.51	0.000	0.000	Strato1_2_8_L_0									
50 D	13.71	-1.7671E-02	225.4	68.53	225.4	119.5	ACTIVE	0.000	-9.800	0.000	1.000	1.000
68.53	0.000	0.000	Strato1_2_8_L_0									
51 D	13.97	-1.7257E-02	229.8	69.85	229.8	121.8	ACTIVE	0.000	-10.00	0.000	1.000	1.000
69.85	0.000	0.000	Strato1_2_8_L_0									
52 D	14.17	-1.6837E-02	233.1	70.87	233.1	123.6	ACTIVE	0.000	-10.20	0.000	1.000	1.000
70.87	0.000	0.000	Strato1_2_8_L_0									
53 D	14.44	-1.6409E-02	237.4	72.18	237.4	125.8	ACTIVE	0.000	-10.40	0.000	1.000	1.000
72.18	0.000	0.000	Strato1_2_8_L_0									
54 D	14.63	-1.5972E-02	240.7	73.17	240.7	127.6	ACTIVE	0.000	-10.60	0.000	1.000	1.000
73.17	0.000	0.000	Strato1_2_8_L_0									
55 D	14.90	-1.5527E-02	245.0	74.48	245.0	129.8	ACTIVE	0.000	-10.80	0.000	1.000	1.000
74.48	0.000	0.000	Strato1_2_8_L_0									

56	D	15.10	-1.5073E-02	248.4	75.51	248.4	131.6	ACTIVE	0.000	-11.00	0.000	1.000	1.000	75.51	0.000	0.000	Strato1_2_8_L_0
57	D	15.36	-1.4611E-02	252.7	76.81	252.7	133.9	ACTIVE	0.000	-11.20	0.000	1.000	1.000	76.81	0.000	0.000	Strato1_2_8_L_0
58	D	15.57	-1.4140E-02	256.1	77.85	256.1	135.7	ACTIVE	0.000	-11.40	0.000	1.000	1.000	77.85	0.000	0.000	Strato1_2_8_L_0
59	D	15.83	-1.3660E-02	260.3	79.14	260.3	138.0	ACTIVE	0.000	-11.60	0.000	1.000	1.000	79.14	0.000	0.000	Strato1_2_8_L_0
60	D	16.04	-1.3173E-02	263.7	80.18	263.7	139.8	ACTIVE	0.000	-11.80	0.000	1.000	1.000	80.18	0.000	0.000	Strato1_2_8_L_0
61	D	16.29	-1.2678E-02	267.9	81.44	267.9	142.0	ACTIVE	0.000	-12.00	0.000	1.000	1.000	81.44	0.000	0.000	Strato1_2_8_L_0
62	D	16.50	-1.2176E-02	271.3	82.48	271.3	143.8	ACTIVE	0.000	-12.20	0.000	1.000	1.000	82.48	0.000	0.000	Strato1_2_8_L_0
63	D	16.75	-1.1669E-02	275.5	83.77	275.5	146.0	ACTIVE	0.000	-12.40	0.000	1.000	1.000	83.77	0.000	0.000	Strato1_2_8_L_0
64	D	16.96	-1.1157E-02	279.0	84.81	279.0	147.9	ACTIVE	0.000	-12.60	0.000	1.000	1.000	84.81	0.000	0.000	Strato1_2_8_L_0
65	D	17.22	-1.0641E-02	283.2	86.09	283.2	150.1	ACTIVE	0.000	-12.80	0.000	1.000	1.000	86.09	0.000	0.000	Strato1_2_8_L_0
66	D	17.43	-1.0123E-02	286.7	87.14	286.7	151.9	ACTIVE	0.000	-13.00	0.000	1.000	1.000	87.14	0.000	0.000	Strato1_2_8_L_0
67	D	9.797	-9.6038E-03	291.0	48.98	291.0	145.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000	48.98	0.000	0.000	Strato2_3095_82743_L_0
68	D	9.969	-9.0857E-03	294.6	49.84	294.6	147.3	ACTIVE	0.000	-13.40	0.000	1.000	1.000	49.84	0.000	0.000	Strato2_3095_82743_L_0
69	D	10.17	-8.5700E-03	298.9	50.86	298.9	149.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000	50.86	0.000	0.000	Strato2_3095_82743_L_0
70	D	10.34	-8.0581E-03	302.6	51.72	302.6	151.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000	51.72	0.000	0.000	Strato2_3095_82743_L_0
71	D	10.55	-7.5511E-03	307.0	52.75	307.0	153.5	ACTIVE	0.000	-14.00	0.000	1.000	1.000	52.75	0.000	0.000	Strato2_3095_82743_L_0
72	D	10.72	-7.0501E-03	310.7	53.61	310.7	155.3	ACTIVE	0.000	-14.20	0.000	1.000	1.000	53.61	0.000	0.000	Strato2_3095_82743_L_0
73	D	10.93	-6.5560E-03	315.0	54.64	315.0	157.5	ACTIVE	0.000	-14.40	0.000	1.000	1.000	54.64	0.000	0.000	Strato2_3095_82743_L_0
74	D	11.10	-6.0692E-03	318.7	55.50	318.7	159.4	ACTIVE	0.000	-14.60	0.000	1.000	1.000	55.50	0.000	0.000	Strato2_3095_82743_L_0
75	D	11.31	-5.5904E-03	323.1	56.53	323.1	161.5	ACTIVE	0.000	-14.80	0.000	1.000	1.000	56.53	0.000	0.000	Strato2_3095_82743_L_0
76	D	11.48	-5.1198E-03	326.7	57.38	326.7	163.3	ACTIVE	0.000	-15.00	0.000	1.000	1.000	57.38	0.000	0.000	Strato2_3095_82743_L_0
77	D	11.68	-4.6574E-03	331.0	58.40	331.0	165.5	ACTIVE	0.000	-15.20	0.000	1.000	1.000	58.40	0.000	0.000	Strato2_3095_82743_L_0
78	D	11.85	-4.2032E-03	334.7	59.27	334.7	167.4	ACTIVE	0.000	-15.40	0.000	1.000	1.000	59.27	0.000	0.000	Strato2_3095_82743_L_0
79	D	12.06	-3.7570E-03	339.1	60.29	339.1	169.5	ACTIVE	0.000	-15.60	0.000	1.000	1.000	60.29	0.000	0.000	Strato2_3095_82743_L_0
80	D	14.37	-3.3182E-03	342.8	71.86	342.8	171.4	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000	71.86	0.000	0.000	Strato2_3095_82743_L_0
81	D	16.88	-2.8864E-03	347.1	84.39	347.1	173.6	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000	84.39	0.000	0.000	Strato2_3095_82743_L_0
82	D	19.35	-2.4609E-03	351.4	96.76	351.4	175.7	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000	96.76	0.000	0.000	Strato2_3095_82743_L_0
83	D	21.74	-2.0409E-03	355.1	108.7	355.1	177.6	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000	108.7	0.000	0.000	Strato2_3095_82743_L_0
84	D	24.15	-1.6255E-03	359.4	120.7	359.4	179.7	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000	120.7	0.000	0.000	Strato2_3095_82743_L_0
85	D	26.49	-1.2139E-03	363.1	132.4	363.1	181.6	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000	132.4	0.000	0.000	Strato2_3095_82743_L_0
86	D	28.87	-8.0540E-04	367.4	144.4	367.4	183.7	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000	144.4	0.000	0.000	Strato2_3095_82743_L_0
87	D	31.19	-3.9907E-04	371.1	155.9	371.1	185.6	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000	155.9	0.000	0.000	Strato2_3095_82743_L_0
88	D	33.55	5.7675E-06	375.4	167.7	375.4	187.7	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000	167.7	0.000	0.000	Strato2_3095_82743_L_0
89	D	35.32	4.0971E-04	379.2	176.6	379.2	190.9	UL-RL	2.4012E+04	-17.60	0.000	1.000	1.000	176.6	0.000	0.000	Strato2_3095_82743_L_0
90	D	36.90	8.1321E-04	383.5	184.5	383.5	195.0	UL-RL	2.4012E+04	-17.80	0.000	1.000	1.000	184.5	0.000	0.000	Strato2_3095_82743_L_0
91	D	19.21	1.2166E-03	387.1	192.1	387.1	198.8	UL-RL	2.4012E+04	-18.00	0.000	1.000	1.000	192.1	0.000	0.000	Strato2_3095_82743_L_0

```
+----------------------------------------------------------------------------------------------------+
|               PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                    |
|                               NewProject.BaseDesignSection_28.SLERara_3454                         |
|                            Exe Time :29 July 2019       18:00:07                                   |
+----------------------------------------------------------------------------------------------------+
```
New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000				

0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 0.000 -- -- -- -- -- REMOVED -- -8.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
46 0.000 -- -- -- -- -- REMOVED -- -9.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
47 0.000 -- -- -- -- -- REMOVED -- -9.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
48 0.000 -- -- -- -- -- REMOVED -- -9.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
49 0.000 -- -- -- -- -- REMOVED -- -9.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
50 0.000 -- -- -- -- -- REMOVED -- -9.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
51 0.000 -- -- -- -- -- REMOVED -- -10.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
52 0.000 -- -- -- -- -- REMOVED -- -10.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
53 0.000 -- -- -- -- -- REMOVED -- -10.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
54 0.000 -- -- -- -- -- REMOVED -- -10.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
55 0.000 -- -- -- -- -- REMOVED -- -10.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
56 0.000 -- -- -- -- -- REMOVED -- -11.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
57 0.000 -- -- -- -- -- REMOVED -- -11.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
58 0.000 -- -- -- -- -- REMOVED -- -11.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
59 0.000 -- -- -- -- -- REMOVED -- -11.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
60 0.000 -- -- -- -- -- REMOVED -- -11.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
61 0.000 -- -- -- -- -- REMOVED -- -12.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
62 0.000 -- -- -- -- -- REMOVED -- -12.20 0.000 1.000 1.000
0.000 0.000 0.000 not available
63 0.000 -- -- -- -- -- REMOVED -- -12.40 0.000 1.000 1.000
0.000 0.000 0.000 not available
64 0.000 -- -- -- -- -- REMOVED -- -12.60 0.000 1.000 1.000
0.000 0.000 0.000 not available
65 0.000 -- -- -- -- -- REMOVED -- -12.80 0.000 1.000 1.000
0.000 0.000 0.000 not available
66 0.000 -- -- -- -- -- REMOVED -- -13.00 0.000 1.000 1.000
0.000 0.000 0.000 not available
67 D 21.75 9.6038E-03 2.000 108.7 250.9 136.8 PASSIVE 0.000 -13.20 0.000 1.000 1.000
108.7 0.000 0.000 Strato2_3095_82743_L_0
68 D 26.45 9.0857E-03 6.000 132.3 254.9 136.8 PASSIVE 0.000 -13.40 0.000 1.000 1.000
132.3 0.000 0.000 Strato2_3095_82743_L_0
69 D 30.54 8.5700E-03 10.00 152.7 258.9 152.7 V-C 7968. -13.60 0.000 1.000 1.000
152.7 0.000 0.000 Strato2_3095_82743_L_0
70 D 30.52 8.0581E-03 14.00 152.6 262.9 152.6 V-C 7968. -13.80 0.000 1.000 1.000
152.6 0.000 0.000 Strato2_3095_82743_L_0
71 D 30.47 7.5511E-03 18.00 152.4 266.9 152.4 V-C 7968. -14.00 0.000 1.000 1.000
152.4 0.000 0.000 Strato2_3095_82743_L_0
72 D 30.40 7.0501E-03 22.00 152.0 270.9 152.0 V-C 7968. -14.20 0.000 1.000 1.000
152.0 0.000 0.000 Strato2_3095_82743_L_0
73 D 30.31 6.5560E-03 26.00 151.5 274.9 151.5 V-C 7968. -14.40 0.000 1.000 1.000
151.5 0.000 0.000 Strato2_3095_82743_L_0
74 D 30.21 6.0692E-03 30.00 151.1 278.9 151.1 V-C 7968. -14.60 0.000 1.000 1.000
151.1 0.000 0.000 Strato2_3095_82743_L_0
75 D 30.11 5.5904E-03 34.00 150.5 282.9 150.5 V-C 7968. -14.80 0.000 1.000 1.000
150.5 0.000 0.000 Strato2_3095_82743_L_0
76 D 30.00 5.1198E-03 38.00 150.0 286.9 150.0 V-C 7968. -15.00 0.000 1.000 1.000
150.0 0.000 0.000 Strato2_3095_82743_L_0
77 D 29.90 4.6574E-03 42.00 149.5 290.9 149.5 V-C 7968. -15.20 0.000 1.000 1.000
149.5 0.000 0.000 Strato2_3095_82743_L_0
78 D 29.07 4.2032E-03 46.00 145.3 294.9 150.8 UL-RL 2.3904E+04 -15.40 0.000 1.000 1.000
145.3 0.000 0.000 Strato2_3095_82743_L_0

79 D	28.01	3.7570E-03	50.00	140.1	298.9	152.7	UL-RL	2.3904E+04	-15.60	0.000	1.000	1.000
140.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	26.96	3.3182E-03	54.00	134.8	302.9	154.6	UL-RL	2.3904E+04	-15.80	0.000	1.000	1.000
134.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	25.92	2.8864E-03	58.00	129.6	306.9	156.5	UL-RL	2.3904E+04	-16.00	0.000	1.000	1.000
129.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	24.88	2.4609E-03	62.00	124.4	310.9	158.5	UL-RL	2.3904E+04	-16.20	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	23.85	2.0409E-03	66.00	119.3	314.9	160.4	UL-RL	2.3904E+04	-16.40	0.000	1.000	1.000
119.3	0.000	0.000	Strato2_3095_82743_L_0									
84 D	22.83	1.6255E-03	70.00	114.1	318.9	162.3	UL-RL	2.3904E+04	-16.60	0.000	1.000	1.000
114.1	0.000	0.000	Strato2_3095_82743_L_0									
85 D	21.81	1.2139E-03	74.00	109.0	322.9	164.2	UL-RL	2.3904E+04	-16.80	0.000	1.000	1.000
109.0	0.000	0.000	Strato2_3095_82743_L_0									
86 D	20.79	8.0540E-04	78.00	104.0	326.9	166.2	UL-RL	2.3904E+04	-17.00	0.000	1.000	1.000
104.0	0.000	0.000	Strato2_3095_82743_L_0									
87 D	19.78	3.9907E-04	82.00	98.89	330.9	168.1	UL-RL	2.3904E+04	-17.20	0.000	1.000	1.000
98.89	0.000	0.000	Strato2_3095_82743_L_0									
88 D	18.76	-5.7675E-06	86.00	93.81	334.9	170.1	UL-RL	2.3904E+04	-17.40	0.000	1.000	1.000
93.81	0.000	0.000	Strato2_3095_82743_L_0									
89 D	17.74	-4.0971E-04	90.00	88.71	338.9	172.0	UL-RL	2.3904E+04	-17.60	0.000	1.000	1.000
88.71	0.000	0.000	Strato2_3095_82743_L_0									
90 D	16.72	-8.1321E-04	94.00	83.61	342.9	173.9	UL-RL	2.3904E+04	-17.80	0.000	1.000	1.000
83.61	0.000	0.000	Strato2_3095_82743_L_0									
91 D	7.848	-1.2166E-03	98.00	78.48	346.9	175.9	UL-RL	2.3904E+04	-18.00	0.000	1.000	1.000
78.48	0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                  Exe Time :29 July 2019      18:00:07                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.4897     -1.4897     3.43013E-10 0.29793
    2  4.3301     -4.3301    -0.29793      1.1639
    3  8.2343     -8.2343     -1.1639      2.8108
    4  12.045     -12.045     -2.8108      5.2197
    5  16.413     -16.413     -5.2197      8.5024
    6  20.682     -20.682     -8.5024      12.639
    7  25.317     -25.317     -12.639      17.702
    8  29.867     -29.867     -17.702      23.676
    9  34.650     -34.650     -23.676      30.606
   10  39.387     -39.387     -30.606      38.483
   11  44.516     -44.516     -38.483      47.386
   12  49.760     -49.760     -47.386      57.338
   13  55.359     -55.359     -57.338      68.410
   14  61.078     -61.078     -68.410      80.626
   15  67.124     -67.124     -80.626      94.050
   16 -144.61      144.61     -94.050      65.128
   17 -138.16      138.16     -65.128      37.496
   18 -131.58      131.58     -37.496      11.180
   19 -124.71      124.71     -11.180     -13.763
   20 -117.72      117.72      13.763     -37.308
   21 -110.47      110.47      37.308     -59.401
   22 -103.09      103.09      59.401     -80.019
   23 -95.457      95.457      80.019     -99.110
   24 -87.727      87.727      99.110     -116.66
   25 -79.762      79.762      116.66     -132.61
   26 -71.690      71.690      132.61     -146.95
   27 -63.400      63.400      146.95     -159.63
   28 -54.858      54.858      159.63     -170.60
   29 -46.026      46.026      170.60     -179.80
   30 -37.007      37.007      179.80     -187.20
   31 -27.712      27.712      187.20     -192.75
   32 -18.229      18.229      192.75     -196.39
   33 -8.4619      8.4619      196.39     -198.08
   34  1.4967     -1.4967      198.08     -197.78
   35  11.735     -11.735      197.78     -195.44
   36  22.167     -22.167      195.44     -191.00
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37	32.875	-32.875	191.00	-184.43
38	43.779	-43.779	184.43	-175.67
39	54.948	-54.948	175.67	-164.68
40	66.314	-66.314	164.68	-151.42
41	77.952	-77.952	151.42	-135.83
42	89.789	-89.789	135.83	-117.87
43	101.90	-101.90	117.87	-97.494
44	114.20	-114.20	97.494	-74.653
45	126.78	-126.78	74.653	-49.297
46	-128.97	128.97	49.297	-75.091
47	-115.93	115.93	75.091	-98.278
48	-102.70	102.70	98.278	-118.82
49	-89.195	89.195	118.82	-136.66
50	-75.489	75.489	136.66	-151.75
51	-61.520	61.520	151.75	-164.06
52	-47.346	47.346	164.06	-173.53
53	-32.910	32.910	173.53	-180.11
54	-18.276	18.276	180.11	-183.76
55	-3.3800	3.3800	183.76	-184.44
56	11.722	-11.722	184.44	-182.10
57	27.084	-27.084	182.10	-176.68
58	42.653	-42.653	176.68	-168.15
59	58.481	-58.481	168.15	-156.45
60	74.517	-74.517	156.45	-141.55
61	90.805	-90.805	141.55	-123.39
62	107.30	-107.30	123.39	-101.93
63	124.05	-124.05	101.93	-77.117
64	141.02	-141.02	77.117	-48.914
65	158.24	-158.24	48.914	-17.266
66	175.66	-175.66	17.266	17.866
67	163.71	-163.71	-17.866	50.609
68	147.23	-147.23	-50.609	80.055
69	126.86	-126.86	-80.055	105.43
70	106.69	-106.69	-105.43	126.77
71	86.765	-86.765	-126.77	144.12
72	67.091	-67.091	-144.12	157.54
73	47.710	-47.710	-157.54	167.08
74	28.601	-28.601	-167.08	172.80
75	9.7984	-9.7984	-172.80	174.76
76	-8.7300	8.7300	-174.76	173.01
77	-26.950	26.950	-173.01	167.62
78	-44.164	44.164	-167.62	158.79
79	-60.117	60.117	-158.79	146.76
80	-72.705	72.705	-146.76	132.22
81	-81.743	81.743	-132.22	115.88
82	-87.272	87.272	-115.88	98.421
83	-89.389	89.389	-98.421	80.543
84	-88.070	88.070	-80.543	62.928
85	-83.392	83.392	-62.928	46.250
86	-75.315	75.315	-46.250	31.187
87	-63.907	63.907	-31.187	18.405
88	-49.120	49.120	-18.405	8.5814
89	-31.544	31.544	-8.5814	2.2727
90	-11.363	11.363	-2.2727	-1.91736E-13

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:00:07                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   225.57     -1.08357E-03  2.03525E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
```

```
|                                Exe Time :29 July 2019      18:00:07                                         |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

        EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------
ANCHOR    1   277.99     -2.62486E-03  1.80280E-03   0.0000       6321.2       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-----------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                   NewProject.BaseDesignSection_28.SLERara_3454                            |
|                                Exe Time :29 July 2019      18:00:07                                       |
+-----------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                      S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1          CONVERGENCE :YES                        2
        2          CONVERGENCE :YES                        4
        3          CONVERGENCE :YES                        6
        4          CONVERGENCE :YES                        4
        5          CONVERGENCE :YES                        6
        6          CONVERGENCE :YES                        3
        7          CONVERGENCE :YES                        5



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.09 [sec]
DATABASE  CREATION CPU TIME.....    0.41 [sec]
```

2.5. Design Assumption : A1+M1+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1
 * Time:lunedì 29 luglio 2019 18:00:08
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
```

```
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 108 Name=Fe360 E=206000200 kPa
MATERIAL Fe360_108 2.06E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
STRIP LeftWall_32 2 7 0 40 0 11.54 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
```

```
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage6_1682
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage7_1779
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -13.1
WATER -26 0 -18 0 0
ENDSTEP
```

2.6. Design Assumption : A1+M1+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                    Exe Time :29 July 2019      18:00:08                                                 |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A1M1R1_3484
 STARTING
ACCEPTED   <FILE,GENW                                                      >
ACCEPTED   <FILE,PLOTTER,BINARY                                            >
ACCEPTED   <SOLVE TOTAL_STRESS                                             >
ACCEPTED   <PARAM ITEMAX 100                                               >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                  >
```

```
                  ************************************************************
                  *                                                          *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED     *
                  *    BY THE PROGRAM.                                       *
                  ************************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                   Exe Time :29 July 2019      18:00:08                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................    91
NO. OF COORDINATES  (NCOORD)...................     2
NO. OF NODE DOFS    (NDOF).....................     2
NO. OF EQUATIONS    (NEQ)......................   182
NO. OF CONSTRAINTS CARDS (NVINC)...............     0
NO. OF ELEMENT GROUPS (NEG)....................     5
NO. OF SOLUTION STEPS (NSTE)...................     7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...     0
NO. OF RECORD FROM WALGEN .....................   109
NO. OF LONG NAMES (LASTNAME) ..................    26
LENGTH UNIT CHOICE ............................     3 (M   )
FORCE  UNIT CHOICE ............................     3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................     1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .     0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                   Exe Time :29 July 2019      18:00:08                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    109

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
```

```
15 : ENDL
16 : LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
17 : ATREST 0.5 0.5 1
18 : WEIGHT 20 10 10
19 : PERMEABILITY 0.0001
20 : RESISTANCE 20 35
21 : YOUNG 5E+04 1.5E+05
22 : ENDL
23 : MATERIAL Fe360_108 2.06E+08
24 : MATERIAL C2530_104 3.148E+07
25 : MATERIAL acciaioarmonico_124 2.001E+08
26 : MATERIAL C2025_103 2.996E+07
27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
29 : WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0
30 : STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
31 : STRIP LeftWall_32 2 7 0 40 0 11.54 30
32 : STEP Stage1_31
33 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
34 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
35 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
36 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
37 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
38 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
42 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
44 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
47 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
48 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
49 : SETWALL LeftWall_32
50 : GEOM 0 0
51 : WATER -26 0 -18 0 0
52 : ADD WallElement_33
53 : ENDSTEP
54 : STEP Stage2_755438
55 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
58 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
59 : SETWALL LeftWall_32
60 : GEOM 0 0
61 : WATER -26 0 -18 0 0
62 : ENDSTEP
63 : STEP Stage3_158
64 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
67 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
68 : SETWALL LeftWall_32
69 : GEOM 0 -3.5
70 : WATER -26 0 -18 0 0
71 : ENDSTEP
72 : STEP Stage4_617
73 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
74 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
75 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
76 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
77 : SETWALL LeftWall_32
78 : GEOM 0 -3.5
79 : WATER -26 0 -18 0 0
80 : ADD Tirante1_429
81 : ENDSTEP
82 : STEP Stage5_714
83 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
86 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
87 : SETWALL LeftWall_32
88 : GEOM 0 -9.5
89 : WATER -26 0 -18 0 0
90 : ENDSTEP
91 : STEP Stage6_1682
92 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
93 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
94 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
95 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
96 : SETWALL LeftWall_32
97 : GEOM 0 -9.5
98 : WATER -26 0 -18 0 0
99 : ADD Tirante2_1507
```

```
  100 : ENDSTEP
  101 : STEP Stage7_1779
  102 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
  103 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
  104 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
  105 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
  106 : SETWALL LeftWall_32
  107 : GEOM 0 -13.1
  108 : WATER -26 0 -18 0 0
  109 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /   82  0.0000     -16.200     /   83  0.0000     -16.400     /   84  0.0000     -16.600     /
  85  0.0000     -16.800     /   86  0.0000     -17.000     /   87  0.0000     -17.200     /   88  0.0000     -17.400     /
  89  0.0000     -17.600     /   90  0.0000     -17.800     /   91  0.0000     -18.000     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2
```

```
 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	1	0.2000	0.000	0.000	0.000	1.000
66	66	1	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000

77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000
89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                            :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------
```

1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000

24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	1	0.2000	0.000	0.000	0.000	2.000
66	66	1	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                Exe Time :29 July 2019      18:00:08                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................
```

element group behaviour throughout stage analysis

stage	status
1	active
2	active
3	active
4	active
5	active
6	active
7	active

material set no. 1

prop(1) young modulus 0.314800E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.308300E-43

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000

49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
```

```
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   16    1   0.1974E-04 140.9     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      18:00:08                                              |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5  inactive
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1   46    1   0.3159E-04 250.0     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      18:00:08                                              |
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NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
```

```
|                                NewProject.BaseDesignSection_28.A1M1R1_3484                                 |
|                             Exe Time :29 July 2019      18:00:08                                           |
+--------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       6.20000    0.0000E+00
       8.00000    0.0000E+00
```

```
 LOAD FUNCTION NUMBER   =    7
 NUMBER OF TIME POINTS  =    5

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    6.80000    0.0000E+00
    7.00000    0.1000E+01
    7.20000    0.0000E+00
    8.00000    0.0000E+00


 LOAD FUNCTION NUMBER   =    8
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    0.80000    0.0000E+00
    1.00000    0.1000E+01
    8.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =    9
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    1.80000    0.0000E+00
    2.00000    0.1000E+01
    8.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   10
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    2.80000    0.0000E+00
    3.00000    0.1000E+01
    8.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   11
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    3.80000    0.0000E+00
    4.00000    0.1000E+01
    8.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   12
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    4.80000    0.0000E+00
    5.00000    0.1000E+01
    8.00000    0.1000E+01


 LOAD FUNCTION NUMBER   =   13
 NUMBER OF TIME POINTS  =    4

 TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    5.80000    0.0000E+00
    6.00000    0.1000E+01
    8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:00:08                                                  |
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L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:00:08                                                  |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:00:08                                                  |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
```

```
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
```

```
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
```

```
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
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ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
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ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
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PHASE DESCRIPTORS


STEP  NO.     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                    -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                    -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000
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==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000

Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-13.10	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000

```
PORE_UPDATE_FLAG                          0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)          0.000         0.000
lateral thrusts reduction elevatio        0.000         0.000
Downhill reduction factor for effe        0.000         0.000
Downhill reduction factor for pore        0.000         0.000
Uphill reduction factor for effect        0.000         0.000
Uphill reduction factor for pore p        0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]          0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]         0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]         0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]           0.000         0.000
UPHILL DELTA/PHI RATIO                    0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
DOWNHILL DELTA/PHI RATIO                  0.000         0.000
DYN.WATER BEHAVIOUR                       0.000         0.000
Excess pore pressure RATIO Ru             0.000         0.000
SEISMIC PRESSURE LOWER VALUE              0.000         0.000
SEISMIC PRESSURE UPPER VALUE              0.000         0.000
SEISMIC PRESSURE LOWER LEVEL              0.000         0.000
SEISMIC PRESSURE UPPER LEVEL              0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                Exe Time :29 July 2019      18:00:08                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L   S T R E S S   T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.325000000000000
 FOUNDATION WIDTH    (B)            39.6800000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          49.4000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          11.5400000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000
```

```
 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4903

 NO. OF D.P.W  FOR THIS AREA      10857
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      1.0000

 HARDENING 2D SOIL ELEMENT
```

****** TOTAL STRESS FORMULATION *****

EL * Peq	FORCE Su_a	DISPL-Y Su_p	VERTICAL-P LAYER	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.4147E+04	0.000	0.000	1.000	1.000
0.000	0.000	0.000	Strato1_2_8_L_0									
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.4147E+04	-0.2000	0.000	1.000	1.000
2.014	0.000	0.000	Strato1_2_8_L_0									
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.4147E+04	-0.4000	0.000	1.000	1.000
4.028	0.000	0.000	Strato1_2_8_L_0									
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.4147E+04	-0.6000	0.000	1.000	1.000
6.042	0.000	0.000	Strato1_2_8_L_0									
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.4147E+04	-0.8000	0.000	1.000	1.000
8.056	0.000	0.000	Strato1_2_8_L_0									
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.4147E+04	-1.000	0.000	1.000	1.000
10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.4147E+04	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.4147E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.4147E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4147E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4147E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4147E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4147E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4147E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4147E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4147E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4147E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4147E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4147E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4147E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4147E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4147E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4147E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4147E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4147E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4147E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4147E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4147E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4147E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4147E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4147E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4147E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4147E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4147E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4147E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4147E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4147E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4147E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4147E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									

40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4147E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4147E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4147E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4147E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4147E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.4147E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.4147E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.4147E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.4147E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.4147E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.4147E+04	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.4147E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.4147E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.4147E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.4147E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.4147E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.4147E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.4147E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.4147E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.4147E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.4147E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.4147E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.4147E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.4147E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	1.4147E+04	-12.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	1.4147E+04	-12.80	0.000	1.000	1.000
128.9	0.000	0.000	Strato1_2_8_L_0									
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	1.4147E+04	-13.00	0.000	1.000	1.000
130.9	0.000	0.000	Strato1_2_8_L_0									
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	4.0020E+04	-13.20	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	4.0020E+04	-13.40	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	4.0020E+04	-13.60	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	4.0020E+04	-13.80	0.000	1.000	1.000
131.5	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	4.0020E+04	-14.00	0.000	1.000	1.000
133.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	4.0020E+04	-14.20	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	4.0020E+04	-14.40	0.000	1.000	1.000
137.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	4.0020E+04	-14.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	4.0020E+04	-14.80	0.000	1.000	1.000
141.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	4.0020E+04	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	4.0020E+04	-15.20	0.000	1.000	1.000
145.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	4.0020E+04	-15.40	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	4.0020E+04	-15.60	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	4.0020E+04	-15.80	0.000	1.000	1.000
151.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	4.0020E+04	-16.00	0.000	1.000	1.000
153.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	4.0020E+04	-16.20	0.000	1.000	1.000

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155.4       0.000       0.000     Strato2_3095_82743_L_0
  83 D   31.49       0.000       314.9       157.4       314.9       157.4             V-C  4.0020E+04  -16.40       0.000       1.000       1.000
157.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   31.89       0.000       318.9       159.4       318.9       159.4             V-C  4.0020E+04  -16.60       0.000       1.000       1.000
159.4       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.29       0.000       322.9       161.5       322.9       161.5             V-C  4.0020E+04  -16.80       0.000       1.000       1.000
161.5       0.000       0.000     Strato2_3095_82743_L_0
  86 D   32.69       0.000       326.9       163.4       326.9       163.4             V-C  4.0020E+04  -17.00       0.000       1.000       1.000
163.4       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.09       0.000       330.9       165.4       330.9       165.4             V-C  4.0020E+04  -17.20       0.000       1.000       1.000
165.4       0.000       0.000     Strato2_3095_82743_L_0
  88 D   33.49       0.000       334.9       167.4       334.9       167.4             V-C  4.0020E+04  -17.40       0.000       1.000       1.000
167.4       0.000       0.000     Strato2_3095_82743_L_0
  89 D   33.89       0.000       338.9       169.5       338.9       169.5             V-C  4.0020E+04  -17.60       0.000       1.000       1.000
169.5       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.29       0.000       342.9       171.5       342.9       171.5             V-C  4.0020E+04  -17.80       0.000       1.000       1.000
171.5       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.34       0.000       346.9       173.4       346.9       173.4             V-C  4.0020E+04  -18.00       0.000       1.000       1.000
173.4       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                            |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                                          |
 |                                    Exe Time :29 July 2019      18:00:08                                                                   |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P      MAX-V-P      MAX-H-P            STATE    STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a         Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
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   1 D   0.000       0.000       0.000       0.000       0.000       0.000             V-C  9817.       0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014             V-C  9817.     -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028             V-C  9817.     -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042             V-C  9817.     -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056             V-C  9817.     -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07             V-C  9817.      -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08             V-C  9817.      -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10             V-C  9817.      -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11             V-C  9817.      -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13             V-C  9817.      -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14             V-C  9817.      -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15             V-C  9817.      -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17             V-C  9817.      -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18             V-C  9817.      -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20             V-C  9817.      -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21             V-C  9817.      -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22             V-C  9817.      -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24             V-C  9817.      -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25             V-C  9817.      -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27             V-C  9817.      -3.800       0.000       1.000       1.000
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38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	9817.	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	9817.	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	9817.	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	9817.	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	9817.	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	9817.	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	9817.	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	9817.	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	9817.	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	9817.	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	9817.	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	9817.	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	9817.	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	9817.	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	9817.	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	9817.	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	9817.	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	9817.	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	9817.	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	9817.	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	9817.	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	9817.	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	9817.	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	9817.	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	9817.	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	9817.	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	9817.	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	9817.	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	9817.	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	9817.	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	9817.	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	9817.	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	9817.	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	9817.	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	9817.	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	9817.	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	9817.	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	9817.	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	9817.	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	9817.	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	9817.	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	9817.	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									

63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	9817.	-12.40	0.000	1.000	1.000	124.9
0.000	0.000	Strato1_2_8_L_0											
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	9817.	-12.60	0.000	1.000	1.000	126.9
0.000	0.000	Strato1_2_8_L_0											
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	9817.	-12.80	0.000	1.000	1.000	128.9
0.000	0.000	Strato1_2_8_L_0											
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	9817.	-13.00	0.000	1.000	1.000	130.9
0.000	0.000	Strato1_2_8_L_0											
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	2.1690E+04	-13.20	0.000	1.000	1.000	125.5
0.000	0.000	Strato2_3095_82743_L_0											
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	2.1690E+04	-13.40	0.000	1.000	1.000	127.5
0.000	0.000	Strato2_3095_82743_L_0											
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	2.1690E+04	-13.60	0.000	1.000	1.000	129.4
0.000	0.000	Strato2_3095_82743_L_0											
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	2.1690E+04	-13.80	0.000	1.000	1.000	131.5
0.000	0.000	Strato2_3095_82743_L_0											
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	2.1690E+04	-14.00	0.000	1.000	1.000	133.5
0.000	0.000	Strato2_3095_82743_L_0											
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	2.1690E+04	-14.20	0.000	1.000	1.000	135.4
0.000	0.000	Strato2_3095_82743_L_0											
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	2.1690E+04	-14.40	0.000	1.000	1.000	137.4
0.000	0.000	Strato2_3095_82743_L_0											
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	2.1690E+04	-14.60	0.000	1.000	1.000	139.4
0.000	0.000	Strato2_3095_82743_L_0											
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	2.1690E+04	-14.80	0.000	1.000	1.000	141.4
0.000	0.000	Strato2_3095_82743_L_0											
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	2.1690E+04	-15.00	0.000	1.000	1.000	143.4
0.000	0.000	Strato2_3095_82743_L_0											
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	2.1690E+04	-15.20	0.000	1.000	1.000	145.4
0.000	0.000	Strato2_3095_82743_L_0											
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	2.1690E+04	-15.40	0.000	1.000	1.000	147.4
0.000	0.000	Strato2_3095_82743_L_0											
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	2.1690E+04	-15.60	0.000	1.000	1.000	149.4
0.000	0.000	Strato2_3095_82743_L_0											
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	2.1690E+04	-15.80	0.000	1.000	1.000	151.4
0.000	0.000	Strato2_3095_82743_L_0											
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	2.1690E+04	-16.00	0.000	1.000	1.000	153.4
0.000	0.000	Strato2_3095_82743_L_0											
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	2.1690E+04	-16.20	0.000	1.000	1.000	155.4
0.000	0.000	Strato2_3095_82743_L_0											
83 D	31.49	0.000	314.9	157.4	314.9	157.4	V-C	2.1690E+04	-16.40	0.000	1.000	1.000	157.4
0.000	0.000	Strato2_3095_82743_L_0											
84 D	31.89	0.000	318.9	159.4	318.9	159.4	V-C	2.1690E+04	-16.60	0.000	1.000	1.000	159.4
0.000	0.000	Strato2_3095_82743_L_0											
85 D	32.29	0.000	322.9	161.5	322.9	161.5	V-C	2.1690E+04	-16.80	0.000	1.000	1.000	161.5
0.000	0.000	Strato2_3095_82743_L_0											
86 D	32.69	0.000	326.9	163.4	326.9	163.4	V-C	2.1690E+04	-17.00	0.000	1.000	1.000	163.4
0.000	0.000	Strato2_3095_82743_L_0											
87 D	33.09	0.000	330.9	165.4	330.9	165.4	V-C	2.1690E+04	-17.20	0.000	1.000	1.000	165.4
0.000	0.000	Strato2_3095_82743_L_0											
88 D	33.49	0.000	334.9	167.4	334.9	167.4	V-C	2.1690E+04	-17.40	0.000	1.000	1.000	167.4
0.000	0.000	Strato2_3095_82743_L_0											
89 D	33.89	0.000	338.9	169.5	338.9	169.5	V-C	2.1690E+04	-17.60	0.000	1.000	1.000	169.5
0.000	0.000	Strato2_3095_82743_L_0											
90 D	34.29	0.000	342.9	171.5	342.9	171.5	V-C	2.1690E+04	-17.80	0.000	1.000	1.000	171.5
0.000	0.000	Strato2_3095_82743_L_0											
91 D	17.34	0.000	346.9	173.4	346.9	173.4	V-C	2.1690E+04	-18.00	0.000	1.000	1.000	173.4
0.000	0.000	Strato2_3095_82743_L_0											

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
 |                                                                                                                   |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
 |                                  Exe Time :29 July 2019      18:00:08                                             |
 +-------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                 :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
```

5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000

```
    90  0.0000      0.0000      0.0000      0.0000


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8842E+05 RIMNOR= 0.000
           RENORM= 1484.     REMNOR= 0.000     RATIO =0.1296     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.45     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8842E+05 RDR   = 0.000
           RATIOT=0.1296     RATIOR= 0.000
           MAX UN= 4.354     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8842E+05 RIMNOR= 0.000
           RENORM= 5.382     REMNOR=0.5150E-20 RATIO =0.7802E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.45     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8842E+05 RDR   = 0.000
           RATIOT=0.7802E-02 RATIOR= 0.000
           MAX UN= 1.728     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2243E-09 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8842E+05 RIMNOR= 0.000
           RENORM=0.4300     REMNOR=0.6602E-21 RATIO =0.2205E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.45     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8842E+05 RDR   = 0.000
           RATIOT=0.2205E-02 RATIOR= 0.000
           MAX UN=0.5648     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.9791E-10 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8842E+05 RIMNOR= 0.000
           RENORM=0.1097E-04 REMNOR=0.4454E-21 RATIO =0.1114E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.45     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8842E+05 RDR   = 0.000
           RATIOT=0.1114E-04 RATIOR= 0.000
           MAX UN=0.3124E-02 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.1117E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:00:08                                                  |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.9074387E-04   5.8319835E-07
    2   3.9086107E-04   5.9152681E-07
    3   3.9098086E-04   6.0553159E-07
    4   3.9110356E-04   6.2363345E-07
    5   3.9123136E-04   6.5740291E-07
    6   3.9136840E-04   7.1938923E-07
    7   3.9152189E-04   8.2294239E-07
    8   3.9170098E-04   9.7762914E-07
    9   3.9191676E-04   1.1895978E-06
   10   3.9218060E-04   1.4582906E-06
   11   3.9250340E-04   1.7769283E-06
   12   3.9289389E-04   2.1333416E-06
   13   3.9335826E-04   2.5125829E-06
   14   3.9389960E-04   2.9018594E-06
   15   3.9451899E-04   3.2908860E-06
   16   3.9521535E-04   3.6708476E-06
   17   3.9598618E-04   4.0336125E-06
   18   3.9682710E-04   4.3710367E-06
   19   3.9773246E-04   4.6763400E-06
   20   3.9869510E-04   4.9435048E-06
   21   3.9970698E-04   5.1674661E-06
   22   4.0075890E-04   5.3436406E-06
   23   4.0184099E-04   5.4680952E-06
   24   4.0294244E-04   5.5371724E-06
   25   4.0405190E-04   5.5469349E-06
   26   4.0515696E-04   5.4928956E-06
   27   4.0624452E-04   5.3709008E-06
   28   4.0730051E-04   5.1768125E-06
   29   4.0831018E-04   4.9067730E-06
   30   4.0925791E-04   4.5571915E-06
   31   4.1012754E-04   4.1248528E-06
   32   4.1090210E-04   3.6061863E-06
   33   4.1156401E-04   2.9973965E-06
   34   4.1209481E-04   2.2948970E-06
   35   4.1247550E-04   1.4954372E-06
   36   4.1268632E-04   5.9599448E-07
   37   4.1270706E-04  -4.0606335E-07
   38   4.1251690E-04  -1.5130436E-06
   39   4.1209472E-04  -2.7267697E-06
   40   4.1141896E-04  -4.0490192E-06
   41   4.1046778E-04  -5.4813650E-06
   42   4.0921901E-04  -7.0246653E-06
   43   4.0765052E-04  -8.6788968E-06
   44   4.0574013E-04  -1.0443089E-05
   45   4.0346610E-04  -1.2315104E-05
   46   4.0080706E-04  -1.4291629E-05
   47   3.9774273E-04  -1.6368059E-05
   48   3.9425356E-04  -1.8538697E-05
   49   3.9032150E-04  -2.0795916E-05
   50   3.8593008E-04  -2.3130096E-05
   51   3.8106512E-04  -2.5529297E-05
   52   3.7571496E-04  -2.7979144E-05
   53   3.6987121E-04  -3.0462482E-05
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54	3.6352907E-04	-3.2959269E-05
55	3.5668813E-04	-3.5446551E-05
56	3.4935282E-04	-3.7898267E-05
57	3.4153318E-04	-4.0284653E-05
58	3.3324555E-04	-4.2572041E-05
59	3.2451349E-04	-4.4722590E-05
60	3.1536846E-04	-4.6694098E-05
61	3.0585090E-04	-4.8439761E-05
62	2.9601103E-04	-4.9908292E-05
63	2.8590979E-04	-5.1043712E-05
64	2.7561982E-04	-5.1784959E-05
65	2.6522651E-04	-5.2065751E-05
66	2.5482899E-04	-5.1814544E-05
67	2.4454128E-04	-5.0954480E-05
68	2.3448594E-04	-4.9513195E-05
69	2.2476623E-04	-4.7618566E-05
70	2.1546109E-04	-4.5385295E-05
71	2.0662788E-04	-4.2915379E-05
72	1.9830474E-04	-4.0298504E-05
73	1.9051346E-04	-3.7612796E-05
74	1.8326015E-04	-3.4925001E-05
75	1.7653980E-04	-3.2292007E-05
76	1.7033655E-04	-2.9761052E-05
77	1.6462601E-04	-2.7370758E-05
78	1.5937682E-04	-2.5151829E-05
79	1.5455230E-04	-2.3127466E-05
80	1.5011177E-04	-2.1313986E-05
81	1.4601199E-04	-1.9721348E-05
82	1.4220824E-04	-1.8353664E-05
83	1.3865571E-04	-1.7208193E-05
84	1.3531067E-04	-1.6277147E-05
85	1.3213122E-04	-1.5548180E-05
86	1.2907886E-04	-1.5004752E-05
87	1.2611834E-04	-1.4625940E-05
88	1.2321918E-04	-1.4386727E-05
89	1.2035628E-04	-1.4258074E-05
90	1.1751078E-04	-1.4206982E-05
91	1.1467078E-04	-1.4196536E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:00:08

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3508	-3.9074E-04	11.54	3.508	11.54	6.116	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.508	0.000	0.000	Strato1_2_8_L_0
2 D	0.7077	-3.9086E-04	11.64	3.539	11.64	6.169	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.539	0.000	0.000	Strato1_2_8_L_0
3 D	1.969	-3.9098E-04	32.39	9.846	32.39	17.17	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.846	0.000	0.000	Strato1_2_8_L_0
4 D	2.068	-3.9110E-04	34.01	10.34	34.01	18.02	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	10.34	0.000	0.000	Strato1_2_8_L_0
5 D	2.817	-3.9123E-04	46.33	14.08	46.33	24.55	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.08	0.000	0.000	Strato1_2_8_L_0
6 D	2.908	-3.9137E-04	47.82	14.54	47.82	25.35	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.54	0.000	0.000	Strato1_2_8_L_0
7 D	3.463	-3.9152E-04	56.96	17.32	56.96	30.19	ACTIVE	0.000	-1.200	0.000	1.000	1.000	17.32	0.000	0.000	Strato1_2_8_L_0
8 D	3.570	-3.9170E-04	58.71	17.85	58.71	31.12	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.85	0.000	0.000	Strato1_2_8_L_0
9 D	3.987	-3.9192E-04	65.58	19.94	65.58	34.76	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.94	0.000	0.000	Strato1_2_8_L_0
10 D	4.114	-3.9218E-04	67.67	20.57	67.67	35.86	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.57	0.000	0.000	Strato1_2_8_L_0

11 D	4.567	-3.9250E-04	74.52	22.84	74.52	39.49	UL-RL	4.2442E+04	-2.000	0.000	1.000	1.000
22.84	0.000	0.000	Strato1_2_8_L_0									
12 D	4.804	-3.9289E-04	76.79	24.02	76.79	40.70	UL-RL	4.2442E+04	-2.200	0.000	1.000	1.000
24.02	0.000	0.000	Strato1_2_8_L_0									
13 D	5.465	-3.9336E-04	83.06	27.33	83.06	44.02	UL-RL	4.2442E+04	-2.400	0.000	1.000	1.000
27.33	0.000	0.000	Strato1_2_8_L_0									
14 D	5.717	-3.9390E-04	85.48	28.59	85.48	45.31	UL-RL	4.2442E+04	-2.600	0.000	1.000	1.000
28.59	0.000	0.000	Strato1_2_8_L_0									
15 D	6.335	-3.9452E-04	91.36	31.67	91.36	48.42	UL-RL	4.2442E+04	-2.800	0.000	1.000	1.000
31.67	0.000	0.000	Strato1_2_8_L_0									
16 D	6.554	-3.9522E-04	93.48	32.77	93.48	49.55	UL-RL	4.2442E+04	-3.000	0.000	1.000	1.000
32.77	0.000	0.000	Strato1_2_8_L_0									
17 D	7.143	-3.9599E-04	99.09	35.71	99.09	52.52	UL-RL	4.2442E+04	-3.200	0.000	1.000	1.000
35.71	0.000	0.000	Strato1_2_8_L_0									
18 D	7.421	-3.9683E-04	101.8	37.10	101.8	53.95	UL-RL	4.2442E+04	-3.400	0.000	1.000	1.000
37.10	0.000	0.000	Strato1_2_8_L_0									
19 D	7.984	-3.9773E-04	107.2	39.92	107.2	56.80	UL-RL	4.2442E+04	-3.600	0.000	1.000	1.000
39.92	0.000	0.000	Strato1_2_8_L_0									
20 D	8.270	-3.9870E-04	109.9	41.35	109.9	58.27	UL-RL	4.2442E+04	-3.800	0.000	1.000	1.000
41.35	0.000	0.000	Strato1_2_8_L_0									
21 D	8.814	-3.9971E-04	115.2	44.07	115.2	61.03	UL-RL	4.2442E+04	-4.000	0.000	1.000	1.000
44.07	0.000	0.000	Strato1_2_8_L_0									
22 D	9.107	-4.0076E-04	118.0	45.54	118.0	62.54	UL-RL	4.2442E+04	-4.200	0.000	1.000	1.000
45.54	0.000	0.000	Strato1_2_8_L_0									
23 D	9.635	-4.0184E-04	123.1	48.18	123.1	65.23	UL-RL	4.2442E+04	-4.400	0.000	1.000	1.000
48.18	0.000	0.000	Strato1_2_8_L_0									
24 D	9.905	-4.0294E-04	125.7	49.53	125.7	66.63	UL-RL	4.2442E+04	-4.600	0.000	1.000	1.000
49.53	0.000	0.000	Strato1_2_8_L_0									
25 D	10.42	-4.0405E-04	130.7	52.11	130.7	69.26	UL-RL	4.2442E+04	-4.800	0.000	1.000	1.000
52.11	0.000	0.000	Strato1_2_8_L_0									
26 D	10.73	-4.0516E-04	133.7	53.65	133.7	70.84	UL-RL	4.2442E+04	-5.000	0.000	1.000	1.000
53.65	0.000	0.000	Strato1_2_8_L_0									
27 D	11.24	-4.0624E-04	138.5	56.18	138.5	73.42	UL-RL	4.2442E+04	-5.200	0.000	1.000	1.000
56.18	0.000	0.000	Strato1_2_8_L_0									
28 D	11.55	-4.0730E-04	141.6	57.74	141.6	75.03	UL-RL	4.2442E+04	-5.400	0.000	1.000	1.000
57.74	0.000	0.000	Strato1_2_8_L_0									
29 D	12.05	-4.0831E-04	146.3	60.23	146.3	77.56	UL-RL	4.2442E+04	-5.600	0.000	1.000	1.000
60.23	0.000	0.000	Strato1_2_8_L_0									
30 D	12.37	-4.0926E-04	149.4	61.83	149.4	79.20	UL-RL	4.2442E+04	-5.800	0.000	1.000	1.000
61.83	0.000	0.000	Strato1_2_8_L_0									
31 D	12.83	-4.1013E-04	153.9	64.17	153.9	81.58	UL-RL	4.2442E+04	-6.000	0.000	1.000	1.000
64.17	0.000	0.000	Strato1_2_8_L_0									
32 D	13.16	-4.1090E-04	157.0	65.79	157.0	83.23	UL-RL	4.2442E+04	-6.200	0.000	1.000	1.000
65.79	0.000	0.000	Strato1_2_8_L_0									
33 D	13.65	-4.1156E-04	161.7	68.23	161.7	85.70	UL-RL	4.2442E+04	-6.400	0.000	1.000	1.000
68.23	0.000	0.000	Strato1_2_8_L_0									
34 D	13.98	-4.1209E-04	164.9	69.88	164.9	87.37	UL-RL	4.2442E+04	-6.600	0.000	1.000	1.000
69.88	0.000	0.000	Strato1_2_8_L_0									
35 D	14.46	-4.1248E-04	169.5	72.31	169.5	89.81	UL-RL	4.2442E+04	-6.800	0.000	1.000	1.000
72.31	0.000	0.000	Strato1_2_8_L_0									
36 D	14.80	-4.1269E-04	172.6	73.99	172.6	91.50	UL-RL	4.2442E+04	-7.000	0.000	1.000	1.000
73.99	0.000	0.000	Strato1_2_8_L_0									
37 D	15.28	-4.1271E-04	177.2	76.40	177.2	93.92	UL-RL	4.2442E+04	-7.200	0.000	1.000	1.000
76.40	0.000	0.000	Strato1_2_8_L_0									
38 D	15.62	-4.1252E-04	180.4	78.11	180.4	95.62	UL-RL	4.2442E+04	-7.400	0.000	1.000	1.000
78.11	0.000	0.000	Strato1_2_8_L_0									
39 D	16.09	-4.1209E-04	184.8	80.43	184.8	97.92	UL-RL	4.2442E+04	-7.600	0.000	1.000	1.000
80.43	0.000	0.000	Strato1_2_8_L_0									
40 D	16.44	-4.1142E-04	188.0	82.18	188.0	99.64	UL-RL	4.2442E+04	-7.800	0.000	1.000	1.000
82.18	0.000	0.000	Strato1_2_8_L_0									
41 D	16.92	-4.1047E-04	192.5	84.59	192.5	102.0	UL-RL	4.2442E+04	-8.000	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
42 D	17.28	-4.0922E-04	195.8	86.38	195.8	103.7	UL-RL	4.2442E+04	-8.200	0.000	1.000	1.000
86.38	0.000	0.000	Strato1_2_8_L_0									
43 D	17.76	-4.0765E-04	200.2	88.80	200.2	106.1	UL-RL	4.2442E+04	-8.400	0.000	1.000	1.000
88.80	0.000	0.000	Strato1_2_8_L_0									
44 D	18.13	-4.0574E-04	203.5	90.63	203.5	107.8	UL-RL	4.2442E+04	-8.600	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
45 D	18.61	-4.0347E-04	207.9	93.06	207.9	110.2	UL-RL	4.2442E+04	-8.800	0.000	1.000	1.000
93.06	0.000	0.000	Strato1_2_8_L_0									
46 D	18.97	-4.0081E-04	211.1	94.85	211.1	111.9	UL-RL	4.2442E+04	-9.000	0.000	1.000	1.000
94.85	0.000	0.000	Strato1_2_8_L_0									
47 D	19.46	-3.9774E-04	215.4	97.31	215.4	114.2	UL-RL	4.2442E+04	-9.200	0.000	1.000	1.000
97.31	0.000	0.000	Strato1_2_8_L_0									
48 D	19.84	-3.9425E-04	218.8	99.22	218.8	116.0	UL-RL	4.2442E+04	-9.400	0.000	1.000	1.000
99.22	0.000	0.000	Strato1_2_8_L_0									
49 D	20.34	-3.9032E-04	223.1	101.7	223.1	118.3	UL-RL	4.2442E+04	-9.600	0.000	1.000	1.000
101.7	0.000	0.000	Strato1_2_8_L_0									
50 D	20.73	-3.8593E-04	226.5	103.7	226.5	120.0	UL-RL	4.2442E+04	-9.800	0.000	1.000	1.000
103.7	0.000	0.000	Strato1_2_8_L_0									
51 D	21.23	-3.8107E-04	230.8	106.2	230.8	122.3	UL-RL	4.2442E+04	-10.00	0.000	1.000	1.000
106.2	0.000	0.000	Strato1_2_8_L_0									
52 D	21.64	-3.7571E-04	234.2	108.2	234.2	124.1	UL-RL	4.2442E+04	-10.20	0.000	1.000	1.000
108.2	0.000	0.000	Strato1_2_8_L_0									
53 D	22.14	-3.6987E-04	238.5	110.7	238.5	126.4	UL-RL	4.2442E+04	-10.40	0.000	1.000	1.000

110.7	0.000	0.000	Strato1_2_8_L_0									
54 D	22.54	-3.6353E-04	241.8	112.7	241.8	128.1	UL-RL	4.2442E+04	-10.60	0.000	1.000	1.000
112.7	0.000	0.000	Strato1_2_8_L_0									
55 D	23.05	-3.5669E-04	246.1	115.3	246.1	130.4	UL-RL	4.2442E+04	-10.80	0.000	1.000	1.000
115.3	0.000	0.000	Strato1_2_8_L_0									
56 D	23.48	-3.4935E-04	249.5	117.4	249.5	132.2	UL-RL	4.2442E+04	-11.00	0.000	1.000	1.000
117.4	0.000	0.000	Strato1_2_8_L_0									
57 D	24.00	-3.4153E-04	253.7	120.0	253.7	134.5	UL-RL	4.2442E+04	-11.20	0.000	1.000	1.000
120.0	0.000	0.000	Strato1_2_8_L_0									
58 D	24.43	-3.3325E-04	257.1	122.1	257.1	136.3	UL-RL	4.2442E+04	-11.40	0.000	1.000	1.000
122.1	0.000	0.000	Strato1_2_8_L_0									
59 D	24.95	-3.2451E-04	261.4	124.8	261.4	138.5	UL-RL	4.2442E+04	-11.60	0.000	1.000	1.000
124.8	0.000	0.000	Strato1_2_8_L_0									
60 D	25.39	-3.1537E-04	264.8	127.0	264.8	140.4	UL-RL	4.2442E+04	-11.80	0.000	1.000	1.000
127.0	0.000	0.000	Strato1_2_8_L_0									
61 D	25.91	-3.0585E-04	269.0	129.6	269.0	142.5	UL-RL	4.2442E+04	-12.00	0.000	1.000	1.000
129.6	0.000	0.000	Strato1_2_8_L_0									
62 D	26.36	-2.9601E-04	272.4	131.8	272.4	144.4	UL-RL	4.2442E+04	-12.20	0.000	1.000	1.000
131.8	0.000	0.000	Strato1_2_8_L_0									
63 D	26.89	-2.8591E-04	276.6	134.5	276.6	146.6	UL-RL	4.2442E+04	-12.40	0.000	1.000	1.000
134.5	0.000	0.000	Strato1_2_8_L_0									
64 D	27.35	-2.7562E-04	280.1	136.7	280.1	148.4	UL-RL	4.2442E+04	-12.60	0.000	1.000	1.000
136.7	0.000	0.000	Strato1_2_8_L_0									
65 D	27.88	-2.6523E-04	284.3	139.4	284.3	150.7	UL-RL	4.2442E+04	-12.80	0.000	1.000	1.000
139.4	0.000	0.000	Strato1_2_8_L_0									
66 D	28.34	-2.5483E-04	287.7	141.7	287.7	152.5	UL-RL	4.2442E+04	-13.00	0.000	1.000	1.000
141.7	0.000	0.000	Strato1_2_8_L_0									
67 D	23.33	-2.4454E-04	292.0	116.7	292.0	146.0	UL-RL	1.2006E+05	-13.20	0.000	1.000	1.000
116.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.94	-2.3449E-04	295.7	119.7	295.7	147.8	UL-RL	1.2006E+05	-13.40	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.60	-2.2477E-04	300.0	123.0	300.0	150.0	UL-RL	1.2006E+05	-13.60	0.000	1.000	1.000
123.0	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.19	-2.1546E-04	303.7	126.0	303.7	151.8	UL-RL	1.2006E+05	-13.80	0.000	1.000	1.000
126.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.84	-2.0663E-04	308.0	129.2	308.0	154.0	UL-RL	1.2006E+05	-14.00	0.000	1.000	1.000
129.2	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.41	-1.9830E-04	311.7	132.1	311.7	155.9	UL-RL	1.2006E+05	-14.20	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.03	-1.9051E-04	316.1	135.2	316.1	158.0	UL-RL	1.2006E+05	-14.40	0.000	1.000	1.000
135.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.58	-1.8326E-04	319.8	137.9	319.8	159.9	UL-RL	1.2006E+05	-14.60	0.000	1.000	1.000
137.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.17	-1.7654E-04	324.1	140.9	324.1	162.1	UL-RL	1.2006E+05	-14.80	0.000	1.000	1.000
140.9	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.68	-1.7034E-04	327.7	143.4	327.7	163.9	UL-RL	1.2006E+05	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.26	-1.6463E-04	332.1	146.3	332.1	166.0	UL-RL	1.2006E+05	-15.20	0.000	1.000	1.000
146.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.75	-1.5938E-04	335.8	148.8	335.8	167.9	UL-RL	1.2006E+05	-15.40	0.000	1.000	1.000
148.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.30	-1.5455E-04	340.1	151.5	340.1	170.1	UL-RL	1.2006E+05	-15.60	0.000	1.000	1.000
151.5	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.78	-1.5011E-04	343.8	153.9	343.8	171.9	UL-RL	1.2006E+05	-15.80	0.000	1.000	1.000
153.9	0.000	0.000	Strato2_3095_82743_L_0									
81 D	31.31	-1.4601E-04	348.2	156.6	348.2	174.1	UL-RL	1.2006E+05	-16.00	0.000	1.000	1.000
156.6	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.83	-1.4221E-04	352.5	159.2	352.5	176.2	UL-RL	1.2006E+05	-16.20	0.000	1.000	1.000
159.2	0.000	0.000	Strato2_3095_82743_L_0									
83 D	32.29	-1.3866E-04	356.2	161.5	356.2	178.1	UL-RL	1.2006E+05	-16.40	0.000	1.000	1.000
161.5	0.000	0.000	Strato2_3095_82743_L_0									
84 D	32.80	-1.3531E-04	360.4	164.0	360.4	180.2	UL-RL	1.2006E+05	-16.60	0.000	1.000	1.000
164.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	33.24	-1.3213E-04	364.2	166.2	364.2	182.1	UL-RL	1.2006E+05	-16.80	0.000	1.000	1.000
166.2	0.000	0.000	Strato2_3095_82743_L_0									
86 D	33.75	-1.2908E-04	368.5	168.7	368.5	184.2	UL-RL	1.2006E+05	-17.00	0.000	1.000	1.000
168.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	34.19	-1.2612E-04	372.2	171.0	372.2	186.1	UL-RL	1.2006E+05	-17.20	0.000	1.000	1.000
171.0	0.000	0.000	Strato2_3095_82743_L_0									
88 D	34.69	-1.2322E-04	376.5	173.5	376.5	188.3	UL-RL	1.2006E+05	-17.40	0.000	1.000	1.000
173.5	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.13	-1.2036E-04	380.2	175.7	380.2	190.1	UL-RL	1.2006E+05	-17.60	0.000	1.000	1.000
175.7	0.000	0.000	Strato2_3095_82743_L_0									
90 D	35.63	-1.1751E-04	384.5	178.2	384.5	192.3	UL-RL	1.2006E+05	-17.80	0.000	1.000	1.000
178.2	0.000	0.000	Strato2_3095_82743_L_0									
91 D	18.03	-1.1467E-04	388.2	180.3	388.2	194.1	UL-RL	1.2006E+05	-18.00	0.000	1.000	1.000
180.3	0.000	0.000	Strato2_3095_82743_L_0									

| Exe Time :29 July 2019 18:00:08 |

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	3.9074E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.170	3.9086E-04	3.800	5.851	3.800	5.851	V-C	9817.	-0.2000	0.000	1.000	1.000	5.851	0.000	0.000	Strato1_2_8_L_0
3 D	1.573	3.9098E-04	7.600	7.866	7.600	7.866	V-C	9817.	-0.4000	0.000	1.000	1.000	7.866	0.000	0.000	Strato1_2_8_L_0
4 D	1.976	3.9110E-04	11.40	9.882	11.40	9.882	V-C	9817.	-0.6000	0.000	1.000	1.000	9.882	0.000	0.000	Strato1_2_8_L_0
5 D	2.379	3.9123E-04	15.20	11.90	15.20	11.90	V-C	9817.	-0.8000	0.000	1.000	1.000	11.90	0.000	0.000	Strato1_2_8_L_0
6 D	2.782	3.9137E-04	19.00	13.91	19.00	13.91	V-C	9817.	-1.000	0.000	1.000	1.000	13.91	0.000	0.000	Strato1_2_8_L_0
7 D	3.186	3.9152E-04	22.80	15.93	22.80	15.93	V-C	9817.	-1.200	0.000	1.000	1.000	15.93	0.000	0.000	Strato1_2_8_L_0
8 D	3.589	3.9170E-04	26.60	17.94	26.60	17.94	V-C	9817.	-1.400	0.000	1.000	1.000	17.94	0.000	0.000	Strato1_2_8_L_0
9 D	3.992	3.9192E-04	30.40	19.96	30.40	19.96	V-C	9817.	-1.600	0.000	1.000	1.000	19.96	0.000	0.000	Strato1_2_8_L_0
10 D	4.395	3.9218E-04	34.20	21.98	34.20	21.98	V-C	9817.	-1.800	0.000	1.000	1.000	21.98	0.000	0.000	Strato1_2_8_L_0
11 D	4.799	3.9250E-04	38.00	23.99	38.00	23.99	V-C	9817.	-2.000	0.000	1.000	1.000	23.99	0.000	0.000	Strato1_2_8_L_0
12 D	5.202	3.9289E-04	41.80	26.01	41.80	26.01	V-C	9817.	-2.200	0.000	1.000	1.000	26.01	0.000	0.000	Strato1_2_8_L_0
13 D	5.606	3.9336E-04	45.60	28.03	45.60	28.03	V-C	9817.	-2.400	0.000	1.000	1.000	28.03	0.000	0.000	Strato1_2_8_L_0
14 D	6.010	3.9390E-04	49.40	30.05	49.40	30.05	V-C	9817.	-2.600	0.000	1.000	1.000	30.05	0.000	0.000	Strato1_2_8_L_0
15 D	6.414	3.9452E-04	53.20	32.07	53.20	32.07	V-C	9817.	-2.800	0.000	1.000	1.000	32.07	0.000	0.000	Strato1_2_8_L_0
16 D	6.818	3.9522E-04	57.00	34.09	57.00	34.09	V-C	9817.	-3.000	0.000	1.000	1.000	34.09	0.000	0.000	Strato1_2_8_L_0
17 D	7.222	3.9599E-04	60.80	36.11	60.80	36.11	V-C	9817.	-3.200	0.000	1.000	1.000	36.11	0.000	0.000	Strato1_2_8_L_0
18 D	7.627	3.9683E-04	64.60	38.13	64.60	38.13	V-C	9817.	-3.400	0.000	1.000	1.000	38.13	0.000	0.000	Strato1_2_8_L_0
19 D	8.031	3.9773E-04	68.40	40.16	68.40	40.16	V-C	9817.	-3.600	0.000	1.000	1.000	40.16	0.000	0.000	Strato1_2_8_L_0
20 D	8.436	3.9870E-04	72.20	42.18	72.20	42.18	V-C	9817.	-3.800	0.000	1.000	1.000	42.18	0.000	0.000	Strato1_2_8_L_0
21 D	8.841	3.9971E-04	76.00	44.20	76.00	44.20	V-C	9817.	-4.000	0.000	1.000	1.000	44.20	0.000	0.000	Strato1_2_8_L_0
22 D	9.246	4.0076E-04	79.80	46.23	79.80	46.23	V-C	9817.	-4.200	0.000	1.000	1.000	46.23	0.000	0.000	Strato1_2_8_L_0
23 D	9.651	4.0184E-04	83.60	48.25	83.60	48.25	V-C	9817.	-4.400	0.000	1.000	1.000	48.25	0.000	0.000	Strato1_2_8_L_0
24 D	10.06	4.0294E-04	87.40	50.28	87.40	50.28	V-C	9817.	-4.600	0.000	1.000	1.000	50.28	0.000	0.000	Strato1_2_8_L_0
25 D	10.46	4.0405E-04	91.20	52.30	91.20	52.30	V-C	9817.	-4.800	0.000	1.000	1.000	52.30	0.000	0.000	Strato1_2_8_L_0
26 D	10.87	4.0516E-04	95.00	54.33	95.00	54.33	V-C	9817.	-5.000	0.000	1.000	1.000	54.33	0.000	0.000	Strato1_2_8_L_0
27 D	11.27	4.0624E-04	98.80	56.35	98.80	56.35	V-C	9817.	-5.200	0.000	1.000	1.000	56.35	0.000	0.000	Strato1_2_8_L_0
28 D	11.67	4.0730E-04	102.6	58.37	102.6	58.38	UL-RL	2.9452E+04	-5.400	0.000	1.000	1.000	58.37	0.000	0.000	Strato1_2_8_L_0
29 D	12.07	4.0831E-04	106.4	60.37	106.4	60.42	UL-RL	2.9452E+04	-5.600	0.000	1.000	1.000	60.37	0.000	0.000	Strato1_2_8_L_0
30 D	12.47	4.0926E-04	110.2	62.37	110.2	62.45	UL-RL	2.9452E+04	-5.800	0.000	1.000	1.000	62.37	0.000	0.000	Strato1_2_8_L_0
31 D	12.88	4.1013E-04	114.0	64.38	114.0	64.48	UL-RL	2.9452E+04	-6.000	0.000	1.000	1.000	64.38	0.000	0.000	Strato1_2_8_L_0
32 D	13.28	4.1090E-04	117.8	66.39	117.8	66.51	UL-RL	2.9452E+04	-6.200	0.000	1.000	1.000	66.39	0.000	0.000	Strato1_2_8_L_0
33 D	13.68	4.1156E-04	121.6	68.40	121.6	68.53	UL-RL	2.9452E+04	-6.400	0.000	1.000	1.000	68.40	0.000	0.000	Strato1_2_8_L_0

34 D	14.08	4.1209E-04	125.4	70.41	125.4	70.56	UL-RL	2.9452E+04	-6.600	0.000	1.000	1.000
70.41	0.000	0.000	Strato1_2_8_L_0									
35 D	14.48	4.1248E-04	129.2	72.42	129.2	72.58	UL-RL	2.9452E+04	-6.800	0.000	1.000	1.000
72.42	0.000	0.000	Strato1_2_8_L_0									
36 D	14.89	4.1269E-04	133.0	74.43	133.0	74.60	UL-RL	2.9452E+04	-7.000	0.000	1.000	1.000
74.43	0.000	0.000	Strato1_2_8_L_0									
37 D	15.29	4.1271E-04	136.8	76.44	136.8	76.61	UL-RL	2.9452E+04	-7.200	0.000	1.000	1.000
76.44	0.000	0.000	Strato1_2_8_L_0									
38 D	15.69	4.1252E-04	140.6	78.46	140.6	78.62	UL-RL	2.9452E+04	-7.400	0.000	1.000	1.000
78.46	0.000	0.000	Strato1_2_8_L_0									
39 D	16.09	4.1209E-04	144.4	80.47	144.4	80.63	UL-RL	2.9452E+04	-7.600	0.000	1.000	1.000
80.47	0.000	0.000	Strato1_2_8_L_0									
40 D	16.50	4.1142E-04	148.2	82.48	148.2	82.64	UL-RL	2.9452E+04	-7.800	0.000	1.000	1.000
82.48	0.000	0.000	Strato1_2_8_L_0									
41 D	16.90	4.1047E-04	152.0	84.48	152.0	84.64	UL-RL	2.9452E+04	-8.000	0.000	1.000	1.000
84.48	0.000	0.000	Strato1_2_8_L_0									
42 D	17.30	4.0922E-04	155.8	86.49	155.8	86.64	UL-RL	2.9452E+04	-8.200	0.000	1.000	1.000
86.49	0.000	0.000	Strato1_2_8_L_0									
43 D	17.70	4.0765E-04	159.6	88.49	159.6	88.64	UL-RL	2.9452E+04	-8.400	0.000	1.000	1.000
88.49	0.000	0.000	Strato1_2_8_L_0									
44 D	18.10	4.0574E-04	163.4	90.49	163.4	90.63	UL-RL	2.9452E+04	-8.600	0.000	1.000	1.000
90.49	0.000	0.000	Strato1_2_8_L_0									
45 D	18.50	4.0347E-04	167.2	92.49	167.2	92.62	UL-RL	2.9452E+04	-8.800	0.000	1.000	1.000
92.49	0.000	0.000	Strato1_2_8_L_0									
46 D	18.90	4.0081E-04	171.0	94.48	171.0	94.61	UL-RL	2.9452E+04	-9.000	0.000	1.000	1.000
94.48	0.000	0.000	Strato1_2_8_L_0									
47 D	19.29	3.9774E-04	174.8	96.47	174.8	96.59	UL-RL	2.9452E+04	-9.200	0.000	1.000	1.000
96.47	0.000	0.000	Strato1_2_8_L_0									
48 D	19.69	3.9425E-04	178.6	98.46	178.6	98.57	UL-RL	2.9452E+04	-9.400	0.000	1.000	1.000
98.46	0.000	0.000	Strato1_2_8_L_0									
49 D	20.09	3.9032E-04	182.4	100.4	182.4	100.5	UL-RL	2.9452E+04	-9.600	0.000	1.000	1.000
100.4	0.000	0.000	Strato1_2_8_L_0									
50 D	20.48	3.8593E-04	186.2	102.4	186.2	102.5	UL-RL	2.9452E+04	-9.800	0.000	1.000	1.000
102.4	0.000	0.000	Strato1_2_8_L_0									
51 D	20.88	3.8107E-04	190.0	104.4	190.0	104.5	UL-RL	2.9452E+04	-10.00	0.000	1.000	1.000
104.4	0.000	0.000	Strato1_2_8_L_0									
52 D	21.27	3.7571E-04	193.8	106.4	193.8	106.4	UL-RL	2.9452E+04	-10.20	0.000	1.000	1.000
106.4	0.000	0.000	Strato1_2_8_L_0									
53 D	21.66	3.6987E-04	197.6	108.3	197.6	108.4	UL-RL	2.9452E+04	-10.40	0.000	1.000	1.000
108.3	0.000	0.000	Strato1_2_8_L_0									
54 D	22.05	3.6353E-04	201.4	110.3	201.4	110.3	UL-RL	2.9452E+04	-10.60	0.000	1.000	1.000
110.3	0.000	0.000	Strato1_2_8_L_0									
55 D	22.44	3.5669E-04	205.2	112.2	205.2	112.3	UL-RL	2.9452E+04	-10.80	0.000	1.000	1.000
112.2	0.000	0.000	Strato1_2_8_L_0									
56 D	22.83	3.4935E-04	209.0	114.2	209.0	114.2	UL-RL	2.9452E+04	-11.00	0.000	1.000	1.000
114.2	0.000	0.000	Strato1_2_8_L_0									
57 D	23.22	3.4153E-04	212.8	116.1	212.8	116.2	UL-RL	2.9452E+04	-11.20	0.000	1.000	1.000
116.1	0.000	0.000	Strato1_2_8_L_0									
58 D	23.61	3.3325E-04	216.6	118.0	216.6	118.1	UL-RL	2.9452E+04	-11.40	0.000	1.000	1.000
118.0	0.000	0.000	Strato1_2_8_L_0									
59 D	24.00	3.2451E-04	220.4	120.0	220.4	120.0	UL-RL	2.9452E+04	-11.60	0.000	1.000	1.000
120.0	0.000	0.000	Strato1_2_8_L_0									
60 D	24.38	3.1537E-04	224.2	121.9	224.2	121.9	UL-RL	2.9452E+04	-11.80	0.000	1.000	1.000
121.9	0.000	0.000	Strato1_2_8_L_0									
61 D	24.77	3.0585E-04	228.0	123.8	228.0	123.9	UL-RL	2.9452E+04	-12.00	0.000	1.000	1.000
123.8	0.000	0.000	Strato1_2_8_L_0									
62 D	25.15	2.9601E-04	231.8	125.7	231.8	125.8	UL-RL	2.9452E+04	-12.20	0.000	1.000	1.000
125.7	0.000	0.000	Strato1_2_8_L_0									
63 D	25.53	2.8591E-04	235.6	127.7	235.6	127.7	UL-RL	2.9452E+04	-12.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato1_2_8_L_0									
64 D	25.92	2.7562E-04	239.4	129.6	239.4	129.6	UL-RL	2.9452E+04	-12.60	0.000	1.000	1.000
129.6	0.000	0.000	Strato1_2_8_L_0									
65 D	26.30	2.6523E-04	243.2	131.5	243.2	131.5	UL-RL	2.9452E+04	-12.80	0.000	1.000	1.000
131.5	0.000	0.000	Strato1_2_8_L_0									
66 D	26.68	2.5483E-04	247.0	133.4	247.0	133.4	UL-RL	2.9452E+04	-13.00	0.000	1.000	1.000
133.4	0.000	0.000	Strato1_2_8_L_0									
67 D	26.15	2.4454E-04	250.9	130.7	250.9	130.8	UL-RL	6.5071E+04	-13.20	0.000	1.000	1.000
130.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.51	2.3449E-04	254.9	132.5	254.9	132.5	UL-RL	6.5071E+04	-13.40	0.000	1.000	1.000
132.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.86	2.2477E-04	258.9	134.3	258.9	134.3	UL-RL	6.5071E+04	-13.60	0.000	1.000	1.000
134.3	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.22	2.1546E-04	262.9	136.1	262.9	136.1	V-C	2.1690E+04	-13.80	0.000	1.000	1.000
136.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.59	2.0663E-04	266.9	137.9	266.9	137.9	V-C	2.1690E+04	-14.00	0.000	1.000	1.000
137.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.95	1.9830E-04	270.9	139.8	270.9	139.8	V-C	2.1690E+04	-14.20	0.000	1.000	1.000
139.8	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.32	1.9051E-04	274.9	141.6	274.9	141.6	V-C	2.1690E+04	-14.40	0.000	1.000	1.000
141.6	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.68	1.8326E-04	278.9	143.4	278.9	143.4	V-C	2.1690E+04	-14.60	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	29.06	1.7654E-04	282.9	145.3	282.9	145.3	V-C	2.1690E+04	-14.80	0.000	1.000	1.000
145.3	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.43	1.7034E-04	286.9	147.1	286.9	147.1	V-C	2.1690E+04	-15.00	0.000	1.000	1.000

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147.1       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.80      1.6463E-04  290.9       149.0       290.9       149.0            V-C  2.1690E+04  -15.20       0.000       1.000       1.000
149.0       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.18      1.5938E-04  294.9       150.9       294.9       150.9            V-C  2.1690E+04  -15.40       0.000       1.000       1.000
150.9       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.56      1.5455E-04  298.9       152.8       298.9       152.8            V-C  2.1690E+04  -15.60       0.000       1.000       1.000
152.8       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.94      1.5011E-04  302.9       154.7       302.9       154.7          UL-RL  6.5071E+04  -15.80       0.000       1.000       1.000
154.7       0.000       0.000     Strato2_3095_82743_L_0
  81 D   31.32      1.4601E-04  306.9       156.6       306.9       156.6          UL-RL  6.5071E+04  -16.00       0.000       1.000       1.000
156.6       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.71      1.4221E-04  310.9       158.5       310.9       158.5          UL-RL  6.5071E+04  -16.20       0.000       1.000       1.000
158.5       0.000       0.000     Strato2_3095_82743_L_0
  83 D   32.09      1.3866E-04  314.9       160.5       314.9       160.5          UL-RL  6.5071E+04  -16.40       0.000       1.000       1.000
160.5       0.000       0.000     Strato2_3095_82743_L_0
  84 D   32.48      1.3531E-04  318.9       162.4       318.9       162.4          UL-RL  6.5071E+04  -16.60       0.000       1.000       1.000
162.4       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.86      1.3213E-04  322.9       164.3       322.9       164.3          UL-RL  6.5071E+04  -16.80       0.000       1.000       1.000
164.3       0.000       0.000     Strato2_3095_82743_L_0
  86 D   33.25      1.2908E-04  326.9       166.2       326.9       166.3          UL-RL  6.5071E+04  -17.00       0.000       1.000       1.000
166.2       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.64      1.2612E-04  330.9       168.2       330.9       168.2          UL-RL  6.5071E+04  -17.20       0.000       1.000       1.000
168.2       0.000       0.000     Strato2_3095_82743_L_0
  88 D   34.02      1.2322E-04  334.9       170.1       334.9       170.1          UL-RL  6.5071E+04  -17.40       0.000       1.000       1.000
170.1       0.000       0.000     Strato2_3095_82743_L_0
  89 D   34.41      1.2036E-04  338.9       172.1       338.9       172.1          UL-RL  6.5071E+04  -17.60       0.000       1.000       1.000
172.1       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.80      1.1751E-04  342.9       174.0       342.9       174.0          UL-RL  6.5071E+04  -17.80       0.000       1.000       1.000
174.0       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.59      1.1467E-04  346.9       175.9       346.9       175.9          UL-RL  6.5071E+04  -18.00       0.000       1.000       1.000
175.9       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                                |
 |                                  Exe Time :29 July 2019      18:00:08                                                         |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.35082    -0.35082     2.77112E-13 7.01632E-02
     2-0.11171     0.11171    -7.01632E-02 4.78202E-02
     3 0.28429    -0.28429    -4.78202E-02 0.10468
     4 0.37566    -0.37566    -0.10468     0.17981
     5 0.81290    -0.81290    -0.17981     0.34239
     6 0.93800    -0.93800    -0.34239     0.52999
     7  1.2159     -1.2159    -0.52999     0.77317
     8  1.1970     -1.1970    -0.77317      1.0126
     9  1.1924     -1.1924     -1.0126      1.2510
    10 0.91143    -0.91143     -1.2510      1.4333
    11 0.67977    -0.67977     -1.4333      1.5693
    12 0.28180    -0.28180     -1.5693      1.6256
    13 0.14090    -0.14090     -1.6256      1.6538
    14-0.15143     0.15143     -1.6538      1.6235
    15-0.23041     0.23041     -1.6235      1.5775
    16-0.49395     0.49395     -1.5775      1.4787
    17-0.57347     0.57347     -1.4787      1.3640
    18-0.77954     0.77954     -1.3640      1.2081
    19-0.82695     0.82695     -1.2081      1.0427
    20-0.99289     0.99289     -1.0427     0.84409
    21 -1.0200      1.0200    -0.84409     0.64009
    22 -1.1586      1.1586    -0.64009     0.40838
    23 -1.1741      1.1741    -0.40838     0.17357
    24 -1.3244      1.3244    -0.17357    -9.13216E-02
    25 -1.3631      1.3631     9.13216E-02-0.36393
    26 -1.4994      1.4994     0.36393    -0.66381
    27 -1.5374      1.5374     0.66381    -0.97129
    28 -1.6620      1.6620     0.97129     -1.3037
    29 -1.6885      1.6885      1.3037     -1.6414
    30 -1.7974      1.7974      1.6414     -2.0009
    31 -1.8389      1.8389      2.0009     -2.3686
```

32	-1.9573	1.9573	2.3686	-2.7601
33	-1.9900	1.9900	2.7601	-3.1581
34	-2.0944	2.0944	3.1581	-3.5770
35	-2.1169	2.1169	3.5770	-4.0004
36	-2.2055	2.2055	4.0004	-4.4415
37	-2.2141	2.2141	4.4415	-4.8843
38	-2.2823	2.2823	4.8843	-5.3408
39	-2.2893	2.2893	5.3408	-5.7986
40	-2.3480	2.3480	5.7986	-6.2682
41	-2.3257	2.3257	6.2682	-6.7333
42	-2.3470	2.3470	6.7333	-7.2027
43	-2.2849	2.2849	7.2027	-7.6597
44	-2.2573	2.2573	7.6597	-8.1112
45	-2.1424	2.1424	8.1112	-8.5397
46	-2.0678	2.0678	8.5397	-8.9532
47	-1.9005	1.9005	8.9532	-9.3333
48	-1.7470	1.7470	9.3333	-9.6827
49	-1.4944	1.4944	9.6827	-9.9816
50	-1.2445	1.2445	9.9816	-10.230
51	-0.88828	0.88828	10.230	-10.408
52	-0.52301	0.52301	10.408	-10.513
53	-4.34901E-02	4.34901E-02	10.513	-10.521
54	0.44391	-0.44391	10.521	-10.433
55	1.0542	-1.0542	10.433	-10.222
56	1.6977	-1.6977	10.222	-9.8823
57	2.4724	-2.4724	9.8823	-9.3878
58	3.2917	-3.2917	9.3878	-8.7295
59	4.2500	-4.2500	8.7295	-7.8795
60	5.2632	-5.2632	7.8795	-6.8269
61	6.4103	-6.4103	6.8269	-5.5448
62	7.6212	-7.6212	5.5448	-4.0206
63	8.9824	-8.9824	4.0206	-2.2241
64	10.413	-10.413	2.2241	-0.14145
65	11.996	-11.996	0.14145	2.2577
66	13.651	-13.651	-2.2577	4.9879
67	10.832	-10.832	-4.9879	7.1542
68	8.2641	-8.2641	-7.1542	8.8071
69	6.0004	-6.0004	-8.8071	10.007
70	3.9676	-3.9676	-10.007	10.801
71	2.2226	-2.2226	-10.801	11.245
72	0.68249	-0.68249	-11.245	11.382
73	-0.60021	0.60021	-11.382	11.262
74	-1.7081	1.7081	-11.262	10.920
75	-2.5900	2.5900	-10.920	10.402
76	-3.3350	3.3350	-10.402	9.7350
77	-3.8834	3.8834	-9.7350	8.9584
78	-4.3123	4.3123	-8.9584	8.0959
79	-4.5707	4.5707	-8.0959	7.1818
80	-4.7318	4.7318	-7.1818	6.2354
81	-4.7439	4.7439	-6.2354	5.2866
82	-4.6163	4.6163	-5.2866	4.3634
83	-4.4158	4.4158	-4.3634	3.4802
84	-4.0975	4.0975	-3.4802	2.6607
85	-3.7162	3.7162	-2.6607	1.9174
86	-3.2179	3.2179	-1.9174	1.2739
87	-2.6623	2.6623	-1.2739	0.74140
88	-1.9948	1.9948	-0.74140	0.34243
89	-1.2722	1.2722	-0.34243	8.79944E-02
90	-0.43997	0.43997	-8.79944E-02	-2.75280E-13

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                Exe Time :29 July 2019      18:00:08                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:00:08                                                    |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7541E+05 RIMNOR= 6696.
           RENORM= 756.7     REMNOR=0.4454E-21 RATIO =0.1002     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.63     RMMAX = 11.38
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7541E+05 RDR   = 6696.
           RATIOT=0.1002     RATIOR= 0.000
           MAX UN= 7.627     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.8796E-10 IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7541E+05 RIMNOR= 6696.
           RENORM= 307.5     REMNOR=0.2649E-19 RATIO =0.6385E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.63     RMMAX = 11.38
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7541E+05 RDR   = 6696.
           RATIOT=0.6385E-01 RATIOR= 0.000
           MAX UN= 7.816     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1337E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7541E+05 RIMNOR= 6696.
           RENORM= 174.2     REMNOR=0.4430E-18 RATIO =0.4807E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.63     RMMAX = 11.38
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7541E+05 RDR   = 6696.
           RATIOT=0.4807E-01 RATIOR= 0.000
           MAX UN= 7.578     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.4094E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7541E+05 RIMNOR= 6696.
           RENORM= 6.714     REMNOR=0.2270E-18 RATIO =0.9436E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.63     RMMAX = 11.38
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7541E+05 RDR   = 6696.
           RATIOT=0.9436E-02 RATIOR= 0.000
           MAX UN= 2.153     IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           MIN UN=-.4428E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7541E+05 RIMNOR= 6696.
           RENORM=0.7057E-03 REMNOR=0.1829E-18 RATIO =0.9673E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 35.63     RMMAX = 11.38
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7541E+05 RDR   = 6696.
           RATIOT=0.9673E-04 RATIOR= 0.000
           MAX UN=0.2656E-01 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.3479E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   1.2275595E-02  -1.7398799E-03
    2   1.1927619E-02  -1.7398715E-03
    3   1.1579648E-02  -1.7398297E-03
    4   1.1231694E-02  -1.7396909E-03
    5   1.0883785E-02  -1.7393593E-03
    6   1.0535971E-02  -1.7387188E-03
    7   1.0188327E-02  -1.7376337E-03
    8   9.8409568E-03  -1.7359526E-03
    9   9.4939966E-03  -1.7335086E-03
   10   9.1476162E-03  -1.7301222E-03
   11   8.8020233E-03  -1.7256012E-03
   12   8.4574651E-03  -1.7197404E-03
   13   8.1142311E-03  -1.7123212E-03
   14   7.7726558E-03  -1.7031130E-03
   15   7.4331214E-03  -1.6918726E-03
   16   7.0960593E-03  -1.6783446E-03
   17   6.7619538E-03  -1.6622624E-03
   18   6.4313432E-03  -1.6433478E-03
   19   6.1048228E-03  -1.6213111E-03
   20   5.7830446E-03  -1.5958869E-03
   21   5.4667050E-03  -1.5669078E-03
   22   5.1565207E-03  -1.5343405E-03
   23   4.8532013E-03  -1.4982859E-03
   24   4.5574246E-03  -1.4589795E-03
   25   4.2698073E-03  -1.4167282E-03
   26   3.9909090E-03  -1.3718414E-03
   27   3.7212263E-03  -1.3246225E-03
   28   3.4611956E-03  -1.2753696E-03
   29   3.2111957E-03  -1.2243761E-03
   30   2.9715432E-03  -1.1719303E-03
   31   2.7425014E-03  -1.1183172E-03
   32   2.5242754E-03  -1.0638188E-03
   33   2.3170143E-03  -1.0087143E-03
   34   2.1208116E-03  -9.5328093E-04
   35   1.9357064E-03  -8.9779408E-04
   36   1.7616802E-03  -8.4252729E-04
   37   1.5986626E-03  -7.8775417E-04
   38   1.4465274E-03  -7.3374793E-04
   39   1.3050943E-03  -6.8077881E-04
   40   1.1741308E-03  -6.2909583E-04
   41   1.0533566E-03  -5.7891236E-04
   42   9.4245377E-04  -5.3040991E-04
   43   8.4107051E-04  -4.8373955E-04
   44   7.4882759E-04  -4.3902462E-04
   45   6.6532417E-04  -3.9636320E-04
   46   5.9013910E-04  -3.5582857E-04
   47   5.2284530E-04  -3.1747688E-04
   48   4.6300055E-04  -2.8134223E-04
   49   4.1015967E-04  -2.4744262E-04
   50   3.6387459E-04  -2.1578069E-04
   51   3.2369902E-04  -1.8634429E-04
   52   2.8919024E-04  -1.5910495E-04
   53   2.5991320E-04  -1.3402055E-04
   54   2.3544200E-04  -1.1103642E-04
   55   2.1536293E-04  -9.0087799E-05
   56   1.9927607E-04  -7.1101336E-05
   57   1.8679698E-04  -5.3996108E-05
   58   1.7755802E-04  -3.8684937E-05
   59   1.7120956E-04  -2.5075485E-05
   60   1.6742081E-04  -1.3071306E-05
   61   1.6588067E-04  -2.5726364E-06
   62   1.6629822E-04   6.5230001E-06
   63   1.6840333E-04   1.4320577E-05
   64   1.7194705E-04   2.0927231E-05
   65   1.7670209E-04   2.6451794E-05
   66   1.8246297E-04   3.1004311E-05
   67   1.8904640E-04   3.4695692E-05
   68   1.9629039E-04   3.7624256E-05
   69   2.0405088E-04   3.9874372E-05
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70	2.1220035E-04	4.1527645E-05
71	2.2062736E-04	4.2662385E-05
72	2.2923572E-04	4.3353332E-05
73	2.3794339E-04	4.3671258E-05
74	2.4668335E-04	4.3682633E-05
75	2.5540013E-04	4.3449262E-05
76	2.6405054E-04	4.3028105E-05
77	2.7260230E-04	4.2470875E-05
78	2.8103290E-04	4.1823872E-05
79	2.8932860E-04	4.1128111E-05
80	2.9748327E-04	4.0419219E-05
81	3.0549742E-04	3.9727404E-05
82	3.1337702E-04	3.9077409E-05
83	3.2113256E-04	3.8489933E-05
84	3.2877817E-04	3.7980188E-05
85	3.3633082E-04	3.7557689E-05
86	3.4380771E-04	3.7226356E-05
87	3.5122734E-04	3.6984577E-05
88	3.5860704E-04	3.6825331E-05
89	3.6596214E-04	3.6736154E-05
90	3.7330498E-04	3.6699166E-05
91	3.8064373E-04	3.6691064E-05

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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
 |                                  Exe Time :29 July 2019      18:00:08                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------
   1 D  0.3508     -1.2276E-02   11.54       3.508       11.54       6.116          ACTIVE   0.000       0.000       0.000       1.000       1.000
3.508       0.000       0.000     Strato1_2_8_L_0
   2 D  0.7077     -1.1928E-02   11.64       3.539       11.64       6.169          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
3.539       0.000       0.000     Strato1_2_8_L_0
   3 D   1.969     -1.1580E-02   32.39       9.846       32.39       17.17          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
9.846       0.000       0.000     Strato1_2_8_L_0
   4 D   2.068     -1.1232E-02   34.01       10.34       34.01       18.02          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
10.34       0.000       0.000     Strato1_2_8_L_0
   5 D   2.817     -1.0884E-02   46.33       14.08       46.33       24.55          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
14.08       0.000       0.000     Strato1_2_8_L_0
   6 D   2.908     -1.0536E-02   47.82       14.54       47.82       25.35          ACTIVE   0.000       -1.000      0.000       1.000       1.000
14.54       0.000       0.000     Strato1_2_8_L_0
   7 D   3.463     -1.0188E-02   56.96       17.32       56.96       30.19          ACTIVE   0.000       -1.200      0.000       1.000       1.000
17.32       0.000       0.000     Strato1_2_8_L_0
   8 D   3.570     -9.8410E-03   58.71       17.85       58.71       31.12          ACTIVE   0.000       -1.400      0.000       1.000       1.000
17.85       0.000       0.000     Strato1_2_8_L_0
   9 D   3.987     -9.4940E-03   65.58       19.94       65.58       34.76          ACTIVE   0.000       -1.600      0.000       1.000       1.000
19.94       0.000       0.000     Strato1_2_8_L_0
  10 D   4.114     -9.1476E-03   67.67       20.57       67.67       35.86          ACTIVE   0.000       -1.800      0.000       1.000       1.000
20.57       0.000       0.000     Strato1_2_8_L_0
  11 D   4.531     -8.8020E-03   74.52       22.65       74.52       39.49          ACTIVE   0.000       -2.000      0.000       1.000       1.000
22.65       0.000       0.000     Strato1_2_8_L_0
  12 D   4.669     -8.4575E-03   76.79       23.34       76.79       40.70          ACTIVE   0.000       -2.200      0.000       1.000       1.000
23.34       0.000       0.000     Strato1_2_8_L_0
  13 D   5.050     -8.1142E-03   83.06       25.25       83.06       44.02          ACTIVE   0.000       -2.400      0.000       1.000       1.000
25.25       0.000       0.000     Strato1_2_8_L_0
  14 D   5.197     -7.7727E-03   85.48       25.99       85.48       45.31          ACTIVE   0.000       -2.600      0.000       1.000       1.000
25.99       0.000       0.000     Strato1_2_8_L_0
  15 D   5.554     -7.4331E-03   91.36       27.77       91.36       48.42          ACTIVE   0.000       -2.800      0.000       1.000       1.000
27.77       0.000       0.000     Strato1_2_8_L_0
  16 D   5.684     -7.0961E-03   93.48       28.42       93.48       49.55          ACTIVE   0.000       -3.000      0.000       1.000       1.000
28.42       0.000       0.000     Strato1_2_8_L_0
  17 D   6.025     -6.7620E-03   99.09       30.12       99.09       52.52          ACTIVE   0.000       -3.200      0.000       1.000       1.000
30.12       0.000       0.000     Strato1_2_8_L_0
  18 D   6.188     -6.4313E-03   101.8       30.94       101.8       53.95          ACTIVE   0.000       -3.400      0.000       1.000       1.000
30.94       0.000       0.000     Strato1_2_8_L_0
```

19 D	6.516	-6.1048E-03	107.2	32.58	107.2	56.80	ACTIVE	0.000	-3.600	0.000	1.000	1.000
32.58	0.000	0.000	Strato1_2_8_L_0									
20 D	6.685	-5.7830E-03	109.9	33.42	109.9	58.27	ACTIVE	0.000	-3.800	0.000	1.000	1.000
33.42	0.000	0.000	Strato1_2_8_L_0									
21 D	7.001	-5.4667E-03	115.2	35.01	115.2	61.03	ACTIVE	0.000	-4.000	0.000	1.000	1.000
35.01	0.000	0.000	Strato1_2_8_L_0									
22 D	7.175	-5.1565E-03	118.0	35.87	118.0	62.54	ACTIVE	0.000	-4.200	0.000	1.000	1.000
35.87	0.000	0.000	Strato1_2_8_L_0									
23 D	7.483	-4.8532E-03	123.1	37.42	123.1	65.23	ACTIVE	0.000	-4.400	0.000	1.000	1.000
37.42	0.000	0.000	Strato1_2_8_L_0									
24 D	7.643	-4.5574E-03	125.7	38.22	125.7	66.63	ACTIVE	0.000	-4.600	0.000	1.000	1.000
38.22	0.000	0.000	Strato1_2_8_L_0									
25 D	7.945	-4.2698E-03	130.7	39.73	130.7	69.26	ACTIVE	0.000	-4.800	0.000	1.000	1.000
39.73	0.000	0.000	Strato1_2_8_L_0									
26 D	8.127	-3.9909E-03	133.7	40.63	133.7	70.84	ACTIVE	0.000	-5.000	0.000	1.000	1.000
40.63	0.000	0.000	Strato1_2_8_L_0									
27 D	8.422	-3.7212E-03	138.5	42.11	138.5	73.42	ACTIVE	0.000	-5.200	0.000	1.000	1.000
42.11	0.000	0.000	Strato1_2_8_L_0									
28 D	8.607	-3.4612E-03	141.6	43.04	141.6	75.03	ACTIVE	0.000	-5.400	0.000	1.000	1.000
43.04	0.000	0.000	Strato1_2_8_L_0									
29 D	8.898	-3.2112E-03	146.3	44.49	146.3	77.56	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.49	0.000	0.000	Strato1_2_8_L_0									
30 D	9.085	-2.9715E-03	149.4	45.43	149.4	79.20	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.43	0.000	0.000	Strato1_2_8_L_0									
31 D	9.358	-2.7425E-03	153.9	46.79	153.9	81.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.79	0.000	0.000	Strato1_2_8_L_0									
32 D	9.548	-2.5243E-03	157.0	47.74	157.0	83.23	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.74	0.000	0.000	Strato1_2_8_L_0									
33 D	9.831	-2.3170E-03	161.7	49.16	161.7	85.70	ACTIVE	0.000	-6.400	0.000	1.000	1.000
49.16	0.000	0.000	Strato1_2_8_L_0									
34 D	10.02	-2.1208E-03	164.9	50.12	164.9	87.37	ACTIVE	0.000	-6.600	0.000	1.000	1.000
50.12	0.000	0.000	Strato1_2_8_L_0									
35 D	10.30	-1.9357E-03	169.5	51.52	169.5	89.81	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.52	0.000	0.000	Strato1_2_8_L_0									
36 D	10.50	-1.7617E-03	172.6	52.49	172.6	91.50	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.49	0.000	0.000	Strato1_2_8_L_0									
37 D	10.77	-1.5987E-03	177.2	53.87	177.2	93.92	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.87	0.000	0.000	Strato1_2_8_L_0									
38 D	11.11	-1.4465E-03	180.4	55.55	180.4	95.62	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
55.55	0.000	0.000	Strato1_2_8_L_0									
39 D	12.19	-1.3051E-03	184.8	60.94	184.8	97.92	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
60.94	0.000	0.000	Strato1_2_8_L_0									
40 D	13.11	-1.1741E-03	188.0	65.53	188.0	99.64	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
65.53	0.000	0.000	Strato1_2_8_L_0									
41 D	14.11	-1.0534E-03	192.5	70.56	192.5	102.0	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
70.56	0.000	0.000	Strato1_2_8_L_0									
42 D	14.95	-9.4245E-04	195.8	74.74	195.8	103.7	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
74.74	0.000	0.000	Strato1_2_8_L_0									
43 D	15.87	-8.4107E-04	200.2	79.34	200.2	106.1	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
79.34	0.000	0.000	Strato1_2_8_L_0									
44 D	16.63	-7.4883E-04	203.5	83.14	203.5	107.8	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
83.14	0.000	0.000	Strato1_2_8_L_0									
45 D	17.47	-6.6532E-04	207.9	87.35	207.9	110.2	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
87.35	0.000	0.000	Strato1_2_8_L_0									
46 D	18.14	-5.9014E-04	211.1	90.72	211.1	111.9	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
90.72	0.000	0.000	Strato1_2_8_L_0									
47 D	18.92	-5.2285E-04	215.4	94.58	215.4	114.2	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.58	0.000	0.000	Strato1_2_8_L_0									
48 D	19.54	-4.6300E-04	218.8	97.72	218.8	116.0	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.72	0.000	0.000	Strato1_2_8_L_0									
49 D	20.25	-4.1016E-04	223.1	101.3	223.1	118.3	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
101.3	0.000	0.000	Strato1_2_8_L_0									
50 D	20.83	-3.6387E-04	226.5	104.1	226.5	120.0	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
104.1	0.000	0.000	Strato1_2_8_L_0									
51 D	21.48	-3.2370E-04	230.8	107.4	230.8	122.3	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
107.4	0.000	0.000	Strato1_2_8_L_0									
52 D	22.01	-2.8919E-04	234.2	110.1	234.2	124.1	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
110.1	0.000	0.000	Strato1_2_8_L_0									
53 D	22.62	-2.5991E-04	238.5	113.1	238.5	126.4	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
113.1	0.000	0.000	Strato1_2_8_L_0									
54 D	23.10	-2.3544E-04	241.8	115.5	241.8	128.1	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
115.5	0.000	0.000	Strato1_2_8_L_0									
55 D	23.67	-2.1536E-04	246.1	118.4	246.1	130.4	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
56 D	24.13	-1.9928E-04	249.5	120.7	249.5	132.2	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
120.7	0.000	0.000	Strato1_2_8_L_0									
57 D	24.67	-1.8680E-04	253.7	123.4	253.7	134.5	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
123.4	0.000	0.000	Strato1_2_8_L_0									
58 D	25.11	-1.7756E-04	257.1	125.5	257.1	136.3	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
125.5	0.000	0.000	Strato1_2_8_L_0									
59 D	25.62	-1.7121E-04	261.4	128.1	261.4	138.5	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
128.1	0.000	0.000	Strato1_2_8_L_0									
60 D	26.04	-1.6742E-04	264.8	130.2	264.8	140.4	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
130.2	0.000	0.000	Strato1_2_8_L_0									
61 D	26.52	-1.6588E-04	269.0	132.6	269.0	142.5	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000

132.6	0.000	0.000	Strato1_2_8_L_0									
62 D	26.93	-1.6630E-04	272.4	134.6	272.4	144.4	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
134.6	0.000	0.000	Strato1_2_8_L_0									
63 D	27.41	-1.6840E-04	276.6	137.0	276.6	146.6	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
137.0	0.000	0.000	Strato1_2_8_L_0									
64 D	27.80	-1.7195E-04	280.1	139.0	280.1	148.4	UL-RL	2.1827E+04	-12.60	0.000	1.000	1.000
139.0	0.000	0.000	Strato1_2_8_L_0									
65 D	28.27	-1.7670E-04	284.3	141.3	284.3	150.7	UL-RL	2.1827E+04	-12.80	0.000	1.000	1.000
141.3	0.000	0.000	Strato1_2_8_L_0									
66 D	28.65	-1.8246E-04	287.7	143.3	287.7	152.5	UL-RL	2.1827E+04	-13.00	0.000	1.000	1.000
143.3	0.000	0.000	Strato1_2_8_L_0									
67 D	24.02	-1.8905E-04	292.0	120.1	292.0	146.0	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
120.1	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.41	-1.9629E-04	295.7	122.1	295.7	147.8	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
122.1	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.86	-2.0405E-04	300.0	124.3	300.0	150.0	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
124.3	0.000	0.000	Strato2_3095_82743_L_0									
70 D	25.23	-2.1220E-04	303.7	126.2	303.7	151.8	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
126.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.67	-2.2063E-04	308.0	128.3	308.0	154.0	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
128.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	26.03	-2.2924E-04	311.7	130.1	311.7	155.9	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
130.1	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.45	-2.3794E-04	316.1	132.2	316.1	158.0	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
132.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.79	-2.4668E-04	319.8	134.0	319.8	159.9	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
134.0	0.000	0.000	Strato2_3095_82743_L_0									
75 D	27.20	-2.5540E-04	324.1	136.0	324.1	162.1	UL-RL	6.1746E+04	-14.80	0.000	1.000	1.000
136.0	0.000	0.000	Strato2_3095_82743_L_0									
76 D	27.53	-2.6405E-04	327.7	137.6	327.7	163.9	UL-RL	6.1746E+04	-15.00	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.92	-2.7260E-04	332.1	139.6	332.1	166.0	UL-RL	6.1746E+04	-15.20	0.000	1.000	1.000
139.6	0.000	0.000	Strato2_3095_82743_L_0									
78 D	28.25	-2.8103E-04	335.8	141.3	335.8	167.9	UL-RL	6.1746E+04	-15.40	0.000	1.000	1.000
141.3	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.64	-2.8933E-04	340.1	143.2	340.1	170.1	UL-RL	6.1746E+04	-15.60	0.000	1.000	1.000
143.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.96	-2.9748E-04	343.8	144.8	343.8	171.9	UL-RL	6.1746E+04	-15.80	0.000	1.000	1.000
144.8	0.000	0.000	Strato2_3095_82743_L_0									
81 D	29.34	-3.0550E-04	348.2	146.7	348.2	174.1	UL-RL	6.1746E+04	-16.00	0.000	1.000	1.000
146.7	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.72	-3.1338E-04	352.5	148.6	352.5	176.2	UL-RL	6.1746E+04	-16.20	0.000	1.000	1.000
148.6	0.000	0.000	Strato2_3095_82743_L_0									
83 D	30.04	-3.2113E-04	356.2	150.2	356.2	178.1	UL-RL	6.1746E+04	-16.40	0.000	1.000	1.000
150.2	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.41	-3.2878E-04	360.4	152.0	360.4	180.2	UL-RL	6.1746E+04	-16.60	0.000	1.000	1.000
152.0	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.72	-3.3633E-04	364.2	153.6	364.2	182.1	UL-RL	6.1746E+04	-16.80	0.000	1.000	1.000
153.6	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.10	-3.4381E-04	368.5	155.5	368.5	184.2	UL-RL	6.1746E+04	-17.00	0.000	1.000	1.000
155.5	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.41	-3.5123E-04	372.2	157.1	372.2	186.1	UL-RL	6.1746E+04	-17.20	0.000	1.000	1.000
157.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.79	-3.5861E-04	376.5	158.9	376.5	188.3	UL-RL	6.1746E+04	-17.40	0.000	1.000	1.000
158.9	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.10	-3.6596E-04	380.2	160.5	380.2	190.1	UL-RL	6.1746E+04	-17.60	0.000	1.000	1.000
160.5	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.47	-3.7330E-04	384.5	162.4	384.5	192.3	UL-RL	6.1746E+04	-17.80	0.000	1.000	1.000
162.4	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.39	-3.8064E-04	388.2	163.9	388.2	194.1	UL-RL	6.1746E+04	-18.00	0.000	1.000	1.000
163.9	0.000	0.000	Strato2_3095_82743_L_0									

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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
 |                                  Exe Time :29 July 2019      18:00:08                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
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Peq	Su_a	Su_p	LAYER								
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19 D	1.536	6.1048E-03	1.900	7.678	68.40	40.16	PASSIVE	0.000	-3.600	0.000	1.000	1.000
7.678	0.000	0.000	Strato1_2_8_L_0									
20 D	4.607	5.7830E-03	5.700	23.03	72.20	42.18	PASSIVE	0.000	-3.800	0.000	1.000	1.000
23.03	0.000	0.000	Strato1_2_8_L_0									
21 D	7.678	5.4667E-03	9.500	38.39	76.00	44.20	PASSIVE	0.000	-4.000	0.000	1.000	1.000
38.39	0.000	0.000	Strato1_2_8_L_0									
22 D	10.75	5.1565E-03	13.30	53.75	79.80	53.75	PASSIVE	0.000	-4.200	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0									
23 D	13.82	4.8532E-03	17.10	69.10	83.60	69.10	PASSIVE	0.000	-4.400	0.000	1.000	1.000
69.10	0.000	0.000	Strato1_2_8_L_0									
24 D	14.25	4.5574E-03	20.90	71.25	87.40	71.25	V-C	5049.	-4.600	0.000	1.000	1.000
71.25	0.000	0.000	Strato1_2_8_L_0									
25 D	14.36	4.2698E-03	24.70	71.82	91.20	71.82	V-C	5049.	-4.800	0.000	1.000	1.000
71.82	0.000	0.000	Strato1_2_8_L_0									
26 D	14.49	3.9909E-03	28.50	72.43	95.00	72.43	V-C	5049.	-5.000	0.000	1.000	1.000
72.43	0.000	0.000	Strato1_2_8_L_0									
27 D	14.62	3.7212E-03	32.30	73.09	98.80	73.09	V-C	5049.	-5.200	0.000	1.000	1.000
73.09	0.000	0.000	Strato1_2_8_L_0									
28 D	14.76	3.4612E-03	36.10	73.80	102.6	73.80	V-C	5049.	-5.400	0.000	1.000	1.000
73.80	0.000	0.000	Strato1_2_8_L_0									
29 D	14.91	3.2112E-03	39.90	74.55	106.4	74.55	V-C	5049.	-5.600	0.000	1.000	1.000
74.55	0.000	0.000	Strato1_2_8_L_0									
30 D	15.07	2.9715E-03	43.70	75.36	110.2	75.36	V-C	5049.	-5.800	0.000	1.000	1.000
75.36	0.000	0.000	Strato1_2_8_L_0									
31 D	15.24	2.7425E-03	47.50	76.22	114.0	76.22	V-C	5049.	-6.000	0.000	1.000	1.000
76.22	0.000	0.000	Strato1_2_8_L_0									
32 D	15.43	2.5243E-03	51.30	77.14	117.8	77.14	V-C	5049.	-6.200	0.000	1.000	1.000
77.14	0.000	0.000	Strato1_2_8_L_0									
33 D	15.62	2.3170E-03	55.10	78.11	121.6	78.11	V-C	5049.	-6.400	0.000	1.000	1.000
78.11	0.000	0.000	Strato1_2_8_L_0									
34 D	15.83	2.1208E-03	58.90	79.13	125.4	79.13	V-C	5049.	-6.600	0.000	1.000	1.000
79.13	0.000	0.000	Strato1_2_8_L_0									
35 D	16.04	1.9357E-03	62.70	80.22	129.2	80.22	V-C	5049.	-6.800	0.000	1.000	1.000
80.22	0.000	0.000	Strato1_2_8_L_0									
36 D	16.27	1.7617E-03	66.50	81.35	133.0	81.35	V-C	5049.	-7.000	0.000	1.000	1.000
81.35	0.000	0.000	Strato1_2_8_L_0									
37 D	16.51	1.5987E-03	70.30	82.54	136.8	82.54	V-C	5049.	-7.200	0.000	1.000	1.000
82.54	0.000	0.000	Strato1_2_8_L_0									
38 D	16.76	1.4465E-03	74.10	83.79	140.6	83.79	V-C	5049.	-7.400	0.000	1.000	1.000
83.79	0.000	0.000	Strato1_2_8_L_0									
39 D	17.02	1.3051E-03	77.90	85.09	144.4	85.09	V-C	5049.	-7.600	0.000	1.000	1.000
85.09	0.000	0.000	Strato1_2_8_L_0									
40 D	17.29	1.1741E-03	81.70	86.44	148.2	86.44	V-C	5049.	-7.800	0.000	1.000	1.000
86.44	0.000	0.000	Strato1_2_8_L_0									
41 D	17.57	1.0534E-03	85.50	87.84	152.0	87.84	V-C	5049.	-8.000	0.000	1.000	1.000
87.84	0.000	0.000	Strato1_2_8_L_0									

42 D	17.86	9.4245E-04	89.30	89.28	155.8	89.28	V-C	5049.	-8.200	0.000	1.000	1.000	
89.28	0.000	0.000	Strato1_2_8_L_0										
43 D	18.16	8.4107E-04	93.10	90.78	159.6	90.78	V-C	5049.	-8.400	0.000	1.000	1.000	
90.78	0.000	0.000	Strato1_2_8_L_0										
44 D	18.46	7.4883E-04	96.90	92.32	163.4	92.32	V-C	5049.	-8.600	0.000	1.000	1.000	
92.32	0.000	0.000	Strato1_2_8_L_0										
45 D	18.78	6.6532E-04	100.7	93.90	167.2	93.90	V-C	5049.	-8.800	0.000	1.000	1.000	
93.90	0.000	0.000	Strato1_2_8_L_0										
46 D	19.10	5.9014E-04	104.5	95.52	171.0	95.52	V-C	5049.	-9.000	0.000	1.000	1.000	
95.52	0.000	0.000	Strato1_2_8_L_0										
47 D	19.44	5.2285E-04	108.3	97.18	174.8	97.18	V-C	5049.	-9.200	0.000	1.000	1.000	
97.18	0.000	0.000	Strato1_2_8_L_0										
48 D	19.78	4.6300E-04	112.1	98.88	178.6	98.88	V-C	5049.	-9.400	0.000	1.000	1.000	
98.88	0.000	0.000	Strato1_2_8_L_0										
49 D	20.12	4.1016E-04	115.9	100.6	182.4	100.6	V-C	5049.	-9.600	0.000	1.000	1.000	
100.6	0.000	0.000	Strato1_2_8_L_0										
50 D	20.42	3.6387E-04	119.7	102.1	186.2	102.5	UL-RL	1.5147E+04	-9.800	0.000	1.000	1.000	
102.1	0.000	0.000	Strato1_2_8_L_0										
51 D	20.70	3.2370E-04	123.5	103.5	190.0	104.5	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	
103.5	0.000	0.000	Strato1_2_8_L_0										
52 D	21.01	2.8919E-04	127.3	105.0	193.8	106.4	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	
105.0	0.000	0.000	Strato1_2_8_L_0										
53 D	21.33	2.5991E-04	131.1	106.6	197.6	108.4	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000	
106.6	0.000	0.000	Strato1_2_8_L_0										
54 D	21.67	2.3544E-04	134.9	108.3	201.4	110.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000	
108.3	0.000	0.000	Strato1_2_8_L_0										
55 D	22.02	2.1536E-04	138.7	110.1	205.2	112.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000	
110.1	0.000	0.000	Strato1_2_8_L_0										
56 D	22.38	1.9928E-04	142.5	111.9	209.0	114.2	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000	
111.9	0.000	0.000	Strato1_2_8_L_0										
57 D	22.75	1.8680E-04	146.3	113.8	212.8	116.2	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000	
113.8	0.000	0.000	Strato1_2_8_L_0										
58 D	23.14	1.7756E-04	150.1	115.7	216.6	118.1	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000	
115.7	0.000	0.000	Strato1_2_8_L_0										
59 D	23.53	1.7121E-04	153.9	117.7	220.4	120.0	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000	
117.7	0.000	0.000	Strato1_2_8_L_0										
60 D	23.93	1.6742E-04	157.7	119.6	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000	
119.6	0.000	0.000	Strato1_2_8_L_0										
61 D	24.32	1.6588E-04	161.5	121.6	228.0	123.9	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000	
121.6	0.000	0.000	Strato1_2_8_L_0										
62 D	24.71	1.6630E-04	165.3	123.6	231.8	125.9	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000	
123.6	0.000	0.000	Strato1_2_8_L_0										
63 D	25.11	1.6840E-04	169.1	125.5	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000	
125.5	0.000	0.000	Strato1_2_8_L_0										
64 D	25.51	1.7195E-04	172.9	127.6	239.4	129.8	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000	
127.6	0.000	0.000	Strato1_2_8_L_0										
65 D	25.92	1.7670E-04	176.7	129.6	243.2	131.8	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000	
129.6	0.000	0.000	Strato1_2_8_L_0										
66 D	26.33	1.8246E-04	180.5	131.6	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000	
131.6	0.000	0.000	Strato1_2_8_L_0										
67 D	22.20	1.8905E-04	184.4	111.0	250.9	130.8	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000	
111.0	0.000	0.000	Strato2_3095_82743_L_0										
68 D	22.68	1.9629E-04	188.4	113.4	254.9	132.5	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000	
113.4	0.000	0.000	Strato2_3095_82743_L_0										
69 D	23.15	2.0405E-04	192.4	115.8	258.9	134.3	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000	
115.8	0.000	0.000	Strato2_3095_82743_L_0										
70 D	23.64	2.1220E-04	196.4	118.2	262.9	136.1	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000	
118.2	0.000	0.000	Strato2_3095_82743_L_0										
71 D	24.12	2.2063E-04	200.4	120.6	266.9	137.9	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000	
120.6	0.000	0.000	Strato2_3095_82743_L_0										
72 D	24.60	2.2924E-04	204.4	123.0	270.9	139.8	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000	
123.0	0.000	0.000	Strato2_3095_82743_L_0										
73 D	25.08	2.3794E-04	208.4	125.4	274.9	141.6	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000	
125.4	0.000	0.000	Strato2_3095_82743_L_0										
74 D	25.56	2.4668E-04	212.4	127.8	278.9	143.4	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000	
127.8	0.000	0.000	Strato2_3095_82743_L_0										
75 D	26.04	2.5540E-04	216.4	130.2	282.9	145.3	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000	
130.2	0.000	0.000	Strato2_3095_82743_L_0										
76 D	26.51	2.6405E-04	220.4	132.6	286.9	147.1	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000	
132.6	0.000	0.000	Strato2_3095_82743_L_0										
77 D	26.99	2.7260E-04	224.4	134.9	290.9	149.0	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000	
134.9	0.000	0.000	Strato2_3095_82743_L_0										
78 D	27.46	2.8103E-04	228.4	137.3	294.9	150.9	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000	
137.3	0.000	0.000	Strato2_3095_82743_L_0										
79 D	27.93	2.8933E-04	232.4	139.6	298.9	152.8	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000	
139.6	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.40	2.9748E-04	236.4	142.0	302.9	154.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000	
142.0	0.000	0.000	Strato2_3095_82743_L_0										
81 D	28.86	3.0550E-04	240.4	144.3	306.9	156.6	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000	
144.3	0.000	0.000	Strato2_3095_82743_L_0										
82 D	29.33	3.1338E-04	244.4	146.6	310.9	158.5	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000	
146.6	0.000	0.000	Strato2_3095_82743_L_0										
83 D	29.79	3.2113E-04	248.4	149.0	314.9	160.5	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000	
149.0	0.000	0.000	Strato2_3095_82743_L_0										
84 D	30.25	3.2878E-04	252.4	151.3	318.9	162.4	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000	

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151.3       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.71      3.3633E-04   256.4       153.6       322.9       164.3          UL-RL  3.3465E+04  -16.80       0.000       1.000       1.000
153.6       0.000       0.000     Strato2_3095_82743_L_0
  86 D   31.17      3.4381E-04   260.4       155.9       326.9       166.3          UL-RL  3.3465E+04  -17.00       0.000       1.000       1.000
155.9       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.63      3.5123E-04   264.4       158.2       330.9       168.2          UL-RL  3.3465E+04  -17.20       0.000       1.000       1.000
158.2       0.000       0.000     Strato2_3095_82743_L_0
  88 D   32.09      3.5861E-04   268.4       160.5       334.9       170.1          UL-RL  3.3465E+04  -17.40       0.000       1.000       1.000
160.5       0.000       0.000     Strato2_3095_82743_L_0
  89 D   32.55      3.6596E-04   272.4       162.7       338.9       172.1          UL-RL  3.3465E+04  -17.60       0.000       1.000       1.000
162.7       0.000       0.000     Strato2_3095_82743_L_0
  90 D   33.01      3.7330E-04   276.4       165.0       342.9       174.0          UL-RL  3.3465E+04  -17.80       0.000       1.000       1.000
165.0       0.000       0.000     Strato2_3095_82743_L_0
  91 D   16.73      3.8064E-04   280.4       167.3       346.9       175.9          UL-RL  3.3465E+04  -18.00       0.000       1.000       1.000
167.3       0.000       0.000     Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                    Exe Time :29 July 2019      18:00:08                                                       |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 0.35082    -0.35082    -3.94280E-11 7.01632E-02
    2  1.0585     -1.0585    -7.01632E-02 0.28187
    3  3.0278     -3.0278    -0.28187     0.88744
    4  5.0955     -5.0955    -0.88744      1.9065
    5  7.9121     -7.9121     -1.9065      3.4890
    6  10.820     -10.820     -3.4890      5.6529
    7  14.283     -14.283     -5.6529      8.5095
    8  17.853     -17.853     -8.5095      12.080
    9  21.840     -21.840     -12.080      16.448
   10  25.955     -25.955     -16.448      21.639
   11  30.485     -30.485     -21.639      27.736
   12  35.154     -35.154     -27.736      34.767
   13  40.204     -40.204     -34.767      42.808
   14  45.401     -45.401     -42.808      51.888
   15  50.955     -50.955     -51.888      62.079
   16  56.639     -56.639     -62.079      73.406
   17  62.664     -62.664     -73.406      85.939
   18  68.852     -68.852     -85.939      99.710
   19  73.833     -73.833     -99.710      114.48
   20  75.911     -75.911     -114.48      129.66
   21  75.234     -75.234     -129.66      144.71
   22  71.660     -71.660     -144.71      159.04
   23  65.323     -65.323     -159.04      172.10
   24  58.716     -58.716     -172.10      183.84
   25  52.296     -52.296     -183.84      194.30
   26  45.937     -45.937     -194.30      203.49
   27  39.741     -39.741     -203.49      211.44
   28  33.589     -33.589     -211.44      218.16
   29  27.577     -27.577     -218.16      223.67
   30  21.590     -21.590     -223.67      227.99
   31  15.703     -15.703     -227.99      231.13
   32  9.8238     -9.8238     -231.13      233.10
   33  4.0332     -4.0332     -233.10      233.90
   34 -1.7704      1.7704     -233.90      233.55
   35 -7.5106      7.5106     -233.55      232.05
   36 -13.284      13.284     -232.05      229.39
   37 -19.019      19.019     -229.39      225.59
   38 -24.668      24.668     -225.59      220.65
   39 -29.497      29.497     -220.65      214.75
   40 -33.677      33.677     -214.75      208.02
   41 -37.132      37.132     -208.02      200.59
   42 -40.040      40.040     -200.59      192.58
   43 -42.328      42.328     -192.58      184.12
   44 -44.163      44.163     -184.12      175.29
   45 -45.474      45.474     -175.29      166.19
   46 -46.433      46.433     -166.19      156.90
   47 -46.954      46.954     -156.90      147.51
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48	-47.185	47.185	-147.51	138.08
49	-47.079	47.079	-138.08	128.66
50	-46.666	46.666	-128.66	119.33
51	-45.886	45.886	-119.33	110.15
52	-44.880	44.880	-110.15	101.17
53	-43.588	43.588	-101.17	92.456
54	-42.153	42.153	-92.456	84.026
55	-40.498	40.498	-84.026	75.926
56	-38.745	38.745	-75.926	68.177
57	-36.826	36.826	-68.177	60.812
58	-34.855	34.855	-60.812	53.841
59	-32.763	32.763	-53.841	47.288
60	-30.653	30.653	-47.288	41.158
61	-28.447	28.447	-41.158	35.468
62	-26.231	26.231	-35.468	30.222
63	-23.934	23.934	-30.222	25.436
64	-21.647	21.647	-25.436	21.106
65	-19.298	19.298	-21.106	17.247
66	-16.975	16.975	-17.247	13.852
67	-15.157	15.157	-13.852	10.820
68	-13.421	13.421	-10.820	8.1359
69	-11.719	11.719	-8.1359	5.7921
70	-10.123	10.123	-5.7921	3.7675
71	-8.5710	8.5710	-3.7675	2.0534
72	-7.1414	7.1414	-2.0534	0.62515
73	-5.7724	5.7724	-0.62515	-0.52932
74	-4.5369	4.5369	0.52932	-1.4367
75	-3.3731	3.3731	1.4367	-2.1113
76	-2.3587	2.3587	2.1113	-2.5831
77	-1.4227	1.4227	2.5831	-2.8676
78	-0.63109	0.63109	2.8676	-2.9938
79	7.79777E-02	-7.79777E-02	2.9938	-2.9782
80	0.64139	-0.64139	2.9782	-2.8500
81	1.1202	-1.1202	2.8500	-2.6259
82	1.5132	-1.5132	2.6259	-2.3233
83	1.7611	-1.7611	2.3233	-1.9711
84	1.9147	-1.9147	1.9711	-1.5881
85	1.9244	-1.9244	1.5881	-1.2032
86	1.8479	-1.8479	1.2032	-0.83364
87	1.6286	-1.6286	0.83364	-0.50793
88	1.3229	-1.3229	0.50793	-0.24335
89	0.87546	-0.87546	0.24335	-6.82552E-02
90	0.34128	-0.34128	6.82552E-02	5.70266E-13

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:00:08

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 3.0000

POST-TENSION 2D-BOUNDARY ELEMENT

EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:00:08

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 5

Tirante2_1507 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 3.0000

```
 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2970E+06 RIMNOR=0.2577E+07
           RENORM=0.1852E+05 REMNOR=0.1829E-18 RATIO =0.2497     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 233.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2970E+06 RDR   =0.2577E+07
           RATIOT=0.2497     RATIOR= 0.000
           MAX UN=0.2656E-01 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-136.1     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2970E+06 RIMNOR=0.2577E+07
           RENORM= 22.17     REMNOR=0.1465E-18 RATIO =0.8639E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 233.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2970E+06 RDR   =0.2577E+07
           RATIOT=0.8639E-02 RATIOR= 0.000
           MAX UN=0.1185E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-2.430     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2970E+06 RIMNOR=0.2577E+07
           RENORM=0.4902     REMNOR=0.1603E-18 RATIO =0.1285E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 233.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2970E+06 RDR   =0.2577E+07
           RATIOT=0.1285E-02 RATIOR= 0.000
           MAX UN=0.4440E-01 IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.5716     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2970E+06 RIMNOR=0.2577E+07
           RENORM=0.2880E-16 REMNOR=0.1680E-18 RATIO =0.9847E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 233.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2970E+06 RDR   =0.2577E+07
           RATIOT=0.9847E-11 RATIOR= 0.000
           MAX UN=0.1796E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.2389E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                   |
|                                  Exe Time :29 July 2019      18:00:08                                             |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   1.0718516E-02  -1.6133229E-03
    2   1.0395854E-02  -1.6132836E-03
    3   1.0073213E-02  -1.6130875E-03
    4   9.7506430E-03  -1.6125346E-03
    5   9.4282396E-03  -1.6113785E-03
    6   9.1061502E-03  -1.6093442E-03
    7   8.7845807E-03  -1.6061288E-03
    8   8.4637990E-03  -1.6014082E-03
    9   8.1441408E-03  -1.5948367E-03
   10   7.8260119E-03  -1.5860516E-03
   11   7.5098930E-03  -1.5746731E-03
```

12	7.1963421E-03	-1.5603040E-03
13	6.8859985E-03	-1.5425293E-03
14	6.5795861E-03	-1.5209180E-03
15	6.2779169E-03	-1.4950227E-03
16	5.9818935E-03	-1.4643805E-03
17	5.6922976E-03	-1.4317449E-03
18	5.4091458E-03	-1.3998558E-03
19	5.1323391E-03	-1.3682096E-03
20	4.8618795E-03	-1.3363005E-03
21	4.5978673E-03	-1.3036649E-03
22	4.3404851E-03	-1.2699552E-03
23	4.0899698E-03	-1.2349765E-03
24	3.8465831E-03	-1.1986872E-03
25	3.6105803E-03	-1.1611352E-03
26	3.3822086E-03	-1.1223896E-03
27	3.1616987E-03	-1.0825311E-03
28	2.9492641E-03	-1.0416527E-03
29	2.7450996E-03	-9.9985970E-04
30	2.5493745E-03	-9.5726869E-04
31	2.3622367E-03	-9.1400885E-04
32	2.1838061E-03	-8.7022118E-04
33	2.0141732E-03	-8.2605849E-04
34	1.8533968E-03	-7.8168488E-04
35	1.7015024E-03	-7.3727571E-04
36	1.5584773E-03	-6.9301654E-04
37	1.4242727E-03	-6.4910413E-04
38	1.2987987E-03	-6.0574540E-04
39	1.1819234E-03	-5.6315406E-04
40	1.0734730E-03	-5.2153150E-04
41	9.7323511E-04	-4.8105190E-04
42	8.8096610E-04	-4.4186499E-04
43	7.9639452E-04	-4.0409698E-04
44	7.1922573E-04	-3.6785257E-04
45	6.4914659E-04	-3.3321676E-04
46	5.8582622E-04	-3.0025505E-04
47	5.2892788E-04	-2.6901958E-04
48	4.7810102E-04	-2.3954468E-04
49	4.3299148E-04	-2.1185100E-04
50	3.9324164E-04	-1.8594546E-04
51	3.5849441E-04	-1.6182325E-04
52	3.2839445E-04	-1.3946715E-04
53	3.0259160E-04	-1.1884799E-04
54	2.8074215E-04	-9.9925459E-05
55	2.6251159E-04	-8.2650275E-05
56	2.4757602E-04	-6.6965308E-05
57	2.3562373E-04	-5.2806391E-05
58	2.2635640E-04	-4.0103398E-05
59	2.1949033E-04	-2.8781127E-05
60	2.1475720E-04	-1.8760177E-05
61	2.1190503E-04	-9.9575699E-06
62	2.1069869E-04	-2.2872189E-06
63	2.1092060E-04	4.3399744E-06
64	2.1237126E-04	1.0015890E-05
65	2.1486982E-04	1.4834795E-05
66	2.1825446E-04	1.8892942E-05
67	2.2238281E-04	2.2288254E-05
68	2.2713070E-04	2.5097697E-05
69	2.3238652E-04	2.7376628E-05
70	2.3804964E-04	2.9179901E-05
71	2.4403036E-04	3.0561331E-05
72	2.5024955E-04	3.1573392E-05
73	2.5663815E-04	3.2266757E-05
74	2.6313793E-04	3.2689983E-05
75	2.6969919E-04	3.2888967E-05
76	2.7628143E-04	3.2906767E-05
77	2.8285247E-04	3.2783101E-05
78	2.8938765E-04	3.2554108E-05
79	2.9586926E-04	3.2252392E-05
80	3.0228569E-04	3.1906845E-05
81	3.0863075E-04	3.1542549E-05
82	3.1490287E-04	3.1180659E-05
83	3.2110441E-04	3.0839766E-05
84	3.2724114E-04	3.0534408E-05
85	3.3332153E-04	3.0274812E-05
86	3.3935482E-04	3.0066937E-05
87	3.4535187E-04	2.9912557E-05
88	3.5132325E-04	2.9809316E-05
89	3.5727857E-04	2.9750700E-05
90	3.6322580E-04	2.9726049E-05
91	3.6917027E-04	2.9720541E-05

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                Exe Time :29 July 2019      18:00:08                                                  |
+----------------------------------------------------------------------------------------------------------------------+
New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.658     -1.0719E-02   11.54       16.58       11.54       16.58            V-C   7276.       0.000       0.000       1.000       1.000
16.58       0.000       0.000     Strato1_2_8_L_0
   2 D   3.287     -1.0396E-02   11.64       16.44       11.64       16.44            V-C   7276.     -0.2000       0.000       1.000       1.000
16.44       0.000       0.000     Strato1_2_8_L_0
   3 D   5.137     -1.0073E-02   32.39       25.69       32.39       25.69            V-C   7276.     -0.4000       0.000       1.000       1.000
25.69       0.000       0.000     Strato1_2_8_L_0
   4 D   5.248     -9.7506E-03   34.01       26.24       34.01       26.24            V-C   7276.     -0.6000       0.000       1.000       1.000
26.24       0.000       0.000     Strato1_2_8_L_0
   5 D   6.331     -9.4282E-03   46.33       31.65       46.33       31.65            V-C   7276.     -0.8000       0.000       1.000       1.000
31.65       0.000       0.000     Strato1_2_8_L_0
   6 D   6.429     -9.1062E-03   47.82       32.15       47.82       32.15            V-C   7276.      -1.000       0.000       1.000       1.000
32.15       0.000       0.000     Strato1_2_8_L_0
   7 D   7.223     -8.7846E-03   56.96       36.11       56.96       36.11            V-C   7276.      -1.200       0.000       1.000       1.000
36.11       0.000       0.000     Strato1_2_8_L_0
   8 D   7.343     -8.4638E-03   58.71       36.72       58.71       36.72            V-C   7276.      -1.400       0.000       1.000       1.000
36.72       0.000       0.000     Strato1_2_8_L_0
   9 D   7.928     -8.1441E-03   65.58       39.64       65.58       39.64            V-C   7276.      -1.600       0.000       1.000       1.000
39.64       0.000       0.000     Strato1_2_8_L_0
  10 D   8.077     -7.8260E-03   67.67       40.38       67.67       40.38            V-C   7276.      -1.800       0.000       1.000       1.000
40.38       0.000       0.000     Strato1_2_8_L_0
  11 D   8.656     -7.5099E-03   74.52       43.28       74.52       43.28            V-C   7276.      -2.000       0.000       1.000       1.000
43.28       0.000       0.000     Strato1_2_8_L_0
  12 D   8.817     -7.1963E-03   76.79       44.09       76.79       44.09            V-C   7276.      -2.200       0.000       1.000       1.000
44.09       0.000       0.000     Strato1_2_8_L_0
  13 D   9.340     -6.8860E-03   83.06       46.70       83.06       46.70            V-C   7276.      -2.400       0.000       1.000       1.000
46.70       0.000       0.000     Strato1_2_8_L_0
  14 D   9.509     -6.5796E-03   85.48       47.55       85.48       47.55            V-C   7276.      -2.600       0.000       1.000       1.000
47.55       0.000       0.000     Strato1_2_8_L_0
  15 D   9.988     -6.2779E-03   91.36       49.94       91.36       49.94            V-C   7276.      -2.800       0.000       1.000       1.000
49.94       0.000       0.000     Strato1_2_8_L_0
  16 D   10.12     -5.9819E-03   93.48       50.61       93.48       50.61            V-C   7276.      -3.000       0.000       1.000       1.000
50.61       0.000       0.000     Strato1_2_8_L_0
  17 D   10.57     -5.6923E-03   99.09       52.84       99.09       52.84            V-C   7276.      -3.200       0.000       1.000       1.000
52.84       0.000       0.000     Strato1_2_8_L_0
  18 D   10.65     -5.4091E-03   101.8       53.25       101.8       53.95          UL-RL   2.1827E+04  -3.400       0.000       1.000       1.000
53.25       0.000       0.000     Strato1_2_8_L_0
  19 D   10.76     -5.1323E-03   107.2       53.81       107.2       56.80          UL-RL   2.1827E+04  -3.600       0.000       1.000       1.000
53.81       0.000       0.000     Strato1_2_8_L_0
  20 D   10.71     -4.8619E-03   109.9       53.53       109.9       58.27          UL-RL   2.1827E+04  -3.800       0.000       1.000       1.000
53.53       0.000       0.000     Strato1_2_8_L_0
  21 D   10.79     -4.5979E-03   115.2       53.97       115.2       61.03          UL-RL   2.1827E+04  -4.000       0.000       1.000       1.000
53.97       0.000       0.000     Strato1_2_8_L_0
  22 D   10.74     -4.3405E-03   118.0       53.69       118.0       62.54          UL-RL   2.1827E+04  -4.200       0.000       1.000       1.000
53.69       0.000       0.000     Strato1_2_8_L_0
  23 D   10.81     -4.0900E-03   123.1       54.07       123.1       65.23          UL-RL   2.1827E+04  -4.400       0.000       1.000       1.000
54.07       0.000       0.000     Strato1_2_8_L_0
  24 D   10.75     -3.8466E-03   125.7       53.73       125.7       66.63          UL-RL   2.1827E+04  -4.600       0.000       1.000       1.000
53.73       0.000       0.000     Strato1_2_8_L_0
  25 D   10.82     -3.6106E-03   130.7       54.11       130.7       69.26          UL-RL   2.1827E+04  -4.800       0.000       1.000       1.000
54.11       0.000       0.000     Strato1_2_8_L_0
  26 D   10.78     -3.3822E-03   133.7       53.92       133.7       70.84          UL-RL   2.1827E+04  -5.000       0.000       1.000       1.000
53.92       0.000       0.000     Strato1_2_8_L_0
  27 D   10.87     -3.1617E-03   138.5       54.33       138.5       73.42          UL-RL   2.1827E+04  -5.200       0.000       1.000       1.000
54.33       0.000       0.000     Strato1_2_8_L_0
  28 D   10.84     -2.9493E-03   141.6       54.21       141.6       75.03          UL-RL   2.1827E+04  -5.400       0.000       1.000       1.000
54.21       0.000       0.000     Strato1_2_8_L_0
  29 D   10.93     -2.7451E-03   146.3       54.66       146.3       77.56          UL-RL   2.1827E+04  -5.600       0.000       1.000       1.000
54.66       0.000       0.000     Strato1_2_8_L_0
  30 D   10.93     -2.5494E-03   149.4       54.64       149.4       79.20          UL-RL   2.1827E+04  -5.800       0.000       1.000       1.000
54.64       0.000       0.000     Strato1_2_8_L_0
  31 D   11.02     -2.3622E-03   153.9       55.09       153.9       81.58          UL-RL   2.1827E+04  -6.000       0.000       1.000       1.000
55.09       0.000       0.000     Strato1_2_8_L_0
  32 D   11.03     -2.1838E-03   157.0       55.17       157.0       83.23          UL-RL   2.1827E+04  -6.200       0.000       1.000       1.000
```

55.17	0.000	0.000	Strato1_2_8_L_0									
33 D	11.15	-2.0142E-03	161.7	55.77	161.7	85.70	UL-RL	2.1827E+04	-6.400	0.000	1.000	1.000
55.77	0.000	0.000	Strato1_2_8_L_0									
34 D	11.19	-1.8534E-03	164.9	55.95	164.9	87.37	UL-RL	2.1827E+04	-6.600	0.000	1.000	1.000
55.95	0.000	0.000	Strato1_2_8_L_0									
35 D	11.33	-1.7015E-03	169.5	56.63	169.5	89.81	UL-RL	2.1827E+04	-6.800	0.000	1.000	1.000
56.63	0.000	0.000	Strato1_2_8_L_0									
36 D	11.38	-1.5585E-03	172.6	56.92	172.6	91.50	UL-RL	2.1827E+04	-7.000	0.000	1.000	1.000
56.92	0.000	0.000	Strato1_2_8_L_0									
37 D	11.54	-1.4243E-03	177.2	57.68	177.2	93.92	UL-RL	2.1827E+04	-7.200	0.000	1.000	1.000
57.68	0.000	0.000	Strato1_2_8_L_0									
38 D	11.75	-1.2988E-03	180.4	58.77	180.4	95.62	UL-RL	2.1827E+04	-7.400	0.000	1.000	1.000
58.77	0.000	0.000	Strato1_2_8_L_0									
39 D	12.73	-1.1819E-03	184.8	63.63	184.8	97.92	UL-RL	2.1827E+04	-7.600	0.000	1.000	1.000
63.63	0.000	0.000	Strato1_2_8_L_0									
40 D	13.55	-1.0735E-03	188.0	67.73	188.0	99.64	UL-RL	2.1827E+04	-7.800	0.000	1.000	1.000
67.73	0.000	0.000	Strato1_2_8_L_0									
41 D	14.46	-9.7324E-04	192.5	72.31	192.5	102.0	UL-RL	2.1827E+04	-8.000	0.000	1.000	1.000
72.31	0.000	0.000	Strato1_2_8_L_0									
42 D	15.22	-8.8097E-04	195.8	76.09	195.8	103.7	UL-RL	2.1827E+04	-8.200	0.000	1.000	1.000
76.09	0.000	0.000	Strato1_2_8_L_0									
43 D	16.06	-7.9639E-04	200.2	80.32	200.2	106.1	UL-RL	2.1827E+04	-8.400	0.000	1.000	1.000
80.32	0.000	0.000	Strato1_2_8_L_0									
44 D	16.76	-7.1923E-04	203.5	83.79	203.5	107.8	UL-RL	2.1827E+04	-8.600	0.000	1.000	1.000
83.79	0.000	0.000	Strato1_2_8_L_0									
45 D	17.54	-6.4915E-04	207.9	87.70	207.9	110.2	UL-RL	2.1827E+04	-8.800	0.000	1.000	1.000
87.70	0.000	0.000	Strato1_2_8_L_0									
46 D	18.16	-5.8583E-04	211.1	90.82	211.1	111.9	UL-RL	2.1827E+04	-9.000	0.000	1.000	1.000
90.82	0.000	0.000	Strato1_2_8_L_0									
47 D	18.89	-5.2893E-04	215.4	94.44	215.4	114.2	UL-RL	2.1827E+04	-9.200	0.000	1.000	1.000
94.44	0.000	0.000	Strato1_2_8_L_0									
48 D	19.48	-4.7810E-04	218.8	97.39	218.8	116.0	UL-RL	2.1827E+04	-9.400	0.000	1.000	1.000
97.39	0.000	0.000	Strato1_2_8_L_0									
49 D	20.15	-4.3299E-04	223.1	100.8	223.1	118.3	UL-RL	2.1827E+04	-9.600	0.000	1.000	1.000
100.8	0.000	0.000	Strato1_2_8_L_0									
50 D	20.70	-3.9324E-04	226.5	103.5	226.5	120.0	UL-RL	2.1827E+04	-9.800	0.000	1.000	1.000
103.5	0.000	0.000	Strato1_2_8_L_0									
51 D	21.33	-3.5849E-04	230.8	106.7	230.8	122.3	UL-RL	2.1827E+04	-10.00	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
52 D	21.84	-3.2839E-04	234.2	109.2	234.2	124.1	UL-RL	2.1827E+04	-10.20	0.000	1.000	1.000
109.2	0.000	0.000	Strato1_2_8_L_0									
53 D	22.44	-3.0259E-04	238.5	112.2	238.5	126.4	UL-RL	2.1827E+04	-10.40	0.000	1.000	1.000
112.2	0.000	0.000	Strato1_2_8_L_0									
54 D	22.90	-2.8074E-04	241.8	114.5	241.8	128.1	UL-RL	2.1827E+04	-10.60	0.000	1.000	1.000
114.5	0.000	0.000	Strato1_2_8_L_0									
55 D	23.47	-2.6251E-04	246.1	117.3	246.1	130.4	UL-RL	2.1827E+04	-10.80	0.000	1.000	1.000
117.3	0.000	0.000	Strato1_2_8_L_0									
56 D	23.92	-2.4758E-04	249.5	119.6	249.5	132.2	UL-RL	2.1827E+04	-11.00	0.000	1.000	1.000
119.6	0.000	0.000	Strato1_2_8_L_0									
57 D	24.46	-2.3562E-04	253.7	122.3	253.7	134.5	UL-RL	2.1827E+04	-11.20	0.000	1.000	1.000
122.3	0.000	0.000	Strato1_2_8_L_0									
58 D	24.89	-2.2636E-04	257.1	124.5	257.1	136.3	UL-RL	2.1827E+04	-11.40	0.000	1.000	1.000
124.5	0.000	0.000	Strato1_2_8_L_0									
59 D	25.41	-2.1949E-04	261.4	127.1	261.4	138.5	UL-RL	2.1827E+04	-11.60	0.000	1.000	1.000
127.1	0.000	0.000	Strato1_2_8_L_0									
60 D	25.83	-2.1476E-04	264.8	129.2	264.8	140.4	UL-RL	2.1827E+04	-11.80	0.000	1.000	1.000
129.2	0.000	0.000	Strato1_2_8_L_0									
61 D	26.32	-2.1191E-04	269.0	131.6	269.0	142.5	UL-RL	2.1827E+04	-12.00	0.000	1.000	1.000
131.6	0.000	0.000	Strato1_2_8_L_0									
62 D	26.73	-2.1070E-04	272.4	133.7	272.4	144.4	UL-RL	2.1827E+04	-12.20	0.000	1.000	1.000
133.7	0.000	0.000	Strato1_2_8_L_0									
63 D	27.22	-2.1092E-04	276.6	136.1	276.6	146.6	UL-RL	2.1827E+04	-12.40	0.000	1.000	1.000
136.1	0.000	0.000	Strato1_2_8_L_0									
64 D	27.62	-2.1237E-04	280.1	138.1	280.1	148.4	UL-RL	2.1827E+04	-12.60	0.000	1.000	1.000
138.1	0.000	0.000	Strato1_2_8_L_0									
65 D	28.10	-2.1487E-04	284.3	140.5	284.3	150.7	UL-RL	2.1827E+04	-12.80	0.000	1.000	1.000
140.5	0.000	0.000	Strato1_2_8_L_0									
66 D	28.50	-2.1825E-04	287.7	142.5	287.7	152.5	UL-RL	2.1827E+04	-13.00	0.000	1.000	1.000
142.5	0.000	0.000	Strato1_2_8_L_0									
67 D	23.60	-2.2238E-04	292.0	118.0	292.0	146.0	UL-RL	6.1746E+04	-13.20	0.000	1.000	1.000
118.0	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.03	-2.2713E-04	295.7	120.1	295.7	147.8	UL-RL	6.1746E+04	-13.40	0.000	1.000	1.000
120.1	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.51	-2.3239E-04	300.0	122.5	300.0	150.0	UL-RL	6.1746E+04	-13.60	0.000	1.000	1.000
122.5	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.91	-2.3805E-04	303.7	124.6	303.7	151.8	UL-RL	6.1746E+04	-13.80	0.000	1.000	1.000
124.6	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.38	-2.4403E-04	308.0	126.9	308.0	154.0	UL-RL	6.1746E+04	-14.00	0.000	1.000	1.000
126.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.77	-2.5025E-04	311.7	128.8	311.7	155.9	UL-RL	6.1746E+04	-14.20	0.000	1.000	1.000
128.8	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.22	-2.5664E-04	316.1	131.1	316.1	158.0	UL-RL	6.1746E+04	-14.40	0.000	1.000	1.000
131.1	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.59	-2.6314E-04	319.8	133.0	319.8	159.9	UL-RL	6.1746E+04	-14.60	0.000	1.000	1.000
133.0	0.000	0.000	Strato2_3095_82743_L_0									

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  75 D   27.02     -2.6970E-04   324.1        135.1        324.1        162.1           UL-RL  6.1746E+04  -14.80        0.000         1.000        1.000
135.1       0.000        0.000    Strato2_3095_82743_L_0
  76 D   27.38     -2.7628E-04   327.7        136.9        327.7        163.9           UL-RL  6.1746E+04  -15.00        0.000         1.000        1.000
136.9       0.000        0.000    Strato2_3095_82743_L_0
  77 D   27.80     -2.8285E-04   332.1        139.0        332.1        166.0           UL-RL  6.1746E+04  -15.20        0.000         1.000        1.000
139.0       0.000        0.000    Strato2_3095_82743_L_0
  78 D   28.15     -2.8939E-04   335.8        140.7        335.8        167.9           UL-RL  6.1746E+04  -15.40        0.000         1.000        1.000
140.7       0.000        0.000    Strato2_3095_82743_L_0
  79 D   28.56     -2.9587E-04   340.1        142.8        340.1        170.1           UL-RL  6.1746E+04  -15.60        0.000         1.000        1.000
142.8       0.000        0.000    Strato2_3095_82743_L_0
  80 D   28.90     -3.0229E-04   343.8        144.5        343.8        171.9           UL-RL  6.1746E+04  -15.80        0.000         1.000        1.000
144.5       0.000        0.000    Strato2_3095_82743_L_0
  81 D   29.30     -3.0863E-04   348.2        146.5        348.2        174.1           UL-RL  6.1746E+04  -16.00        0.000         1.000        1.000
146.5       0.000        0.000    Strato2_3095_82743_L_0
  82 D   29.70     -3.1490E-04   352.5        148.5        352.5        176.2           UL-RL  6.1746E+04  -16.20        0.000         1.000        1.000
148.5       0.000        0.000    Strato2_3095_82743_L_0
  83 D   30.04     -3.2110E-04   356.2        150.2        356.2        178.1           UL-RL  6.1746E+04  -16.40        0.000         1.000        1.000
150.2       0.000        0.000    Strato2_3095_82743_L_0
  84 D   30.43     -3.2724E-04   360.4        152.1        360.4        180.2           UL-RL  6.1746E+04  -16.60        0.000         1.000        1.000
152.1       0.000        0.000    Strato2_3095_82743_L_0
  85 D   30.76     -3.3332E-04   364.2        153.8        364.2        182.1           UL-RL  6.1746E+04  -16.80        0.000         1.000        1.000
153.8       0.000        0.000    Strato2_3095_82743_L_0
  86 D   31.15     -3.3935E-04   368.5        155.8        368.5        184.2           UL-RL  6.1746E+04  -17.00        0.000         1.000        1.000
155.8       0.000        0.000    Strato2_3095_82743_L_0
  87 D   31.49     -3.4535E-04   372.2        157.4        372.2        186.1           UL-RL  6.1746E+04  -17.20        0.000         1.000        1.000
157.4       0.000        0.000    Strato2_3095_82743_L_0
  88 D   31.88     -3.5132E-04   376.5        159.4        376.5        188.3           UL-RL  6.1746E+04  -17.40        0.000         1.000        1.000
159.4       0.000        0.000    Strato2_3095_82743_L_0
  89 D   32.21     -3.5728E-04   380.2        161.0        380.2        190.1           UL-RL  6.1746E+04  -17.60        0.000         1.000        1.000
161.0       0.000        0.000    Strato2_3095_82743_L_0
  90 D   32.60     -3.6323E-04   384.5        163.0        384.5        192.3           UL-RL  6.1746E+04  -17.80        0.000         1.000        1.000
163.0       0.000        0.000    Strato2_3095_82743_L_0
  91 D   16.46     -3.6917E-04   388.2        164.6        388.2        194.1           UL-RL  6.1746E+04  -18.00        0.000         1.000        1.000
164.6       0.000        0.000    Strato2_3095_82743_L_0



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 |                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*             |
 |                                                                                                                       |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
 |                                   Exe Time :29 July 2019      18:00:08                                                |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                               :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *     FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P            STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq            Su_a         Su_p      LAYER
 --------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1     0.000        --          --          --          --          --          REMOVED      --         0.000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   2     0.000        --          --          --          --          --          REMOVED      --       -0.2000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   3     0.000        --          --          --          --          --          REMOVED      --       -0.4000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   4     0.000        --          --          --          --          --          REMOVED      --       -0.6000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   5     0.000        --          --          --          --          --          REMOVED      --       -0.8000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   6     0.000        --          --          --          --          --          REMOVED      --        -1.000        0.000         1.000        1.000
0.000       0.000        0.000    not available
   7     0.000        --          --          --          --          --          REMOVED      --        -1.200        0.000         1.000        1.000
0.000       0.000        0.000    not available
   8     0.000        --          --          --          --          --          REMOVED      --        -1.400        0.000         1.000        1.000
0.000       0.000        0.000    not available
   9     0.000        --          --          --          --          --          REMOVED      --        -1.600        0.000         1.000        1.000
0.000       0.000        0.000    not available
  10     0.000        --          --          --          --          --          REMOVED      --        -1.800        0.000         1.000        1.000
0.000       0.000        0.000    not available
  11     0.000        --          --          --          --          --          REMOVED      --        -2.000        0.000         1.000        1.000
0.000       0.000        0.000    not available
  12     0.000        --          --          --          --          --          REMOVED      --        -2.200        0.000         1.000        1.000
0.000       0.000        0.000    not available
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13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19 D	0.1155	5.1323E-03	1.900	0.5776	68.40	40.16	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
20 D	1.816	4.8619E-03	5.700	9.081	72.20	42.18	UL-RL	1.5147E+04	-3.800	0.000	1.000	1.000	9.081	0.000	0.000	Strato1_2_8_L_0
21 D	5.046	4.5979E-03	9.500	25.23	76.00	44.20	UL-RL	1.5147E+04	-4.000	0.000	1.000	1.000	25.23	0.000	0.000	Strato1_2_8_L_0
22 D	8.277	4.3405E-03	13.30	41.38	79.80	53.75	UL-RL	1.5147E+04	-4.200	0.000	1.000	1.000	41.38	0.000	0.000	Strato1_2_8_L_0
23 D	11.51	4.0900E-03	17.10	57.54	83.60	69.10	UL-RL	1.5147E+04	-4.400	0.000	1.000	1.000	57.54	0.000	0.000	Strato1_2_8_L_0
24 D	12.10	3.8466E-03	20.90	60.49	87.40	71.25	UL-RL	1.5147E+04	-4.600	0.000	1.000	1.000	60.49	0.000	0.000	Strato1_2_8_L_0
25 D	12.37	3.6106E-03	24.70	61.84	91.20	71.82	UL-RL	1.5147E+04	-4.800	0.000	1.000	1.000	61.84	0.000	0.000	Strato1_2_8_L_0
26 D	12.64	3.3822E-03	28.50	63.21	95.00	72.43	UL-RL	1.5147E+04	-5.000	0.000	1.000	1.000	63.21	0.000	0.000	Strato1_2_8_L_0
27 D	12.92	3.1617E-03	32.30	64.61	98.80	73.09	UL-RL	1.5147E+04	-5.200	0.000	1.000	1.000	64.61	0.000	0.000	Strato1_2_8_L_0
28 D	13.21	2.9493E-03	36.10	66.04	102.6	73.80	UL-RL	1.5147E+04	-5.400	0.000	1.000	1.000	66.04	0.000	0.000	Strato1_2_8_L_0
29 D	13.50	2.7451E-03	39.90	67.49	106.4	74.55	UL-RL	1.5147E+04	-5.600	0.000	1.000	1.000	67.49	0.000	0.000	Strato1_2_8_L_0
30 D	13.79	2.5494E-03	43.70	68.97	110.2	75.36	UL-RL	1.5147E+04	-5.800	0.000	1.000	1.000	68.97	0.000	0.000	Strato1_2_8_L_0
31 D	14.09	2.3622E-03	47.50	70.46	114.0	76.22	UL-RL	1.5147E+04	-6.000	0.000	1.000	1.000	70.46	0.000	0.000	Strato1_2_8_L_0
32 D	14.40	2.1838E-03	51.30	71.98	117.8	77.14	UL-RL	1.5147E+04	-6.200	0.000	1.000	1.000	71.98	0.000	0.000	Strato1_2_8_L_0
33 D	14.70	2.0142E-03	55.10	73.52	121.6	78.11	UL-RL	1.5147E+04	-6.400	0.000	1.000	1.000	73.52	0.000	0.000	Strato1_2_8_L_0
34 D	15.02	1.8534E-03	58.90	75.08	125.4	79.13	UL-RL	1.5147E+04	-6.600	0.000	1.000	1.000	75.08	0.000	0.000	Strato1_2_8_L_0
35 D	15.33	1.7015E-03	62.70	76.67	129.2	80.22	UL-RL	1.5147E+04	-6.800	0.000	1.000	1.000	76.67	0.000	0.000	Strato1_2_8_L_0
36 D	15.65	1.5585E-03	66.50	78.27	133.0	81.35	UL-RL	1.5147E+04	-7.000	0.000	1.000	1.000	78.27	0.000	0.000	Strato1_2_8_L_0
37 D	15.98	1.4243E-03	70.30	79.90	136.8	82.54	UL-RL	1.5147E+04	-7.200	0.000	1.000	1.000	79.90	0.000	0.000	Strato1_2_8_L_0
38 D	16.31	1.2988E-03	74.10	81.55	140.6	83.79	UL-RL	1.5147E+04	-7.400	0.000	1.000	1.000	81.55	0.000	0.000	Strato1_2_8_L_0
39 D	16.64	1.1819E-03	77.90	83.22	144.4	85.09	UL-RL	1.5147E+04	-7.600	0.000	1.000	1.000	83.22	0.000	0.000	Strato1_2_8_L_0
40 D	16.98	1.0735E-03	81.70	84.91	148.2	86.44	UL-RL	1.5147E+04	-7.800	0.000	1.000	1.000	84.91	0.000	0.000	Strato1_2_8_L_0
41 D	17.32	9.7324E-04	85.50	86.62	152.0	87.84	UL-RL	1.5147E+04	-8.000	0.000	1.000	1.000	86.62	0.000	0.000	Strato1_2_8_L_0
42 D	17.67	8.8097E-04	89.30	88.35	155.8	89.28	UL-RL	1.5147E+04	-8.200	0.000	1.000	1.000	88.35	0.000	0.000	Strato1_2_8_L_0
43 D	18.02	7.9639E-04	93.10	90.10	159.6	90.78	UL-RL	1.5147E+04	-8.400	0.000	1.000	1.000	90.10	0.000	0.000	Strato1_2_8_L_0
44 D	18.37	7.1923E-04	96.90	91.87	163.4	92.32	UL-RL	1.5147E+04	-8.600	0.000	1.000	1.000	91.87	0.000	0.000	Strato1_2_8_L_0
45 D	18.73	6.4915E-04	100.7	93.65	167.2	93.90	UL-RL	1.5147E+04	-8.800	0.000	1.000	1.000	93.65	0.000	0.000	Strato1_2_8_L_0
46 D	19.09	5.8583E-04	104.5	95.46	171.0	95.52	UL-RL	1.5147E+04	-9.000	0.000	1.000	1.000	95.46	0.000	0.000	Strato1_2_8_L_0
47 D	19.44	5.2893E-04	108.3	97.21	174.8	97.21	V-C	5049.	-9.200	0.000	1.000	1.000	97.21	0.000	0.000	Strato1_2_8_L_0
48 D	19.79	4.7810E-04	112.1	98.95	178.6	98.95	V-C	5049.	-9.400	0.000	1.000	1.000	98.95	0.000	0.000	Strato1_2_8_L_0
49 D	20.14	4.3299E-04	115.9	100.7	182.4	100.7	V-C	5049.	-9.600	0.000	1.000	1.000	100.7	0.000	0.000	Strato1_2_8_L_0
50 D	20.50	3.9324E-04	119.7	102.5	186.2	102.5	V-C	5049.	-9.800	0.000	1.000	1.000	102.5	0.000	0.000	Strato1_2_8_L_0
51 D	20.81	3.5849E-04	123.5	104.0	190.0	104.5	UL-RL	1.5147E+04	-10.00	0.000	1.000	1.000	104.0	0.000	0.000	Strato1_2_8_L_0
52 D	21.13	3.2839E-04	127.3	105.6	193.8	106.4	UL-RL	1.5147E+04	-10.20	0.000	1.000	1.000	105.6	0.000	0.000	Strato1_2_8_L_0
53 D	21.46	3.0259E-04	131.1	107.3	197.6	108.4	UL-RL	1.5147E+04	-10.40	0.000	1.000	1.000	107.3	0.000	0.000	Strato1_2_8_L_0
54 D	21.80	2.8074E-04	134.9	109.0	201.4	110.3	UL-RL	1.5147E+04	-10.60	0.000	1.000	1.000	109.0	0.000	0.000	Strato1_2_8_L_0
55 D	22.16	2.6251E-04	138.7	110.8	205.2	112.3	UL-RL	1.5147E+04	-10.80	0.000	1.000	1.000				

110.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.53	2.4758E-04	142.5	112.6	209.0	114.2	UL-RL	1.5147E+04	-11.00	0.000	1.000	1.000
112.6	0.000	0.000	Strato1_2_8_L_0									
57 D	22.90	2.3562E-04	146.3	114.5	212.8	116.2	UL-RL	1.5147E+04	-11.20	0.000	1.000	1.000
114.5	0.000	0.000	Strato1_2_8_L_0									
58 D	23.29	2.2636E-04	150.1	116.4	216.6	118.1	UL-RL	1.5147E+04	-11.40	0.000	1.000	1.000
116.4	0.000	0.000	Strato1_2_8_L_0									
59 D	23.68	2.1949E-04	153.9	118.4	220.4	120.0	UL-RL	1.5147E+04	-11.60	0.000	1.000	1.000
118.4	0.000	0.000	Strato1_2_8_L_0									
60 D	24.07	2.1476E-04	157.7	120.4	224.2	121.9	UL-RL	1.5147E+04	-11.80	0.000	1.000	1.000
120.4	0.000	0.000	Strato1_2_8_L_0									
61 D	24.46	2.1191E-04	161.5	122.3	228.0	123.9	UL-RL	1.5147E+04	-12.00	0.000	1.000	1.000
122.3	0.000	0.000	Strato1_2_8_L_0									
62 D	24.85	2.1070E-04	165.3	124.2	231.8	125.9	UL-RL	1.5147E+04	-12.20	0.000	1.000	1.000
124.2	0.000	0.000	Strato1_2_8_L_0									
63 D	25.24	2.1092E-04	169.1	126.2	235.6	127.8	UL-RL	1.5147E+04	-12.40	0.000	1.000	1.000
126.2	0.000	0.000	Strato1_2_8_L_0									
64 D	25.64	2.1237E-04	172.9	128.2	239.4	129.8	UL-RL	1.5147E+04	-12.60	0.000	1.000	1.000
128.2	0.000	0.000	Strato1_2_8_L_0									
65 D	26.03	2.1487E-04	176.7	130.2	243.2	131.8	UL-RL	1.5147E+04	-12.80	0.000	1.000	1.000
130.2	0.000	0.000	Strato1_2_8_L_0									
66 D	26.44	2.1825E-04	180.5	132.2	247.0	133.7	UL-RL	1.5147E+04	-13.00	0.000	1.000	1.000
132.2	0.000	0.000	Strato1_2_8_L_0									
67 D	22.42	2.2238E-04	184.4	112.1	250.9	130.8	UL-RL	3.3465E+04	-13.20	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
68 D	22.88	2.2713E-04	188.4	114.4	254.9	132.5	UL-RL	3.3465E+04	-13.40	0.000	1.000	1.000
114.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.34	2.3239E-04	192.4	116.7	258.9	134.3	UL-RL	3.3465E+04	-13.60	0.000	1.000	1.000
116.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	23.81	2.3805E-04	196.4	119.0	262.9	136.1	UL-RL	3.3465E+04	-13.80	0.000	1.000	1.000
119.0	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.27	2.4403E-04	200.4	121.4	266.9	137.9	UL-RL	3.3465E+04	-14.00	0.000	1.000	1.000
121.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.74	2.5025E-04	204.4	123.7	270.9	139.8	UL-RL	3.3465E+04	-14.20	0.000	1.000	1.000
123.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.20	2.5664E-04	208.4	126.0	274.9	141.6	UL-RL	3.3465E+04	-14.40	0.000	1.000	1.000
126.0	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.67	2.6314E-04	212.4	128.3	278.9	143.4	UL-RL	3.3465E+04	-14.60	0.000	1.000	1.000
128.3	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.13	2.6970E-04	216.4	130.7	282.9	145.3	UL-RL	3.3465E+04	-14.80	0.000	1.000	1.000
130.7	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.59	2.7628E-04	220.4	133.0	286.9	147.1	UL-RL	3.3465E+04	-15.00	0.000	1.000	1.000
133.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.05	2.8285E-04	224.4	135.3	290.9	149.0	UL-RL	3.3465E+04	-15.20	0.000	1.000	1.000
135.3	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.51	2.8939E-04	228.4	137.6	294.9	150.9	UL-RL	3.3465E+04	-15.40	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	27.97	2.9587E-04	232.4	139.9	298.9	152.8	UL-RL	3.3465E+04	-15.60	0.000	1.000	1.000
139.9	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.43	3.0229E-04	236.4	142.1	302.9	154.7	UL-RL	3.3465E+04	-15.80	0.000	1.000	1.000
142.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	28.88	3.0863E-04	240.4	144.4	306.9	156.6	UL-RL	3.3465E+04	-16.00	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	29.34	3.1490E-04	244.4	146.7	310.9	158.5	UL-RL	3.3465E+04	-16.20	0.000	1.000	1.000
146.7	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.79	3.2110E-04	248.4	149.0	314.9	160.5	UL-RL	3.3465E+04	-16.40	0.000	1.000	1.000
149.0	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.24	3.2724E-04	252.4	151.2	318.9	162.4	UL-RL	3.3465E+04	-16.60	0.000	1.000	1.000
151.2	0.000	0.000	Strato2_3095_82743_L_0									
85 D	30.69	3.3332E-04	256.4	153.5	322.9	164.3	UL-RL	3.3465E+04	-16.80	0.000	1.000	1.000
153.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	31.14	3.3935E-04	260.4	155.7	326.9	166.3	UL-RL	3.3465E+04	-17.00	0.000	1.000	1.000
155.7	0.000	0.000	Strato2_3095_82743_L_0									
87 D	31.59	3.4535E-04	264.4	158.0	330.9	168.2	UL-RL	3.3465E+04	-17.20	0.000	1.000	1.000
158.0	0.000	0.000	Strato2_3095_82743_L_0									
88 D	32.04	3.5132E-04	268.4	160.2	334.9	170.1	UL-RL	3.3465E+04	-17.40	0.000	1.000	1.000
160.2	0.000	0.000	Strato2_3095_82743_L_0									
89 D	32.49	3.5728E-04	272.4	162.5	338.9	172.1	UL-RL	3.3465E+04	-17.60	0.000	1.000	1.000
162.5	0.000	0.000	Strato2_3095_82743_L_0									
90 D	32.94	3.6323E-04	276.4	164.7	342.9	174.0	UL-RL	3.3465E+04	-17.80	0.000	1.000	1.000
164.7	0.000	0.000	Strato2_3095_82743_L_0									
91 D	16.69	3.6917E-04	280.4	166.9	346.9	175.9	UL-RL	3.3465E+04	-18.00	0.000	1.000	1.000
166.9	0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:00:08                                                  |
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New Project
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S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T T I M E I S 4.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.6576	-1.6576	3.15836E-11	0.33151
2	4.9450	-4.9450	-0.33151	1.3205
3	10.082	-10.082	-1.3205	3.3370
4	15.330	-15.330	-3.3370	6.4030
5	21.661	-21.661	-6.4030	10.735
6	28.090	-28.090	-10.735	16.353
7	35.312	-35.312	-16.353	23.415
8	42.655	-42.655	-23.415	31.947
9	50.583	-50.583	-31.947	42.063
10	58.660	-58.660	-42.063	53.795
11	67.316	-67.316	-53.795	67.258
12	76.133	-76.133	-67.258	82.485
13	85.473	-85.473	-82.485	99.579
14	94.982	-94.982	-99.579	118.58
15	104.97	-104.97	-118.58	139.57
16	-21.006	21.006	-139.57	135.37
17	-10.439	10.439	-135.37	133.28
18	0.21183	-0.21183	-133.28	133.32
19	10.858	-10.858	-133.32	135.49
20	19.747	-19.747	-135.49	139.44
21	25.496	-25.496	-139.44	144.54
22	27.956	-27.956	-144.54	150.13
23	27.263	-27.263	-150.13	155.59
24	25.912	-25.912	-155.59	160.77
25	24.368	-24.368	-160.77	165.64
26	22.509	-22.509	-165.64	170.15
27	20.451	-20.451	-170.15	174.24
28	18.085	-18.085	-174.24	177.85
29	15.519	-15.519	-177.85	180.96
30	12.654	-12.654	-180.96	183.49
31	9.5795	-9.5795	-183.49	185.40
32	6.2177	-6.2177	-185.40	186.65
33	2.6666	-2.6666	-186.65	187.18
34	-1.1596	1.1596	-187.18	186.95
35	-5.1679	5.1679	-186.95	185.91
36	-9.4386	9.4386	-185.91	184.03
37	-13.884	13.884	-184.03	181.25
38	-18.440	18.440	-181.25	177.56
39	-22.359	22.359	-177.56	173.09
40	-25.795	25.795	-173.09	167.93
41	-28.657	28.657	-167.93	162.20
42	-31.110	31.110	-162.20	155.98
43	-33.067	33.067	-155.98	149.36
44	-34.684	34.684	-149.36	142.43
45	-35.875	35.875	-142.43	135.25
46	-36.803	36.803	-135.25	127.89
47	-37.356	37.356	-127.89	120.42
48	-37.668	37.668	-120.42	112.89
49	-37.658	37.658	-112.89	105.35
50	-37.460	37.460	-105.35	97.863
51	-36.937	36.937	-97.863	90.475
52	-36.222	36.222	-90.475	83.231
53	-35.245	35.245	-83.231	76.182
54	-34.145	34.145	-76.182	69.353
55	-32.839	32.839	-69.353	62.785
56	-31.443	31.443	-62.785	56.497
57	-29.885	29.885	-56.497	50.520
58	-28.275	28.275	-50.520	44.865
59	-26.540	26.540	-44.865	39.557
60	-24.780	24.780	-39.557	34.601
61	-22.914	22.914	-34.601	30.018
62	-21.027	21.027	-30.018	25.813
63	-19.044	19.044	-25.813	22.004
64	-17.056	17.056	-22.004	18.593
65	-14.989	14.989	-18.593	15.595
66	-12.931	12.931	-15.595	13.009
67	-11.747	11.747	-13.009	10.659
68	-10.599	10.599	-10.659	8.5395
69	-9.4367	9.4367	-8.5395	6.6522
70	-8.3324	8.3324	-6.6522	4.9857
71	-7.2263	7.2263	-4.9857	3.5404
72	-6.1969	6.1969	-3.5404	2.3011
73	-5.1839	5.1839	-2.3011	1.2643
74	-4.2618	4.2618	-1.2643	0.41200

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   75 -3.3702      3.3702    -0.41200    -0.26204
   76 -2.5887      2.5887     0.26204    -0.77978
   77 -1.8479      1.8479     0.77978     -1.1494
   78 -1.2154      1.2154      1.1494     -1.3924
   79-0.63086     0.63086      1.3924     -1.5186
   80-0.15890     0.15890      1.5186     -1.5504
   81 0.26022    -0.26022      1.5504     -1.4984
   82 0.62423    -0.62423      1.4984     -1.3735
   83 0.87259    -0.87259      1.3735     -1.1990
   84  1.0555     -1.0555      1.1990    -0.98787
   85  1.1225     -1.1225     0.98787    -0.76337
   86  1.1308     -1.1308     0.76337    -0.53721
   87  1.0234     -1.0234     0.53721    -0.33254
   88 0.85638    -0.85638     0.33254    -0.16127
   89 0.57429    -0.57429     0.16127    -4.64073E-02
   90 0.23204    -0.23204     4.64073E-02-5.97244E-13



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   140.90     -1.07620E-03 -1.07620E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM= 8950.     REMNOR=0.1680E-18 RATIO =0.1946     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.1946     RATIOR= 0.000
           MAX UN= 19.79     IEQ=     95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.2389E-08 IEQ=     17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM= 1224.     REMNOR=0.7453E-18 RATIO =0.7197E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.7197E-01 RATIOR= 0.000
           MAX UN= 8.819     IEQ=     73 NODE     37 DOF   1  Y-DISPL.F
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           MIN UN=-.2800E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM= 472.6     REMNOR=0.1909E-17 RATIO =0.4471E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.4471E-01 RATIOR= 0.000
           MAX UN= 7.545     IEQ=   103 NODE     52 DOF   1  Y-DISPL.F
           MIN UN=-.5119E-08 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM= 71.65     REMNOR=0.6123E-17 RATIO =0.1741E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.1741E-01 RATIOR= 0.000
           MAX UN= 5.028     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-.9322     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM=0.9927     REMNOR=0.3003E-17 RATIO =0.2049E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.2049E-02 RATIOR= 0.000
           MAX UN=0.6401     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN=-.9412E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2364E+06 RIMNOR=0.1961E+07
           RENORM=0.6722E-15 REMNOR=0.3188E-17 RATIO =0.5333E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 187.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2364E+06 RDR   =0.1961E+07
           RATIOT=0.5333E-10 RATIOR= 0.000
           MAX UN=0.8448E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.8763E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   3.3088718E-02  -1.3489618E-03
    2   3.2818926E-02  -1.3489535E-03
    3   3.2549139E-02  -1.3489117E-03
    4   3.2279368E-02  -1.3487729E-03
    5   3.2009643E-02  -1.3484412E-03
    6   3.1740012E-02  -1.3478008E-03
    7   3.1470552E-02  -1.3467156E-03
    8   3.1201366E-02  -1.3450345E-03
    9   3.0932589E-02  -1.3425905E-03
   10   3.0664392E-02  -1.3392042E-03
   11   3.0396983E-02  -1.3346832E-03
   12   3.0130608E-02  -1.3288223E-03
   13   2.9865558E-02  -1.3214031E-03
   14   2.9602166E-02  -1.3121949E-03
   15   2.9340815E-02  -1.3009545E-03
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16	2.9081937E-02	-1.2874266E-03
17	2.8825665E-02	-1.2765964E-03
18	2.8570787E-02	-1.2734381E-03
19	2.8315797E-02	-1.2776618E-03
20	2.8059250E-02	-1.2889658E-03
21	2.7799760E-02	-1.3070367E-03
22	2.7536006E-02	-1.3315497E-03
23	2.7266733E-02	-1.3621682E-03
24	2.6990756E-02	-1.3985440E-03
25	2.6706957E-02	-1.4403183E-03
26	2.6414294E-02	-1.4871210E-03
27	2.6111799E-02	-1.5385704E-03
28	2.5798582E-02	-1.5942738E-03
29	2.5473834E-02	-1.6538264E-03
30	2.5136824E-02	-1.7168134E-03
31	2.4786908E-02	-1.7828075E-03
32	2.4423530E-02	-1.8513709E-03
33	2.4046219E-02	-1.9220547E-03
34	2.3654597E-02	-1.9943989E-03
35	2.3248382E-02	-2.0679317E-03
36	2.2827379E-02	-2.1421714E-03
37	2.2391499E-02	-2.2166237E-03
38	2.1940749E-02	-2.2907836E-03
39	2.1475240E-02	-2.3641351E-03
40	2.0995187E-02	-2.4361506E-03
41	2.0500907E-02	-2.5062928E-03
42	1.9992831E-02	-2.5740122E-03
43	1.9471501E-02	-2.6387483E-03
44	1.8937569E-02	-2.6999296E-03
45	1.8391808E-02	-2.7569733E-03
46	1.7835084E-02	-2.8092873E-03
47	1.7268435E-02	-2.8562639E-03
48	1.6692975E-02	-2.8972889E-03
49	1.6109961E-02	-2.9317354E-03
50	1.5520762E-02	-2.9590022E-03
51	1.4926872E-02	-2.9785861E-03
52	1.4329862E-02	-2.9901186E-03
53	1.3731374E-02	-2.9933658E-03
54	1.3133074E-02	-2.9882287E-03
55	1.2536639E-02	-2.9747433E-03
56	1.1943722E-02	-2.9530804E-03
57	1.1355931E-02	-2.9235454E-03
58	1.0774799E-02	-2.8865786E-03
59	1.0201759E-02	-2.8427245E-03
60	9.6381301E-03	-2.7925627E-03
61	9.0851163E-03	-2.7366687E-03
62	8.5438066E-03	-2.6756151E-03
63	8.0151762E-03	-2.6099711E-03
64	7.5000864E-03	-2.5403031E-03
65	6.9992857E-03	-2.4671747E-03
66	6.5134098E-03	-2.3911472E-03
67	6.0429833E-03	-2.3127724E-03
68	5.5884113E-03	-2.2327415E-03
69	5.1499414E-03	-2.1518893E-03
70	4.7276552E-03	-2.0710417E-03
71	4.3214699E-03	-1.9910163E-03
72	3.9311399E-03	-1.9126233E-03
73	3.5562776E-03	-1.8366543E-03
74	3.1962857E-03	-1.7638551E-03
75	2.8504782E-03	-1.6949171E-03
76	2.5180229E-03	-1.6304188E-03
77	2.1979840E-03	-1.5708204E-03
78	1.8893450E-03	-1.5164683E-03
79	1.5910311E-03	-1.4675995E-03
80	1.3019309E-03	-1.4243453E-03
81	1.0209167E-03	-1.3867354E-03
82	7.4686509E-04	-1.3547001E-03
83	4.7867614E-04	-1.3280728E-03
84	2.1529285E-04	-1.3065925E-03
85	-4.4293398E-05	-1.2899062E-03
86	-3.0097283E-04	-1.2775730E-03
87	-5.5557728E-04	-1.2690601E-03
88	-8.0881022E-04	-1.2637475E-03
89	-1.0612424E-03	-1.2609273E-03
90	-1.3132953E-03	-1.2598201E-03
91	-1.5652292E-03	-1.2595939E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                  |
|                                  Exe Time :29 July 2019      18:00:08                                             |
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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3508	-3.3089E-02	11.54	3.508	11.54	16.58	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.508	0.000	0.000	Strato1_2_8_L_0
2 D	0.7077	-3.2819E-02	11.64	3.539	11.64	16.44	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.539	0.000	0.000	Strato1_2_8_L_0
3 D	1.969	-3.2549E-02	32.39	9.846	32.39	25.69	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	9.846	0.000	0.000	Strato1_2_8_L_0
4 D	2.068	-3.2279E-02	34.01	10.34	34.01	26.24	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	10.34	0.000	0.000	Strato1_2_8_L_0
5 D	2.817	-3.2010E-02	46.33	14.08	46.33	31.65	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.08	0.000	0.000	Strato1_2_8_L_0
6 D	2.908	-3.1740E-02	47.82	14.54	47.82	32.15	ACTIVE	0.000	-1.000	0.000	1.000	1.000	14.54	0.000	0.000	Strato1_2_8_L_0
7 D	3.463	-3.1471E-02	56.96	17.32	56.96	36.11	ACTIVE	0.000	-1.200	0.000	1.000	1.000	17.32	0.000	0.000	Strato1_2_8_L_0
8 D	3.570	-3.1201E-02	58.71	17.85	58.71	36.72	ACTIVE	0.000	-1.400	0.000	1.000	1.000	17.85	0.000	0.000	Strato1_2_8_L_0
9 D	3.987	-3.0933E-02	65.58	19.94	65.58	39.64	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.94	0.000	0.000	Strato1_2_8_L_0
10 D	4.114	-3.0664E-02	67.67	20.57	67.67	40.38	ACTIVE	0.000	-1.800	0.000	1.000	1.000	20.57	0.000	0.000	Strato1_2_8_L_0
11 D	4.531	-3.0397E-02	74.52	22.65	74.52	43.28	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.65	0.000	0.000	Strato1_2_8_L_0
12 D	4.669	-3.0131E-02	76.79	23.34	76.79	44.09	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.34	0.000	0.000	Strato1_2_8_L_0
13 D	5.050	-2.9866E-02	83.06	25.25	83.06	46.70	ACTIVE	0.000	-2.400	0.000	1.000	1.000	25.25	0.000	0.000	Strato1_2_8_L_0
14 D	5.197	-2.9602E-02	85.48	25.99	85.48	47.55	ACTIVE	0.000	-2.600	0.000	1.000	1.000	25.99	0.000	0.000	Strato1_2_8_L_0
15 D	5.554	-2.9341E-02	91.36	27.77	91.36	49.94	ACTIVE	0.000	-2.800	0.000	1.000	1.000	27.77	0.000	0.000	Strato1_2_8_L_0
16 D	5.684	-2.9082E-02	93.48	28.42	93.48	50.61	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.42	0.000	0.000	Strato1_2_8_L_0
17 D	6.025	-2.8826E-02	99.09	30.12	99.09	52.84	ACTIVE	0.000	-3.200	0.000	1.000	1.000	30.12	0.000	0.000	Strato1_2_8_L_0
18 D	6.188	-2.8571E-02	101.8	30.94	101.8	53.95	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.94	0.000	0.000	Strato1_2_8_L_0
19 D	6.516	-2.8316E-02	107.2	32.58	107.2	56.80	ACTIVE	0.000	-3.600	0.000	1.000	1.000	32.58	0.000	0.000	Strato1_2_8_L_0
20 D	6.685	-2.8059E-02	109.9	33.42	109.9	58.27	ACTIVE	0.000	-3.800	0.000	1.000	1.000	33.42	0.000	0.000	Strato1_2_8_L_0
21 D	7.001	-2.7800E-02	115.2	35.01	115.2	61.03	ACTIVE	0.000	-4.000	0.000	1.000	1.000	35.01	0.000	0.000	Strato1_2_8_L_0
22 D	7.175	-2.7536E-02	118.0	35.87	118.0	62.54	ACTIVE	0.000	-4.200	0.000	1.000	1.000	35.87	0.000	0.000	Strato1_2_8_L_0
23 D	7.483	-2.7267E-02	123.1	37.42	123.1	65.23	ACTIVE	0.000	-4.400	0.000	1.000	1.000	37.42	0.000	0.000	Strato1_2_8_L_0
24 D	7.643	-2.6991E-02	125.7	38.22	125.7	66.63	ACTIVE	0.000	-4.600	0.000	1.000	1.000	38.22	0.000	0.000	Strato1_2_8_L_0
25 D	7.945	-2.6707E-02	130.7	39.73	130.7	69.26	ACTIVE	0.000	-4.800	0.000	1.000	1.000	39.73	0.000	0.000	Strato1_2_8_L_0
26 D	8.127	-2.6414E-02	133.7	40.63	133.7	70.84	ACTIVE	0.000	-5.000	0.000	1.000	1.000	40.63	0.000	0.000	Strato1_2_8_L_0
27 D	8.422	-2.6112E-02	138.5	42.11	138.5	73.42	ACTIVE	0.000	-5.200	0.000	1.000	1.000	42.11	0.000	0.000	Strato1_2_8_L_0
28 D	8.607	-2.5799E-02	141.6	43.04	141.6	75.03	ACTIVE	0.000	-5.400	0.000	1.000	1.000	43.04	0.000	0.000	Strato1_2_8_L_0
29 D	8.898	-2.5474E-02	146.3	44.49	146.3	77.56	ACTIVE	0.000	-5.600	0.000	1.000	1.000	44.49	0.000	0.000	Strato1_2_8_L_0
30 D	9.085	-2.5137E-02	149.4	45.43	149.4	79.20	ACTIVE	0.000	-5.800	0.000	1.000	1.000	45.43	0.000	0.000	Strato1_2_8_L_0
31 D	9.358	-2.4787E-02	153.9	46.79	153.9	81.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000	46.79	0.000	0.000	Strato1_2_8_L_0
32 D	9.548	-2.4424E-02	157.0	47.74	157.0	83.23	ACTIVE	0.000	-6.200	0.000	1.000	1.000	47.74	0.000	0.000	Strato1_2_8_L_0
33 D	9.831	-2.4046E-02	161.7	49.16	161.7	85.70	ACTIVE	0.000	-6.400	0.000	1.000	1.000	49.16	0.000	0.000	Strato1_2_8_L_0
34 D	10.02	-2.3655E-02	164.9	50.12	164.9	87.37	ACTIVE	0.000	-6.600	0.000	1.000	1.000				

50.12	0.000	0.000	Strato1_2_8_L_0									
35 D	10.30	-2.3248E-02	169.5	51.52	169.5	89.81	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.52	0.000	0.000	Strato1_2_8_L_0									
36 D	10.50	-2.2827E-02	172.6	52.49	172.6	91.50	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.49	0.000	0.000	Strato1_2_8_L_0									
37 D	10.77	-2.2391E-02	177.2	53.87	177.2	93.92	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.87	0.000	0.000	Strato1_2_8_L_0									
38 D	10.97	-2.1941E-02	180.4	54.85	180.4	95.62	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.85	0.000	0.000	Strato1_2_8_L_0									
39 D	11.23	-2.1475E-02	184.8	56.17	184.8	97.92	ACTIVE	0.000	-7.600	0.000	1.000	1.000
56.17	0.000	0.000	Strato1_2_8_L_0									
40 D	11.43	-2.0995E-02	188.0	57.15	188.0	99.64	ACTIVE	0.000	-7.800	0.000	1.000	1.000
57.15	0.000	0.000	Strato1_2_8_L_0									
41 D	11.70	-2.0501E-02	192.5	58.51	192.5	102.0	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.51	0.000	0.000	Strato1_2_8_L_0									
42 D	11.90	-1.9993E-02	195.8	59.51	195.8	103.7	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.51	0.000	0.000	Strato1_2_8_L_0									
43 D	12.17	-1.9472E-02	200.2	60.86	200.2	106.1	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.86	0.000	0.000	Strato1_2_8_L_0									
44 D	12.37	-1.8938E-02	203.5	61.86	203.5	107.8	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.86	0.000	0.000	Strato1_2_8_L_0									
45 D	12.64	-1.8392E-02	207.9	63.20	207.9	110.2	ACTIVE	0.000	-8.800	0.000	1.000	1.000
63.20	0.000	0.000	Strato1_2_8_L_0									
46 D	12.83	-1.7835E-02	211.1	64.16	211.1	111.9	ACTIVE	0.000	-9.000	0.000	1.000	1.000
64.16	0.000	0.000	Strato1_2_8_L_0									
47 D	13.10	-1.7268E-02	215.4	65.50	215.4	114.2	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.50	0.000	0.000	Strato1_2_8_L_0									
48 D	13.30	-1.6693E-02	218.8	66.51	218.8	116.0	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.51	0.000	0.000	Strato1_2_8_L_0									
49 D	13.57	-1.6110E-02	223.1	67.84	223.1	118.3	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.84	0.000	0.000	Strato1_2_8_L_0									
50 D	13.77	-1.5521E-02	226.5	68.85	226.5	120.0	ACTIVE	0.000	-9.800	0.000	1.000	1.000
68.85	0.000	0.000	Strato1_2_8_L_0									
51 D	14.03	-1.4927E-02	230.8	70.17	230.8	122.3	ACTIVE	0.000	-10.00	0.000	1.000	1.000
70.17	0.000	0.000	Strato1_2_8_L_0									
52 D	14.24	-1.4330E-02	234.2	71.20	234.2	124.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000
71.20	0.000	0.000	Strato1_2_8_L_0									
53 D	14.50	-1.3731E-02	238.5	72.51	238.5	126.4	ACTIVE	0.000	-10.40	0.000	1.000	1.000
72.51	0.000	0.000	Strato1_2_8_L_0									
54 D	14.70	-1.3133E-02	241.8	73.50	241.8	128.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000
73.50	0.000	0.000	Strato1_2_8_L_0									
55 D	14.96	-1.2537E-02	246.1	74.80	246.1	130.4	ACTIVE	0.000	-10.80	0.000	1.000	1.000
74.80	0.000	0.000	Strato1_2_8_L_0									
56 D	15.17	-1.1944E-02	249.5	75.83	249.5	132.2	ACTIVE	0.000	-11.00	0.000	1.000	1.000
75.83	0.000	0.000	Strato1_2_8_L_0									
57 D	15.43	-1.1356E-02	253.7	77.13	253.7	134.5	ACTIVE	0.000	-11.20	0.000	1.000	1.000
77.13	0.000	0.000	Strato1_2_8_L_0									
58 D	15.63	-1.0775E-02	257.1	78.17	257.1	136.3	ACTIVE	0.000	-11.40	0.000	1.000	1.000
78.17	0.000	0.000	Strato1_2_8_L_0									
59 D	15.89	-1.0202E-02	261.4	79.46	261.4	138.5	ACTIVE	0.000	-11.60	0.000	1.000	1.000
79.46	0.000	0.000	Strato1_2_8_L_0									
60 D	16.10	-9.6381E-03	264.8	80.51	264.8	140.4	ACTIVE	0.000	-11.80	0.000	1.000	1.000
80.51	0.000	0.000	Strato1_2_8_L_0									
61 D	16.35	-9.0851E-03	269.0	81.76	269.0	142.5	ACTIVE	0.000	-12.00	0.000	1.000	1.000
81.76	0.000	0.000	Strato1_2_8_L_0									
62 D	16.56	-8.5438E-03	272.4	82.81	272.4	144.4	ACTIVE	0.000	-12.20	0.000	1.000	1.000
82.81	0.000	0.000	Strato1_2_8_L_0									
63 D	16.82	-8.0152E-03	276.6	84.09	276.6	146.6	ACTIVE	0.000	-12.40	0.000	1.000	1.000
84.09	0.000	0.000	Strato1_2_8_L_0									
64 D	17.03	-7.5001E-03	280.1	85.14	280.1	148.4	ACTIVE	0.000	-12.60	0.000	1.000	1.000
85.14	0.000	0.000	Strato1_2_8_L_0									
65 D	17.28	-6.9993E-03	284.3	86.42	284.3	150.7	ACTIVE	0.000	-12.80	0.000	1.000	1.000
86.42	0.000	0.000	Strato1_2_8_L_0									
66 D	17.81	-6.5134E-03	287.7	89.04	287.7	152.5	UL-RL	8488.	-13.00	0.000	1.000	1.000
89.04	0.000	0.000	Strato1_2_8_L_0									
67 D	9.847	-6.0430E-03	292.0	49.24	292.0	146.0	ACTIVE	0.000	-13.20	0.000	1.000	1.000
49.24	0.000	0.000	Strato2_3095_82743_L_0									
68 D	10.02	-5.5884E-03	295.7	50.10	295.7	147.8	ACTIVE	0.000	-13.40	0.000	1.000	1.000
50.10	0.000	0.000	Strato2_3095_82743_L_0									
69 D	10.22	-5.1499E-03	300.0	51.11	300.0	150.0	ACTIVE	0.000	-13.60	0.000	1.000	1.000
51.11	0.000	0.000	Strato2_3095_82743_L_0									
70 D	10.39	-4.7277E-03	303.7	51.97	303.7	151.8	ACTIVE	0.000	-13.80	0.000	1.000	1.000
51.97	0.000	0.000	Strato2_3095_82743_L_0									
71 D	10.60	-4.3215E-03	308.0	53.00	308.0	154.0	ACTIVE	0.000	-14.00	0.000	1.000	1.000
53.00	0.000	0.000	Strato2_3095_82743_L_0									
72 D	10.77	-3.9311E-03	311.7	53.86	311.7	155.9	ACTIVE	0.000	-14.20	0.000	1.000	1.000
53.86	0.000	0.000	Strato2_3095_82743_L_0									
73 D	10.98	-3.5563E-03	316.1	54.89	316.1	158.0	ACTIVE	0.000	-14.40	0.000	1.000	1.000
54.89	0.000	0.000	Strato2_3095_82743_L_0									
74 D	12.50	-3.1963E-03	319.8	62.52	319.8	159.9	UL-RL	2.4012E+04	-14.60	0.000	1.000	1.000
62.52	0.000	0.000	Strato2_3095_82743_L_0									
75 D	14.63	-2.8505E-03	324.1	73.15	324.1	162.1	UL-RL	2.4012E+04	-14.80	0.000	1.000	1.000
73.15	0.000	0.000	Strato2_3095_82743_L_0									
76 D	16.61	-2.5180E-03	327.7	83.05	327.7	163.9	UL-RL	2.4012E+04	-15.00	0.000	1.000	1.000
83.05	0.000	0.000	Strato2_3095_82743_L_0									

77 D	18.60	-2.1980E-03	332.1	92.99	332.1	166.0	UL-RL	2.4012E+04	-15.20	0.000	1.000	1.000
92.99	0.000	0.000	Strato2_3095_82743_L_0									
78 D	20.46	-1.8893E-03	335.8	102.3	335.8	167.9	UL-RL	2.4012E+04	-15.40	0.000	1.000	1.000
102.3	0.000	0.000	Strato2_3095_82743_L_0									
79 D	22.34	-1.5910E-03	340.1	111.7	340.1	170.1	UL-RL	2.4012E+04	-15.60	0.000	1.000	1.000
111.7	0.000	0.000	Strato2_3095_82743_L_0									
80 D	24.10	-1.3019E-03	343.8	120.5	343.8	171.9	UL-RL	2.4012E+04	-15.80	0.000	1.000	1.000
120.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	25.88	-1.0209E-03	348.2	129.4	348.2	174.1	UL-RL	2.4012E+04	-16.00	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	27.63	-7.4687E-04	352.5	138.1	352.5	176.2	UL-RL	2.4012E+04	-16.20	0.000	1.000	1.000
138.1	0.000	0.000	Strato2_3095_82743_L_0									
83 D	29.28	-4.7868E-04	356.2	146.4	356.2	178.1	UL-RL	2.4012E+04	-16.40	0.000	1.000	1.000
146.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	30.96	-2.1529E-04	360.4	154.8	360.4	180.2	UL-RL	2.4012E+04	-16.60	0.000	1.000	1.000
154.8	0.000	0.000	Strato2_3095_82743_L_0									
85 D	32.57	4.4293E-05	364.2	162.9	364.2	182.1	UL-RL	2.4012E+04	-16.80	0.000	1.000	1.000
162.9	0.000	0.000	Strato2_3095_82743_L_0									
86 D	34.23	3.0097E-04	368.5	171.1	368.5	184.2	UL-RL	2.4012E+04	-17.00	0.000	1.000	1.000
171.1	0.000	0.000	Strato2_3095_82743_L_0									
87 D	35.81	5.5558E-04	372.2	179.1	372.2	186.1	UL-RL	2.4012E+04	-17.20	0.000	1.000	1.000
179.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	37.45	8.0881E-04	376.5	187.2	376.5	188.3	UL-RL	2.4012E+04	-17.40	0.000	1.000	1.000
187.2	0.000	0.000	Strato2_3095_82743_L_0									
89 D	38.36	1.0612E-03	380.2	191.8	380.2	191.8	V-C	8004.	-17.60	0.000	1.000	1.000
191.8	0.000	0.000	Strato2_3095_82743_L_0									
90 D	39.19	1.3133E-03	384.5	195.9	384.5	195.9	V-C	8004.	-17.80	0.000	1.000	1.000
195.9	0.000	0.000	Strato2_3095_82743_L_0									
91 D	19.98	1.5652E-03	388.2	199.8	388.2	199.8	V-C	8004.	-18.00	0.000	1.000	1.000
199.8	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                 Exe Time :29 July 2019      18:00:08                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									

15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49	D 1.536	1.6110E-02	1.900	7.678	182.4	100.7	PASSIVE	0.000	-9.600	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
50	D 4.607	1.5521E-02	5.700	23.03	186.2	102.5	PASSIVE	0.000	-9.800	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
51	D 7.678	1.4927E-02	9.500	38.39	190.0	104.5	PASSIVE	0.000	-10.00	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
52	D 10.75	1.4330E-02	13.30	53.75	193.8	106.4	PASSIVE	0.000	-10.20	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
53	D 13.82	1.3731E-02	17.10	69.10	197.6	108.4	PASSIVE	0.000	-10.40	0.000	1.000	1.000	69.10	0.000	0.000	Strato1_2_8_L_0
54	D 16.89	1.3133E-02	20.90	84.46	201.4	110.3	PASSIVE	0.000	-10.60	0.000	1.000	1.000	84.46	0.000	0.000	Strato1_2_8_L_0
55	D 19.96	1.2537E-02	24.70	99.81	205.2	112.3	PASSIVE	0.000	-10.80	0.000	1.000	1.000	99.81	0.000	0.000	Strato1_2_8_L_0
56	D 23.03	1.1944E-02	28.50	115.2	209.0	115.2	PASSIVE	0.000	-11.00	0.000	1.000	1.000	115.2	0.000	0.000	Strato1_2_8_L_0
57	D 26.10	1.1356E-02	32.30	130.5	212.8	130.5	PASSIVE	0.000	-11.20	0.000	1.000	1.000				

130.5	0.000	0.000	Strato1_2_8_L_0									
58 D	27.89	1.0775E-02	36.10	139.5	216.6	139.5	V-C	2079.	-11.40	0.000	1.000	1.000
139.5	0.000	0.000	Strato1_2_8_L_0									
59 D	28.04	1.0202E-02	39.90	140.2	220.4	140.2	V-C	2079.	-11.60	0.000	1.000	1.000
140.2	0.000	0.000	Strato1_2_8_L_0									
60 D	28.20	9.6381E-03	43.70	141.0	224.2	141.0	V-C	2079.	-11.80	0.000	1.000	1.000
141.0	0.000	0.000	Strato1_2_8_L_0									
61 D	28.36	9.0851E-03	47.50	141.8	228.0	141.8	V-C	2079.	-12.00	0.000	1.000	1.000
141.8	0.000	0.000	Strato1_2_8_L_0									
62 D	28.53	8.5438E-03	51.30	142.7	231.8	142.7	V-C	2079.	-12.20	0.000	1.000	1.000
142.7	0.000	0.000	Strato1_2_8_L_0									
63 D	28.70	8.0152E-03	55.10	143.5	235.6	143.5	V-C	2079.	-12.40	0.000	1.000	1.000
143.5	0.000	0.000	Strato1_2_8_L_0									
64 D	28.88	7.5001E-03	58.90	144.4	239.4	144.4	V-C	2079.	-12.60	0.000	1.000	1.000
144.4	0.000	0.000	Strato1_2_8_L_0									
65 D	29.07	6.9993E-03	62.70	145.4	243.2	145.4	V-C	2079.	-12.80	0.000	1.000	1.000
145.4	0.000	0.000	Strato1_2_8_L_0									
66 D	29.26	6.5134E-03	66.50	146.3	247.0	146.3	V-C	2079.	-13.00	0.000	1.000	1.000
146.3	0.000	0.000	Strato1_2_8_L_0									
67 D	27.52	6.0430E-03	70.40	137.6	250.9	137.6	V-C	4593.	-13.20	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
68 D	27.51	5.5884E-03	74.40	137.5	254.9	137.5	V-C	4593.	-13.40	0.000	1.000	1.000
137.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	27.52	5.1499E-03	78.40	137.6	258.9	137.6	V-C	4593.	-13.60	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.54	4.7277E-03	82.40	137.7	262.9	137.7	V-C	4593.	-13.80	0.000	1.000	1.000
137.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.57	4.3215E-03	86.40	137.8	266.9	137.9	UL-RL	1.3780E+04	-14.00	0.000	1.000	1.000
137.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.00	3.9311E-03	90.40	135.0	270.9	139.8	UL-RL	1.3780E+04	-14.20	0.000	1.000	1.000
135.0	0.000	0.000	Strato2_3095_82743_L_0									
73 D	26.47	3.5563E-03	94.40	132.4	274.9	141.6	UL-RL	1.3780E+04	-14.40	0.000	1.000	1.000
132.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.98	3.1963E-03	98.40	129.9	278.9	143.4	UL-RL	1.3780E+04	-14.60	0.000	1.000	1.000
129.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	25.52	2.8505E-03	102.4	127.6	282.9	145.3	UL-RL	1.3780E+04	-14.80	0.000	1.000	1.000
127.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	25.10	2.5180E-03	106.4	125.5	286.9	147.1	UL-RL	1.3780E+04	-15.00	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	24.70	2.1980E-03	110.4	123.5	290.9	149.0	UL-RL	1.3780E+04	-15.20	0.000	1.000	1.000
123.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	24.34	1.8893E-03	114.4	121.7	294.9	150.9	UL-RL	1.3780E+04	-15.40	0.000	1.000	1.000
121.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	24.00	1.5910E-03	118.4	120.0	298.9	152.8	UL-RL	1.3780E+04	-15.60	0.000	1.000	1.000
120.0	0.000	0.000	Strato2_3095_82743_L_0									
80 D	23.68	1.3019E-03	122.4	118.4	302.9	154.7	UL-RL	1.3780E+04	-15.80	0.000	1.000	1.000
118.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	23.38	1.0209E-03	126.4	116.9	306.9	156.6	UL-RL	1.3780E+04	-16.00	0.000	1.000	1.000
116.9	0.000	0.000	Strato2_3095_82743_L_0									
82 D	23.10	7.4687E-04	130.4	115.5	310.9	158.5	UL-RL	1.3780E+04	-16.20	0.000	1.000	1.000
115.5	0.000	0.000	Strato2_3095_82743_L_0									
83 D	22.83	4.7868E-04	134.4	114.1	314.9	160.5	UL-RL	1.3780E+04	-16.40	0.000	1.000	1.000
114.1	0.000	0.000	Strato2_3095_82743_L_0									
84 D	22.57	2.1529E-04	138.4	112.9	318.9	162.4	UL-RL	1.3780E+04	-16.60	0.000	1.000	1.000
112.9	0.000	0.000	Strato2_3095_82743_L_0									
85 D	22.32	-4.4293E-05	142.4	111.6	322.9	164.3	UL-RL	1.3780E+04	-16.80	0.000	1.000	1.000
111.6	0.000	0.000	Strato2_3095_82743_L_0									
86 D	22.08	-3.0097E-04	146.4	110.4	326.9	166.3	UL-RL	1.3780E+04	-17.00	0.000	1.000	1.000
110.4	0.000	0.000	Strato2_3095_82743_L_0									
87 D	21.84	-5.5558E-04	150.4	109.2	330.9	168.2	UL-RL	1.3780E+04	-17.20	0.000	1.000	1.000
109.2	0.000	0.000	Strato2_3095_82743_L_0									
88 D	21.60	-8.0881E-04	154.4	108.0	334.9	170.1	UL-RL	1.3780E+04	-17.40	0.000	1.000	1.000
108.0	0.000	0.000	Strato2_3095_82743_L_0									
89 D	21.37	-1.0612E-03	158.4	106.8	338.9	172.1	UL-RL	1.3780E+04	-17.60	0.000	1.000	1.000
106.8	0.000	0.000	Strato2_3095_82743_L_0									
90 D	21.13	-1.3133E-03	162.4	105.7	342.9	174.0	UL-RL	1.3780E+04	-17.80	0.000	1.000	1.000
105.7	0.000	0.000	Strato2_3095_82743_L_0									
91 D	10.45	-1.5652E-03	166.4	104.5	346.9	175.9	UL-RL	1.3780E+04	-18.00	0.000	1.000	1.000
104.5	0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                    Exe Time :29 July 2019      18:00:08                                                |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33 :

ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T T I M E I S 5.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.35082	-0.35082	6.07518E-10	7.01632E-02
2	1.0585	-1.0585	-7.01632E-02	0.28187
3	3.0278	-3.0278	-0.28187	0.88744
4	5.0955	-5.0955	-0.88744	1.9065
5	7.9121	-7.9121	-1.9065	3.4890
6	10.820	-10.820	-3.4890	5.6529
7	14.283	-14.283	-5.6529	8.5095
8	17.853	-17.853	-8.5095	12.080
9	21.840	-21.840	-12.080	16.448
10	25.955	-25.955	-16.448	21.639
11	30.485	-30.485	-21.639	27.736
12	35.154	-35.154	-27.736	34.767
13	40.204	-40.204	-34.767	42.808
14	45.401	-45.401	-42.808	51.888
15	50.955	-50.955	-51.888	62.079
16	-164.59	164.59	-62.079	29.160
17	-158.57	158.57	-29.160	-2.5533
18	-152.38	152.38	2.5533	-33.029
19	-145.86	145.86	33.029	-62.202
20	-139.18	139.18	62.202	-90.037
21	-132.18	132.18	90.037	-116.47
22	-125.00	125.00	116.47	-141.47
23	-117.52	117.52	141.47	-164.98
24	-109.88	109.88	164.98	-186.95
25	-101.93	101.93	186.95	-207.34
26	-93.804	93.804	207.34	-226.10
27	-85.381	85.381	226.10	-243.17
28	-76.774	76.774	243.17	-258.53
29	-67.876	67.876	258.53	-272.10
30	-58.791	58.791	272.10	-283.86
31	-49.433	49.433	283.86	-293.75
32	-39.885	39.885	293.75	-301.73
33	-30.054	30.054	301.73	-307.74
34	-20.030	20.030	307.74	-311.74
35	-9.7274	9.7274	311.74	-313.69
36	0.76970	-0.76970	313.69	-313.54
37	11.544	-11.544	313.54	-311.23
38	22.513	-22.513	311.23	-306.72
39	33.746	-33.746	306.72	-299.97
40	45.177	-45.177	299.97	-290.94
41	56.880	-56.880	290.94	-279.56
42	68.782	-68.782	279.56	-265.81
43	80.954	-80.954	265.81	-249.62
44	93.326	-93.326	249.62	-230.95
45	105.97	-105.97	230.95	-209.76
46	118.80	-118.80	209.76	-186.00
47	131.90	-131.90	186.00	-159.62
48	145.20	-145.20	159.62	-130.58
49	157.23	-157.23	130.58	-99.132
50	166.40	-166.40	99.132	-65.853
51	172.75	-172.75	65.853	-31.302
52	176.24	-176.24	31.302	3.9463
53	176.92	-176.92	-3.9463	39.331
54	174.73	-174.73	-39.331	74.277
55	169.73	-169.73	-74.277	108.22
56	161.86	-161.86	-108.22	140.60
57	151.18	-151.18	-140.60	170.83
58	138.93	-138.93	-170.83	198.62
59	126.77	-126.77	-198.62	223.97
60	114.67	-114.67	-223.97	246.91
61	102.66	-102.66	-246.91	267.44
62	90.694	-90.694	-267.44	285.58
63	78.808	-78.808	-285.58	301.34
64	66.952	-66.952	-301.34	314.73
65	55.166	-55.166	-314.73	325.76
66	43.711	-43.711	-325.76	334.51
67	26.043	-26.043	-334.51	339.71
68	8.5531	-8.5531	-339.71	341.43
69	-8.7444	8.7444	-341.43	339.68
70	-25.893	25.893	-339.68	334.50
71	-42.863	42.863	-334.50	325.93
72	-59.091	59.091	-325.93	314.11
73	-74.585	74.585	-314.11	299.19
74	-88.061	88.061	-299.19	281.58
75	-98.953	98.953	-281.58	261.79
76	-107.44	107.44	-261.79	240.30
77	-113.55	113.55	-240.30	217.59
78	-117.42	117.42	-217.59	194.11

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   79 -119.08      119.08     -194.11      170.29
   80 -118.66      118.66     -170.29      146.56
   81 -116.16      116.16     -146.56      123.32
   82 -111.63      111.63     -123.32      101.00
   83 -105.18      105.18     -101.00      79.963
   84 -96.787      96.787     -79.963      60.604
   85 -86.535      86.535     -60.604      43.297
   86 -74.388      74.388     -43.297      28.420
   87 -60.415      60.415     -28.420      16.337
   88 -44.572      44.572     -16.337      7.4222
   89 -27.582      27.582     -7.4222      1.9057
   90 -9.5285      9.5285     -1.9057     2.39591E-11


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   229.04     -1.07620E-03  2.12367E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1795E+07 RIMNOR=0.7481E+07
           RENORM=0.5831E+05 REMNOR=0.3188E-17 RATIO =0.1802     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 341.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1795E+07 RDR   =0.7481E+07
           RATIOT=0.1802     RATIOR= 0.000
           MAX UN=0.8448E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-241.5     IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1795E+07 RIMNOR=0.7481E+07
           RENORM= 3.325     REMNOR=0.2652E-17 RATIO =0.1361E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 341.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1795E+07 RDR   =0.7481E+07
           RATIOT=0.1361E-02 RATIOR= 0.000
           MAX UN=0.2814     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-1.798     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      3 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1795E+07 RIMNOR=0.7481E+07
            RENORM=0.4422E-15 REMNOR=0.2033E-17 RATIO =0.1570E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 241.5      RMMAX = 341.4
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1795E+07 RDR   =0.7481E+07
            RATIOT=0.1570E-10 RATIOR= 0.000
            MAX UN=0.5330E-08 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
            MIN UN=-.5757E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                 |
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New Project
SOLUTION REACHED USING     3 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   3.3983406E-02  -1.8523344E-03
    2   3.3612940E-02  -1.8523261E-03
    3   3.3242478E-02  -1.8522843E-03
    4   3.2872033E-02  -1.8521455E-03
    5   3.2501633E-02  -1.8518139E-03
    6   3.2131328E-02  -1.8511734E-03
    7   3.1761193E-02  -1.8500883E-03
    8   3.1391332E-02  -1.8484072E-03
    9   3.1021881E-02  -1.8459632E-03
   10   3.0653010E-02  -1.8425768E-03
   11   3.0284926E-02  -1.8380554E-03
   12   2.9917877E-02  -1.8321886E-03
   13   2.9552156E-02  -1.8247450E-03
   14   2.9188101E-02  -1.8154727E-03
   15   2.8826107E-02  -1.8040990E-03
   16   2.8466621E-02  -1.7903314E-03
   17   2.8109808E-02  -1.7790557E-03
   18   2.7754508E-02  -1.7751386E-03
   19   2.7399285E-02  -1.7782283E-03
   20   2.7042775E-02  -1.7879534E-03
   21   2.6683688E-02  -1.8039226E-03
   22   2.6320817E-02  -1.8257251E-03
   23   2.5953037E-02  -1.8529303E-03
   24   2.5579316E-02  -1.8850882E-03
   25   2.5198705E-02  -1.9217301E-03
   26   2.4810358E-02  -1.9623682E-03
   27   2.4413525E-02  -2.0064955E-03
   28   2.4007562E-02  -2.0535860E-03
   29   2.3591932E-02  -2.1030946E-03
   30   2.3166203E-02  -2.1544581E-03
   31   2.2730064E-02  -2.2070941E-03
   32   2.2283320E-02  -2.2604024E-03
   33   2.1825899E-02  -2.3137651E-03
   34   2.1357853E-02  -2.3665464E-03
   35   2.0879365E-02  -2.4180925E-03
   36   2.0390745E-02  -2.4677334E-03
   37   1.9892445E-02  -2.5147814E-03
   38   1.9385052E-02  -2.5585326E-03
   39   1.8869299E-02  -2.5982670E-03
   40   1.8346065E-02  -2.6332493E-03
   41   1.7816369E-02  -2.6627301E-03
   42   1.7281391E-02  -2.6859450E-03
   43   1.6742461E-02  -2.7021162E-03
   44   1.6201067E-02  -2.7104528E-03
   45   1.5658858E-02  -2.7101520E-03
   46   1.5117625E-02  -2.7003991E-03
   47   1.4578988E-02  -2.6861031E-03
   48   1.4043160E-02  -2.6721630E-03
   49   1.3510158E-02  -2.6577370E-03
   50   1.2980157E-02  -2.6419783E-03
   51   1.2453510E-02  -2.6240676E-03
   52   1.1930719E-02  -2.6032858E-03
   53   1.1412423E-02  -2.5790586E-03
   54   1.0899353E-02  -2.5509571E-03
   55   1.0392317E-02  -2.5186988E-03
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  56   9.8921600E-03  -2.4821485E-03
  57   9.3997428E-03  -2.4413183E-03
  58   8.9159074E-03  -2.3963682E-03
  59   8.4414516E-03  -2.3475760E-03
  60   7.9771113E-03  -2.2952682E-03
  61   7.5235563E-03  -2.2397813E-03
  62   7.0813876E-03  -2.1814623E-03
  63   6.6511363E-03  -2.1206692E-03
  64   6.2332603E-03  -2.0577706E-03
  65   5.8281431E-03  -1.9931463E-03
  66   5.4360908E-03  -1.9271870E-03
  67   5.0573310E-03  -1.8602875E-03
  68   4.6920092E-03  -1.7928867E-03
  69   4.3401766E-03  -1.7254817E-03
  70   4.0017822E-03  -1.6585922E-03
  71   3.6766692E-03  -1.5927604E-03
  72   3.3645699E-03  -1.5285503E-03
  73   3.0651176E-03  -1.4665357E-03
  74   2.7777872E-03  -1.4072738E-03
  75   2.5019894E-03  -1.3512921E-03
  76   2.2370223E-03  -1.2990317E-03
  77   1.9821055E-03  -1.2508396E-03
  78   1.7363981E-03  -1.2069731E-03
  79   1.4990165E-03  -1.1676030E-03
  80   1.2690513E-03  -1.1328168E-03
  81   1.0455837E-03  -1.1026215E-03
  82   8.2770136E-04  -1.0769462E-03
  83   6.1451376E-04  -1.0556430E-03
  84   4.0516749E-04  -1.0384900E-03
  85   1.9885043E-04  -1.0251927E-03
  86  -5.1527207E-06  -1.0153875E-03
  87  -2.0750831E-04  -1.0086386E-03
  88  -4.0877827E-04  -1.0044414E-03
  89  -6.0941676E-04  -1.0022225E-03
  90  -8.0975735E-04  -1.0013550E-03
  91  -1.0100048E-03  -1.0011786E-03
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                            |
|                                 NewProject.BaseDesignSection_28.A1M1R1_3484                               |
|                              Exe Time :29 July 2019      18:00:08                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                                   :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T    T I M E    I S      6.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq            Su_a         Su_p       LAYER
------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------

   1 D  0.3508     -3.3983E-02  11.54        3.508       11.54       16.58          ACTIVE  0.000        0.000       0.000         1.000        1.000
3.508        0.000        0.000      Strato1_2_8_L_0
   2 D  0.7077     -3.3613E-02  11.64        3.539       11.64       16.44          ACTIVE  0.000      -0.2000       0.000         1.000        1.000
3.539        0.000        0.000      Strato1_2_8_L_0
   3 D  1.969      -3.3242E-02  32.39        9.846       32.39       25.69          ACTIVE  0.000      -0.4000       0.000         1.000        1.000
9.846        0.000        0.000      Strato1_2_8_L_0
   4 D  2.068      -3.2872E-02  34.01        10.34       34.01       26.24          ACTIVE  0.000      -0.6000       0.000         1.000        1.000
10.34        0.000        0.000      Strato1_2_8_L_0
   5 D  2.817      -3.2502E-02  46.33        14.08       46.33       31.65          ACTIVE  0.000      -0.8000       0.000         1.000        1.000
14.08        0.000        0.000      Strato1_2_8_L_0
   6 D  2.908      -3.2131E-02  47.82        14.54       47.82       32.15          ACTIVE  0.000       -1.000       0.000         1.000        1.000
14.54        0.000        0.000      Strato1_2_8_L_0
   7 D  3.463      -3.1761E-02  56.96        17.32       56.96       36.11          ACTIVE  0.000       -1.200       0.000         1.000        1.000
17.32        0.000        0.000      Strato1_2_8_L_0
   8 D  3.570      -3.1391E-02  58.71        17.85       58.71       36.72          ACTIVE  0.000       -1.400       0.000         1.000        1.000
17.85        0.000        0.000      Strato1_2_8_L_0
   9 D  3.987      -3.1022E-02  65.58        19.94       65.58       39.64          ACTIVE  0.000       -1.600       0.000         1.000        1.000
19.94        0.000        0.000      Strato1_2_8_L_0
  10 D  4.134      -3.0653E-02  67.67        20.67       67.67       40.38           UL-RL  8488.       -1.800       0.000         1.000        1.000
20.67        0.000        0.000      Strato1_2_8_L_0
  11 D  4.721      -3.0285E-02  74.52        23.60       74.52       43.28           UL-RL  8488.       -2.000       0.000         1.000        1.000
23.60        0.000        0.000      Strato1_2_8_L_0
```

12 D	5.030	-2.9918E-02	76.79	25.15	76.79	44.09	UL-RL	8488.	-2.200	0.000	1.000	1.000
25.15	0.000	0.000	Strato1_2_8_L_0									
13 D	5.582	-2.9552E-02	83.06	27.91	83.06	46.70	UL-RL	8488.	-2.400	0.000	1.000	1.000
27.91	0.000	0.000	Strato1_2_8_L_0									
14 D	5.900	-2.9188E-02	85.48	29.50	85.48	47.55	UL-RL	8488.	-2.600	0.000	1.000	1.000
29.50	0.000	0.000	Strato1_2_8_L_0									
15 D	6.428	-2.8826E-02	91.36	32.14	91.36	49.94	UL-RL	8488.	-2.800	0.000	1.000	1.000
32.14	0.000	0.000	Strato1_2_8_L_0									
16 D	6.728	-2.8467E-02	93.48	33.64	93.48	50.61	UL-RL	8488.	-3.000	0.000	1.000	1.000
33.64	0.000	0.000	Strato1_2_8_L_0									
17 D	7.240	-2.8110E-02	99.09	36.20	99.09	52.84	UL-RL	8488.	-3.200	0.000	1.000	1.000
36.20	0.000	0.000	Strato1_2_8_L_0									
18 D	7.574	-2.7755E-02	101.8	37.87	101.8	53.95	UL-RL	8488.	-3.400	0.000	1.000	1.000
37.87	0.000	0.000	Strato1_2_8_L_0									
19 D	8.072	-2.7399E-02	107.2	40.36	107.2	56.80	UL-RL	8488.	-3.600	0.000	1.000	1.000
40.36	0.000	0.000	Strato1_2_8_L_0									
20 D	8.410	-2.7043E-02	109.9	42.05	109.9	58.27	UL-RL	8488.	-3.800	0.000	1.000	1.000
42.05	0.000	0.000	Strato1_2_8_L_0									
21 D	8.896	-2.6684E-02	115.2	44.48	115.2	61.03	UL-RL	8488.	-4.000	0.000	1.000	1.000
44.48	0.000	0.000	Strato1_2_8_L_0									
22 D	9.238	-2.6321E-02	118.0	46.19	118.0	62.54	UL-RL	8488.	-4.200	0.000	1.000	1.000
46.19	0.000	0.000	Strato1_2_8_L_0									
23 D	9.713	-2.5953E-02	123.1	48.57	123.1	65.23	UL-RL	8488.	-4.400	0.000	1.000	1.000
48.57	0.000	0.000	Strato1_2_8_L_0									
24 D	10.04	-2.5579E-02	125.7	50.20	125.7	66.63	UL-RL	8488.	-4.600	0.000	1.000	1.000
50.20	0.000	0.000	Strato1_2_8_L_0									
25 D	10.51	-2.5199E-02	130.7	52.53	130.7	69.26	UL-RL	8488.	-4.800	0.000	1.000	1.000
52.53	0.000	0.000	Strato1_2_8_L_0									
26 D	10.85	-2.4810E-02	133.7	54.25	133.7	70.84	UL-RL	8488.	-5.000	0.000	1.000	1.000
54.25	0.000	0.000	Strato1_2_8_L_0									
27 D	11.31	-2.4414E-02	138.5	56.53	138.5	73.42	UL-RL	8488.	-5.200	0.000	1.000	1.000
56.53	0.000	0.000	Strato1_2_8_L_0									
28 D	11.65	-2.4008E-02	141.6	58.24	141.6	75.03	UL-RL	8488.	-5.400	0.000	1.000	1.000
58.24	0.000	0.000	Strato1_2_8_L_0									
29 D	12.09	-2.3592E-02	146.3	60.46	146.3	77.56	UL-RL	8488.	-5.600	0.000	1.000	1.000
60.46	0.000	0.000	Strato1_2_8_L_0									
30 D	12.43	-2.3166E-02	149.4	62.15	149.4	79.20	UL-RL	8488.	-5.800	0.000	1.000	1.000
62.15	0.000	0.000	Strato1_2_8_L_0									
31 D	12.85	-2.2730E-02	153.9	64.25	153.9	81.58	UL-RL	8488.	-6.000	0.000	1.000	1.000
64.25	0.000	0.000	Strato1_2_8_L_0									
32 D	13.18	-2.2283E-02	157.0	65.91	157.0	83.23	UL-RL	8488.	-6.200	0.000	1.000	1.000
65.91	0.000	0.000	Strato1_2_8_L_0									
33 D	13.60	-2.1826E-02	161.7	68.00	161.7	85.70	UL-RL	8488.	-6.400	0.000	1.000	1.000
68.00	0.000	0.000	Strato1_2_8_L_0									
34 D	13.92	-2.1358E-02	164.9	69.61	164.9	87.37	UL-RL	8488.	-6.600	0.000	1.000	1.000
69.61	0.000	0.000	Strato1_2_8_L_0									
35 D	14.32	-2.0879E-02	169.5	71.62	169.5	89.81	UL-RL	8488.	-6.800	0.000	1.000	1.000
71.62	0.000	0.000	Strato1_2_8_L_0									
36 D	14.63	-2.0391E-02	172.6	73.17	172.6	91.50	UL-RL	8488.	-7.000	0.000	1.000	1.000
73.17	0.000	0.000	Strato1_2_8_L_0									
37 D	15.02	-1.9892E-02	177.2	75.08	177.2	93.92	UL-RL	8488.	-7.200	0.000	1.000	1.000
75.08	0.000	0.000	Strato1_2_8_L_0									
38 D	15.31	-1.9385E-02	180.4	76.54	180.4	95.62	UL-RL	8488.	-7.400	0.000	1.000	1.000
76.54	0.000	0.000	Strato1_2_8_L_0									
39 D	15.66	-1.8869E-02	184.8	78.29	184.8	97.92	UL-RL	8488.	-7.600	0.000	1.000	1.000
78.29	0.000	0.000	Strato1_2_8_L_0									
40 D	15.93	-1.8346E-02	188.0	79.64	188.0	99.64	UL-RL	8488.	-7.800	0.000	1.000	1.000
79.64	0.000	0.000	Strato1_2_8_L_0									
41 D	16.26	-1.7816E-02	192.5	81.30	192.5	102.0	UL-RL	8488.	-8.000	0.000	1.000	1.000
81.30	0.000	0.000	Strato1_2_8_L_0									
42 D	16.50	-1.7281E-02	195.8	82.52	195.8	103.7	UL-RL	8488.	-8.200	0.000	1.000	1.000
82.52	0.000	0.000	Strato1_2_8_L_0									
43 D	16.80	-1.6742E-02	200.2	84.02	200.2	106.1	UL-RL	8488.	-8.400	0.000	1.000	1.000
84.02	0.000	0.000	Strato1_2_8_L_0									
44 D	17.02	-1.6201E-02	203.5	85.09	203.5	107.8	UL-RL	8488.	-8.600	0.000	1.000	1.000
85.09	0.000	0.000	Strato1_2_8_L_0									
45 D	17.28	-1.5659E-02	207.9	86.40	207.9	110.2	UL-RL	8488.	-8.800	0.000	1.000	1.000
86.40	0.000	0.000	Strato1_2_8_L_0									
46 D	17.45	-1.5118E-02	211.1	87.23	211.1	111.9	UL-RL	8488.	-9.000	0.000	1.000	1.000
87.23	0.000	0.000	Strato1_2_8_L_0									
47 D	17.67	-1.4579E-02	215.4	88.33	215.4	114.2	UL-RL	8488.	-9.200	0.000	1.000	1.000
88.33	0.000	0.000	Strato1_2_8_L_0									
48 D	17.80	-1.4043E-02	218.8	89.00	218.8	116.0	UL-RL	8488.	-9.400	0.000	1.000	1.000
89.00	0.000	0.000	Strato1_2_8_L_0									
49 D	17.98	-1.3510E-02	223.1	89.90	223.1	118.3	UL-RL	8488.	-9.600	0.000	1.000	1.000
89.90	0.000	0.000	Strato1_2_8_L_0									
50 D	18.08	-1.2980E-02	226.5	90.42	226.5	120.0	UL-RL	8488.	-9.800	0.000	1.000	1.000
90.42	0.000	0.000	Strato1_2_8_L_0									
51 D	18.23	-1.2454E-02	230.8	91.17	230.8	122.3	UL-RL	8488.	-10.00	0.000	1.000	1.000
91.17	0.000	0.000	Strato1_2_8_L_0									
52 D	18.31	-1.1931E-02	234.2	91.56	234.2	124.1	UL-RL	8488.	-10.20	0.000	1.000	1.000
91.56	0.000	0.000	Strato1_2_8_L_0									
53 D	18.44	-1.1412E-02	238.5	92.19	238.5	126.4	UL-RL	8488.	-10.40	0.000	1.000	1.000
92.19	0.000	0.000	Strato1_2_8_L_0									
54 D	18.49	-1.0899E-02	241.8	92.46	241.8	128.1	UL-RL	8488.	-10.60	0.000	1.000	1.000

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92.46        0.000       0.000     Strato1_2_8_L_0
 55 D   18.60     -1.0392E-02  246.1          93.00         246.1         130.4          UL-RL   8488.      -10.80       0.000        1.000        1.000
93.00        0.000       0.000     Strato1_2_8_L_0
 56 D   18.65     -9.8922E-03  249.5          93.25         249.5         132.2          UL-RL   8488.      -11.00       0.000        1.000        1.000
93.25        0.000       0.000     Strato1_2_8_L_0
 57 D   18.75     -9.3997E-03  253.7          93.74         253.7         134.5          UL-RL   8488.      -11.20       0.000        1.000        1.000
93.74        0.000       0.000     Strato1_2_8_L_0
 58 D   18.79     -8.9159E-03  257.1          93.95         257.1         136.3          UL-RL   8488.      -11.40       0.000        1.000        1.000
93.95        0.000       0.000     Strato1_2_8_L_0
 59 D   18.88     -8.4415E-03  261.4          94.41         261.4         138.5          UL-RL   8488.      -11.60       0.000        1.000        1.000
94.41        0.000       0.000     Strato1_2_8_L_0
 60 D   18.92     -7.9771E-03  264.8          94.60         264.8         140.4          UL-RL   8488.      -11.80       0.000        1.000        1.000
94.60        0.000       0.000     Strato1_2_8_L_0
 61 D   19.00     -7.5236E-03  269.0          95.02         269.0         142.5          UL-RL   8488.      -12.00       0.000        1.000        1.000
95.02        0.000       0.000     Strato1_2_8_L_0
 62 D   19.04     -7.0814E-03  272.4          95.22         272.4         144.4          UL-RL   8488.      -12.20       0.000        1.000        1.000
95.22        0.000       0.000     Strato1_2_8_L_0
 63 D   19.13     -6.6511E-03  276.6          95.67         276.6         146.6          UL-RL   8488.      -12.40       0.000        1.000        1.000
95.67        0.000       0.000     Strato1_2_8_L_0
 64 D   19.18     -6.2333E-03  280.1          95.89         280.1         148.4          UL-RL   8488.      -12.60       0.000        1.000        1.000
95.89        0.000       0.000     Strato1_2_8_L_0
 65 D   19.27     -5.8281E-03  284.3          96.36         284.3         150.7          UL-RL   8488.      -12.80       0.000        1.000        1.000
96.36        0.000       0.000     Strato1_2_8_L_0
 66 D   19.64     -5.4361E-03  287.7          98.19         287.7         152.5          UL-RL   8488.      -13.00       0.000        1.000        1.000
98.19        0.000       0.000     Strato1_2_8_L_0
 67 D   14.58     -5.0573E-03  292.0          72.90         292.0         146.0          UL-RL  2.4012E+04  -13.20       0.000        1.000        1.000
72.90        0.000       0.000     Strato2_3095_82743_L_0
 68 D   14.32     -4.6920E-03  295.7          71.62         295.7         147.8          UL-RL  2.4012E+04  -13.40       0.000        1.000        1.000
71.62        0.000       0.000     Strato2_3095_82743_L_0
 69 D   14.11     -4.3402E-03  300.0          70.55         300.0         150.0          UL-RL  2.4012E+04  -13.60       0.000        1.000        1.000
70.55        0.000       0.000     Strato2_3095_82743_L_0
 70 D   13.88     -4.0018E-03  303.7          69.40         303.7         151.8          UL-RL  2.4012E+04  -13.80       0.000        1.000        1.000
69.40        0.000       0.000     Strato2_3095_82743_L_0
 71 D   13.70     -3.6767E-03  308.0          68.48         308.0         154.0          UL-RL  2.4012E+04  -14.00       0.000        1.000        1.000
68.48        0.000       0.000     Strato2_3095_82743_L_0
 72 D   13.49     -3.3646E-03  311.7          67.47         311.7         155.9          UL-RL  2.4012E+04  -14.20       0.000        1.000        1.000
67.47        0.000       0.000     Strato2_3095_82743_L_0
 73 D   13.34     -3.0651E-03  316.1          66.68         316.1         158.0          UL-RL  2.4012E+04  -14.40       0.000        1.000        1.000
66.68        0.000       0.000     Strato2_3095_82743_L_0
 74 D   14.51     -2.7778E-03  319.8          72.57         319.8         159.9          UL-RL  2.4012E+04  -14.60       0.000        1.000        1.000
72.57        0.000       0.000     Strato2_3095_82743_L_0
 75 D   16.30     -2.5020E-03  324.1          81.52         324.1         162.1          UL-RL  2.4012E+04  -14.80       0.000        1.000        1.000
81.52        0.000       0.000     Strato2_3095_82743_L_0
 76 D   17.96     -2.2370E-03  327.7          89.80         327.7         163.9          UL-RL  2.4012E+04  -15.00       0.000        1.000        1.000
89.80        0.000       0.000     Strato2_3095_82743_L_0
 77 D   19.64     -1.9821E-03  332.1          98.18         332.1         166.0          UL-RL  2.4012E+04  -15.20       0.000        1.000        1.000
98.18        0.000       0.000     Strato2_3095_82743_L_0
 78 D   21.20     -1.7364E-03  335.8          106.0         335.8         167.9          UL-RL  2.4012E+04  -15.40       0.000        1.000        1.000
106.0        0.000       0.000     Strato2_3095_82743_L_0
 79 D   22.78     -1.4990E-03  340.1          113.9         340.1         170.1          UL-RL  2.4012E+04  -15.60       0.000        1.000        1.000
113.9        0.000       0.000     Strato2_3095_82743_L_0
 80 D   24.26     -1.2691E-03  343.8          121.3         343.8         171.9          UL-RL  2.4012E+04  -15.80       0.000        1.000        1.000
121.3        0.000       0.000     Strato2_3095_82743_L_0
 81 D   25.76     -1.0456E-03  348.2          128.8         348.2         174.1          UL-RL  2.4012E+04  -16.00       0.000        1.000        1.000
128.8        0.000       0.000     Strato2_3095_82743_L_0
 82 D   27.24     -8.2770E-04  352.5          136.2         352.5         176.2          UL-RL  2.4012E+04  -16.20       0.000        1.000        1.000
136.2        0.000       0.000     Strato2_3095_82743_L_0
 83 D   28.63     -6.1451E-04  356.2          143.1         356.2         178.1          UL-RL  2.4012E+04  -16.40       0.000        1.000        1.000
143.1        0.000       0.000     Strato2_3095_82743_L_0
 84 D   30.05     -4.0517E-04  360.4          150.3         360.4         180.2          UL-RL  2.4012E+04  -16.60       0.000        1.000        1.000
150.3        0.000       0.000     Strato2_3095_82743_L_0
 85 D   31.41     -1.9885E-04  364.2          157.0         364.2         182.1          UL-RL  2.4012E+04  -16.80       0.000        1.000        1.000
157.0        0.000       0.000     Strato2_3095_82743_L_0
 86 D   32.81      5.1527E-06  368.5          164.0         368.5         184.2          UL-RL  2.4012E+04  -17.00       0.000        1.000        1.000
164.0        0.000       0.000     Strato2_3095_82743_L_0
 87 D   34.14      2.0751E-04  372.2          170.7         372.2         186.1          UL-RL  2.4012E+04  -17.20       0.000        1.000        1.000
170.7        0.000       0.000     Strato2_3095_82743_L_0
 88 D   35.53      4.0878E-04  376.5          177.6         376.5         188.3          UL-RL  2.4012E+04  -17.40       0.000        1.000        1.000
177.6        0.000       0.000     Strato2_3095_82743_L_0
 89 D   36.19      6.0942E-04  380.2          180.9         380.2         191.8          UL-RL  2.4012E+04  -17.60       0.000        1.000        1.000
180.9        0.000       0.000     Strato2_3095_82743_L_0
 90 D   36.77      8.0976E-04  384.5          183.8         384.5         195.9          UL-RL  2.4012E+04  -17.80       0.000        1.000        1.000
183.8        0.000       0.000     Strato2_3095_82743_L_0
 91 D   18.64      1.0100E-03  388.2          186.4         388.2         199.8          UL-RL  2.4012E+04  -18.00       0.000        1.000        1.000
186.4        0.000       0.000     Strato2_3095_82743_L_0
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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 6.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available

35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49 D	0.1155	1.3510E-02	1.900	0.5776	182.4	100.7	ACTIVE	0.000	-9.600	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
50 D	1.438	1.2980E-02	5.700	7.188	186.2	102.5	UL-RL	6237.	-9.800	0.000	1.000	1.000	7.188	0.000	0.000	Strato1_2_8_L_0
51 D	4.593	1.2454E-02	9.500	22.96	190.0	104.5	UL-RL	6237.	-10.00	0.000	1.000	1.000	22.96	0.000	0.000	Strato1_2_8_L_0
52 D	7.756	1.1931E-02	13.30	38.78	193.8	106.4	UL-RL	6237.	-10.20	0.000	1.000	1.000	38.78	0.000	0.000	Strato1_2_8_L_0
53 D	10.93	1.1412E-02	17.10	54.64	197.6	108.4	UL-RL	6237.	-10.40	0.000	1.000	1.000	54.64	0.000	0.000	Strato1_2_8_L_0
54 D	14.11	1.0899E-02	20.90	70.53	201.4	110.3	UL-RL	6237.	-10.60	0.000	1.000	1.000	70.53	0.000	0.000	Strato1_2_8_L_0
55 D	17.29	1.0392E-02	24.70	86.44	205.2	112.3	UL-RL	6237.	-10.80	0.000	1.000	1.000	86.44	0.000	0.000	Strato1_2_8_L_0
56 D	20.47	9.8922E-03	28.50	102.4	209.0	115.2	UL-RL	6237.	-11.00	0.000	1.000	1.000	102.4	0.000	0.000	Strato1_2_8_L_0
57 D	23.66	9.3997E-03	32.30	118.3	212.8	130.5	UL-RL	6237.	-11.20	0.000	1.000	1.000	118.3	0.000	0.000	Strato1_2_8_L_0
58 D	25.57	8.9159E-03	36.10	127.9	216.6	139.5	UL-RL	6237.	-11.40	0.000	1.000	1.000	127.9	0.000	0.000	Strato1_2_8_L_0
59 D	25.85	8.4415E-03	39.90	129.2	220.4	140.2	UL-RL	6237.	-11.60	0.000	1.000	1.000	129.2	0.000	0.000	Strato1_2_8_L_0
60 D	26.13	7.9771E-03	43.70	130.6	224.2	141.0	UL-RL	6237.	-11.80	0.000	1.000	1.000	130.6	0.000	0.000	Strato1_2_8_L_0
61 D	26.42	7.5236E-03	47.50	132.1	228.0	141.8	UL-RL	6237.	-12.00	0.000	1.000	1.000	132.1	0.000	0.000	Strato1_2_8_L_0
62 D	26.71	7.0814E-03	51.30	133.5	231.8	142.7	UL-RL	6237.	-12.20	0.000	1.000	1.000	133.5	0.000	0.000	Strato1_2_8_L_0
63 D	27.00	6.6511E-03	55.10	135.0	235.6	143.5	UL-RL	6237.	-12.40	0.000	1.000	1.000	135.0	0.000	0.000	Strato1_2_8_L_0
64 D	27.30	6.2333E-03	58.90	136.5	239.4	144.4	UL-RL	6237.	-12.60	0.000	1.000	1.000	136.5	0.000	0.000	Strato1_2_8_L_0
65 D	27.61	5.8281E-03	62.70	138.0	243.2	145.4	UL-RL	6237.	-12.80	0.000	1.000	1.000	138.0	0.000	0.000	Strato1_2_8_L_0
66 D	27.92	5.4361E-03	66.50	139.6	247.0	146.3	UL-RL	6237.	-13.00	0.000	1.000	1.000	139.6	0.000	0.000	Strato1_2_8_L_0
67 D	24.80	5.0573E-03	70.40	124.0	250.9	137.6	UL-RL	1.3780E+04	-13.20	0.000	1.000	1.000	124.0	0.000	0.000	Strato2_3095_82743_L_0
68 D	25.04	4.6920E-03	74.40	125.2	254.9	137.5	UL-RL	1.3780E+04	-13.40	0.000	1.000	1.000	125.2	0.000	0.000	Strato2_3095_82743_L_0
69 D	25.29	4.3402E-03	78.40	126.4	258.9	137.6	UL-RL	1.3780E+04	-13.60	0.000	1.000	1.000	126.4	0.000	0.000	Strato2_3095_82743_L_0
70 D	25.54	4.0018E-03	82.40	127.7	262.9	137.7	UL-RL	1.3780E+04	-13.80	0.000	1.000	1.000	127.7	0.000	0.000	Strato2_3095_82743_L_0
71 D	25.79	3.6767E-03	86.40	129.0	266.9	137.9	UL-RL	1.3780E+04	-14.00	0.000	1.000	1.000	129.0	0.000	0.000	Strato2_3095_82743_L_0
72 D	25.44	3.3646E-03	90.40	127.2	270.9	139.8	UL-RL	1.3780E+04	-14.20	0.000	1.000	1.000	127.2	0.000	0.000	Strato2_3095_82743_L_0
73 D	25.12	3.0651E-03	94.40	125.6	274.9	141.6	UL-RL	1.3780E+04	-14.40	0.000	1.000	1.000	125.6	0.000	0.000	Strato2_3095_82743_L_0
74 D	24.83	2.7778E-03	98.40	124.1	278.9	143.4	UL-RL	1.3780E+04	-14.60	0.000	1.000	1.000	124.1	0.000	0.000	Strato2_3095_82743_L_0
75 D	24.56	2.5020E-03	102.4	122.8	282.9	145.3	UL-RL	1.3780E+04	-14.80	0.000	1.000	1.000	122.8	0.000	0.000	Strato2_3095_82743_L_0
76 D	24.32	2.2370E-03	106.4	121.6	286.9	147.1	UL-RL	1.3780E+04	-15.00	0.000	1.000	1.000	121.6	0.000	0.000	Strato2_3095_82743_L_0
77 D	24.11	1.9821E-03	110.4	120.5	290.9	149.0	UL-RL	1.3780E+04	-15.20	0.000	1.000	1.000				

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120.5       0.000       0.000     Strato2_3095_82743_L_0
  78 D   23.92      1.7364E-03  114.4       119.6       294.9       150.9          UL-RL  1.3780E+04  -15.40       0.000       1.000       1.000
119.6       0.000       0.000     Strato2_3095_82743_L_0
  79 D   23.74      1.4990E-03  118.4       118.7       298.9       152.8          UL-RL  1.3780E+04  -15.60       0.000       1.000       1.000
118.7       0.000       0.000     Strato2_3095_82743_L_0
  80 D   23.59      1.2691E-03  122.4       117.9       302.9       154.7          UL-RL  1.3780E+04  -15.80       0.000       1.000       1.000
117.9       0.000       0.000     Strato2_3095_82743_L_0
  81 D   23.45      1.0456E-03  126.4       117.2       306.9       156.6          UL-RL  1.3780E+04  -16.00       0.000       1.000       1.000
117.2       0.000       0.000     Strato2_3095_82743_L_0
  82 D   23.32      8.2770E-04  130.4       116.6       310.9       158.5          UL-RL  1.3780E+04  -16.20       0.000       1.000       1.000
116.6       0.000       0.000     Strato2_3095_82743_L_0
  83 D   23.20      6.1451E-04  134.4       116.0       314.9       160.5          UL-RL  1.3780E+04  -16.40       0.000       1.000       1.000
116.0       0.000       0.000     Strato2_3095_82743_L_0
  84 D   23.09      4.0517E-04  138.4       115.5       318.9       162.4          UL-RL  1.3780E+04  -16.60       0.000       1.000       1.000
115.5       0.000       0.000     Strato2_3095_82743_L_0
  85 D   22.99      1.9885E-04  142.4       115.0       322.9       164.3          UL-RL  1.3780E+04  -16.80       0.000       1.000       1.000
115.0       0.000       0.000     Strato2_3095_82743_L_0
  86 D   22.89     -5.1527E-06  146.4       114.5       326.9       166.3          UL-RL  1.3780E+04  -17.00       0.000       1.000       1.000
114.5       0.000       0.000     Strato2_3095_82743_L_0
  87 D   22.80     -2.0751E-04  150.4       114.0       330.9       168.2          UL-RL  1.3780E+04  -17.20       0.000       1.000       1.000
114.0       0.000       0.000     Strato2_3095_82743_L_0
  88 D   22.71     -4.0878E-04  154.4       113.5       334.9       170.1          UL-RL  1.3780E+04  -17.40       0.000       1.000       1.000
113.5       0.000       0.000     Strato2_3095_82743_L_0
  89 D   22.61     -6.0942E-04  158.4       113.1       338.9       172.1          UL-RL  1.3780E+04  -17.60       0.000       1.000       1.000
113.1       0.000       0.000     Strato2_3095_82743_L_0
  90 D   22.52     -8.0976E-04  162.4       112.6       342.9       174.0          UL-RL  1.3780E+04  -17.80       0.000       1.000       1.000
112.6       0.000       0.000     Strato2_3095_82743_L_0
  91 D   11.21     -1.0100E-03  166.4       112.1       346.9       175.9          UL-RL  1.3780E+04  -18.00       0.000       1.000       1.000
112.1       0.000       0.000     Strato2_3095_82743_L_0
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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                   Exe Time :29 July 2019      18:00:08                                                        |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     6.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.35082    -0.35082     9.56746E-12 7.01632E-02
     2  1.0585     -1.0585    -7.01632E-02 0.28187
     3  3.0278     -3.0278    -0.28187     0.88744
     4  5.0955     -5.0955    -0.88744      1.9065
     5  7.9121     -7.9121     -1.9065      3.4890
     6  10.820     -10.820     -3.4890      5.6529
     7  14.283     -14.283     -5.6529      8.5095
     8  17.853     -17.853     -8.5095      12.080
     9  21.840     -21.840     -12.080      16.448
    10  25.974     -25.974     -16.448      21.643
    11  30.695     -30.695     -21.643      27.782
    12  35.724     -35.724     -27.782      34.927
    13  41.306     -41.306     -34.927      43.188
    14  47.206     -47.206     -43.188      52.629
    15  53.635     -53.635     -52.629      63.356
    16 -158.60      158.60     -63.356      31.636
    17 -151.36      151.36     -31.636      1.3640
    18 -143.79      143.79     -1.3640     -27.393
    19 -135.71      135.71      27.393     -54.536
    20 -127.30      127.30      54.536     -79.997
    21 -118.41      118.41      79.997     -103.68
    22 -109.17      109.17      103.68     -125.51
    23 -99.457      99.457      125.51     -145.40
    24 -89.417      89.417      145.40     -163.29
    25 -78.911      78.911      163.29     -179.07
    26 -68.062      68.062      179.07     -192.68
    27 -56.756      56.756      192.68     -204.03
    28 -45.109      45.109      204.03     -213.05
    29 -33.016      33.016      213.05     -219.66
    30 -20.586      20.586      219.66     -223.77
    31 -7.7356      7.7356      223.77     -225.32
    32  5.4460     -5.4460      225.32     -224.23
    33  19.047     -19.047      224.23     -220.42
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34	32.969	-32.969	220.42	-213.83
35	47.294	-47.294	213.83	-204.37
36	61.928	-61.928	204.37	-191.99
37	76.944	-76.944	191.99	-176.60
38	92.252	-92.252	176.60	-158.15
39	107.91	-107.91	158.15	-136.56
40	123.84	-123.84	136.56	-111.80
41	140.10	-140.10	111.80	-83.777
42	156.60	-156.60	83.777	-52.457
43	173.41	-173.41	52.457	-17.775
44	190.43	-190.43	17.775	20.310
45	207.71	-207.71	-20.310	61.852
46	-16.330	16.330	-61.852	58.586
47	1.3349	-1.3349	-58.586	58.853
48	19.135	-19.135	-58.853	62.680
49	37.001	-37.001	-62.680	70.080
50	53.647	-53.647	-70.080	80.809
51	67.288	-67.288	-80.809	94.267
52	77.843	-77.843	-94.267	109.84
53	85.353	-85.353	-109.84	126.91
54	89.740	-89.740	-126.91	144.85
55	91.053	-91.053	-144.85	163.06
56	89.228	-89.228	-163.06	180.91
57	84.311	-84.311	-180.91	197.77
58	77.528	-77.528	-197.77	213.28
59	70.561	-70.561	-213.28	227.39
60	63.352	-63.352	-227.39	240.06
61	55.940	-55.940	-240.06	251.25
62	48.278	-48.278	-251.25	260.90
63	40.409	-40.409	-260.90	268.99
64	32.283	-32.283	-268.99	275.44
65	23.946	-23.946	-275.44	280.23
66	15.665	-15.665	-280.23	283.36
67	5.4465	-5.4465	-283.36	284.45
68	-5.2683	5.2683	-284.45	283.40
69	-16.445	16.445	-283.40	280.11
70	-28.107	28.107	-280.11	274.49
71	-40.204	40.204	-274.49	266.45
72	-52.150	52.150	-266.45	256.02
73	-63.932	63.932	-256.02	243.23
74	-74.243	74.243	-243.23	228.38
75	-82.502	82.502	-228.38	211.88
76	-88.866	88.866	-211.88	194.11
77	-93.340	93.340	-194.11	175.44
78	-96.059	96.059	-175.44	156.23
79	-97.025	97.025	-156.23	136.83
80	-96.356	96.356	-136.83	117.55
81	-94.040	94.040	-117.55	98.747
82	-90.122	90.122	-98.747	80.722
83	-84.696	84.696	-80.722	63.783
84	-77.739	77.739	-63.783	48.235
85	-69.326	69.326	-48.235	34.369
86	-59.414	59.414	-34.369	22.487
87	-48.072	48.072	-22.487	12.872
88	-35.253	35.253	-12.872	5.8217
89	-21.678	21.678	-5.8217	1.4860
90	-7.4302	7.4302	-1.4860	2.85599E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------
ANCHOR    1   226.69     -1.07620E-03  2.06424E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                     |
|                                 Exe Time :29 July 2019      18:00:08                                                |
+---------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   250.00     -2.62486E-03 -2.62486E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1271E+07 RIMNOR=0.4514E+07
           RENORM= 9378.     REMNOR=0.2033E-17 RATIO =0.8589E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 284.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1271E+07 RDR   =0.4514E+07
           RATIOT=0.8589E-01 RATIOR= 0.000
           MAX UN= 27.92     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.5757E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1271E+07 RIMNOR=0.4514E+07
           RENORM= 805.9     REMNOR=0.2188E-17 RATIO =0.2518E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 284.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1271E+07 RDR   =0.4514E+07
           RATIOT=0.2518E-01 RATIOR= 0.000
           MAX UN= 13.91     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-.1426E-07 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1271E+07 RIMNOR=0.4514E+07
           RENORM= 57.12     REMNOR=0.2243E-17 RATIO =0.6703E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 284.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1271E+07 RDR   =0.4514E+07
           RATIOT=0.6703E-02 RATIOR= 0.000
           MAX UN= 4.206     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-.5789E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1271E+07 RIMNOR=0.4514E+07
           RENORM= 1.004     REMNOR=0.2617E-17 RATIO =0.8885E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 241.5     RMMAX = 284.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1271E+07 RDR   =0.4514E+07
           RATIOT=0.8885E-03 RATIOR= 0.000
           MAX UN=0.5508     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.7405E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1271E+07 RIMNOR=0.4514E+07
           RENORM=0.2250E-02 REMNOR=0.2594E-17 RATIO =0.4207E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 241.5     RMMAX = 284.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1271E+07 RDR   =0.4514E+07
           RATIOT=0.4207E-04 RATIOR= 0.000
           MAX UN=0.4744E-01 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.4856E-08 IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2570027E-02  -1.2874157E-03
    2   3.2312546E-02  -1.2873789E-03
    3   3.2055085E-02  -1.2871993E-03
    4   3.1797687E-02  -1.2867130E-03
    5   3.1540433E-02  -1.2857331E-03
    6   3.1283440E-02  -1.2840615E-03
    7   3.1026868E-02  -1.2814895E-03
    8   3.0770919E-02  -1.2778020E-03
    9   3.0515837E-02  -1.2727775E-03
   10   3.0261912E-02  -1.2661912E-03
   11   3.0009479E-02  -1.2578141E-03
   12   2.9758921E-02  -1.2474091E-03
   13   2.9510668E-02  -1.2347273E-03
   14   2.9265199E-02  -1.2195086E-03
   15   2.9023051E-02  -1.2014820E-03
   16   2.8784813E-02  -1.1803657E-03
   17   2.8550782E-02  -1.1610943E-03
   18   2.8319924E-02  -1.1485928E-03
   19   2.8090914E-02  -1.1425501E-03
   20   2.7862494E-02  -1.1426455E-03
   21   2.7633469E-02  -1.1485486E-03
   22   2.7402710E-02  -1.1599197E-03
   23   2.7169160E-02  -1.1764103E-03
   24   2.6931830E-02  -1.1976630E-03
   25   2.6689803E-02  -1.2233126E-03
   26   2.6442237E-02  -1.2529858E-03
   27   2.6188366E-02  -1.2863015E-03
   28   2.5927499E-02  -1.3228680E-03
   29   2.5659030E-02  -1.3622808E-03
   30   2.5382426E-02  -1.4041247E-03
   31   2.5097246E-02  -1.4479725E-03
   32   2.4803133E-02  -1.4933866E-03
   33   2.4499817E-02  -1.5399179E-03
   34   2.4187122E-02  -1.5871065E-03
   35   2.3864964E-02  -1.6344808E-03
   36   2.3533351E-02  -1.6815586E-03
   37   2.3192393E-02  -1.7278459E-03
   38   2.2842299E-02  -1.7728378E-03
   39   2.2483379E-02  -1.8160181E-03
   40   2.2116050E-02  -1.8568594E-03
   41   2.1740829E-02  -1.8948242E-03
   42   2.1358348E-02  -1.9293630E-03
   43   2.0969349E-02  -1.9599154E-03
   44   2.0574686E-02  -1.9859099E-03
   45   2.0175330E-02  -2.0067638E-03
   46   1.9772355E-02  -2.0218838E-03
   47   1.9366563E-02  -2.0370487E-03
   48   1.8957148E-02  -2.0580281E-03
   49   1.8543008E-02  -2.0841949E-03
   50   1.8123168E-02  -2.1149115E-03
   51   1.7696784E-02  -2.1495289E-03
   52   1.7263139E-02  -2.1873871E-03
   53   1.6821656E-02  -2.2278145E-03
   54   1.6371887E-02  -2.2701290E-03
   55   1.5913524E-02  -2.3136373E-03
   56   1.5446399E-02  -2.3576355E-03
   57   1.4970485E-02  -2.4014081E-03
   58   1.4485900E-02  -2.4442290E-03
   59   1.3992906E-02  -2.4853607E-03
   60   1.3491918E-02  -2.5240548E-03
   61   1.2983497E-02  -2.5595517E-03
   62   1.2468362E-02  -2.5910809E-03
   63   1.1947382E-02  -2.6178612E-03
   64   1.1421587E-02  -2.6391000E-03
   65   1.0892165E-02  -2.6539939E-03
   66   1.0360466E-02  -2.6617283E-03
   67   9.8280057E-03  -2.6614776E-03
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68	9.2964165E-03	-2.6531090E-03
69	8.7672585E-03	-2.6372951E-03
70	8.2419362E-03	-2.6149142E-03
71	7.7216659E-03	-2.5869373E-03
72	7.2074703E-03	-2.5543246E-03
73	6.7002071E-03	-2.5180253E-03
74	6.2004694E-03	-2.4789695E-03
75	5.7087416E-03	-2.4380788E-03
76	5.2252999E-03	-2.3962585E-03
77	4.7502408E-03	-2.3543996E-03
78	4.2834842E-03	-2.3133785E-03
79	3.8247769E-03	-2.2740443E-03
80	3.3737008E-03	-2.2371955E-03
81	2.9296868E-03	-2.2035255E-03
82	2.4920432E-03	-2.1735665E-03
83	2.0599888E-03	-2.1476785E-03
84	1.6326876E-03	-2.1260527E-03
85	1.2092609E-03	-2.1087123E-03
86	7.8890520E-04	-2.0955171E-03
87	3.7079828E-04	-2.0861592E-03
88	-4.5782904E-05	-2.0801676E-03
89	-4.6145085E-04	-2.0769073E-03
90	-8.7667572E-04	-2.0755955E-03
91	-1.2917582E-03	-2.0753207E-03

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:00:08

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.551	-3.2570E-02	11.54	15.51	11.54	16.58	UL-RL	8488.	0.000	0.000	1.000	1.000	15.51	0.000	0.000	Strato1_2_8_L_0
2 D	2.915	-3.2313E-02	11.64	14.58	11.64	16.44	UL-RL	8488.	-0.2000	0.000	1.000	1.000	14.58	0.000	0.000	Strato1_2_8_L_0
3 D	3.985	-3.2055E-02	32.39	19.93	32.39	25.69	UL-RL	8488.	-0.4000	0.000	1.000	1.000	19.93	0.000	0.000	Strato1_2_8_L_0
4 D	3.892	-3.1798E-02	34.01	19.46	34.01	26.24	UL-RL	8488.	-0.6000	0.000	1.000	1.000	19.46	0.000	0.000	Strato1_2_8_L_0
5 D	4.448	-3.1540E-02	46.33	22.24	46.33	31.65	UL-RL	8488.	-0.8000	0.000	1.000	1.000	22.24	0.000	0.000	Strato1_2_8_L_0
6 D	4.347	-3.1283E-02	47.82	21.73	47.82	32.15	UL-RL	8488.	-1.000	0.000	1.000	1.000	21.73	0.000	0.000	Strato1_2_8_L_0
7 D	4.710	-3.1027E-02	56.96	23.55	56.96	36.11	UL-RL	8488.	-1.200	0.000	1.000	1.000	23.55	0.000	0.000	Strato1_2_8_L_0
8 D	4.623	-3.0771E-02	58.71	23.12	58.71	36.72	UL-RL	8488.	-1.400	0.000	1.000	1.000	23.12	0.000	0.000	Strato1_2_8_L_0
9 D	4.846	-3.0516E-02	65.58	24.23	65.58	39.64	UL-RL	8488.	-1.600	0.000	1.000	1.000	24.23	0.000	0.000	Strato1_2_8_L_0
10 D	4.798	-3.0262E-02	67.67	23.99	67.67	40.38	UL-RL	8488.	-1.800	0.000	1.000	1.000	23.99	0.000	0.000	Strato1_2_8_L_0
11 D	5.188	-3.0009E-02	74.52	25.94	74.52	43.28	UL-RL	8488.	-2.000	0.000	1.000	1.000	25.94	0.000	0.000	Strato1_2_8_L_0
12 D	5.300	-2.9759E-02	76.79	26.50	76.79	44.09	UL-RL	8488.	-2.200	0.000	1.000	1.000	26.50	0.000	0.000	Strato1_2_8_L_0
13 D	5.652	-2.9511E-02	83.06	28.26	83.06	46.70	UL-RL	8488.	-2.400	0.000	1.000	1.000	28.26	0.000	0.000	Strato1_2_8_L_0
14 D	5.769	-2.9265E-02	85.48	28.85	85.48	47.55	UL-RL	8488.	-2.600	0.000	1.000	1.000	28.85	0.000	0.000	Strato1_2_8_L_0
15 D	6.094	-2.9023E-02	91.36	30.47	91.36	49.94	UL-RL	8488.	-2.800	0.000	1.000	1.000	30.47	0.000	0.000	Strato1_2_8_L_0
16 D	6.188	-2.8785E-02	93.48	30.94	93.48	50.61	UL-RL	8488.	-3.000	0.000	1.000	1.000	30.94	0.000	0.000	Strato1_2_8_L_0
17 D	6.492	-2.8551E-02	99.09	32.46	99.09	52.84	UL-RL	8488.	-3.200	0.000	1.000	1.000	32.46	0.000	0.000	Strato1_2_8_L_0

18 D	6.614	-2.8320E-02	101.8	33.07	101.8	53.95	UL-RL	8488.	-3.400	0.000	1.000	1.000
33.07	0.000	0.000	Strato1_2_8_L_0									
19 D	6.898	-2.8091E-02	107.2	34.49	107.2	56.80	UL-RL	8488.	-3.600	0.000	1.000	1.000
34.49	0.000	0.000	Strato1_2_8_L_0									
20 D	7.019	-2.7862E-02	109.9	35.09	109.9	58.27	UL-RL	8488.	-3.800	0.000	1.000	1.000
35.09	0.000	0.000	Strato1_2_8_L_0									
21 D	7.284	-2.7633E-02	115.2	36.42	115.2	61.03	UL-RL	8488.	-4.000	0.000	1.000	1.000
36.42	0.000	0.000	Strato1_2_8_L_0									
22 D	7.401	-2.7403E-02	118.0	37.01	118.0	62.54	UL-RL	8488.	-4.200	0.000	1.000	1.000
37.01	0.000	0.000	Strato1_2_8_L_0									
23 D	7.649	-2.7169E-02	123.1	38.24	123.1	65.23	UL-RL	8488.	-4.400	0.000	1.000	1.000
38.24	0.000	0.000	Strato1_2_8_L_0									
24 D	7.743	-2.6932E-02	125.7	38.72	125.7	66.63	UL-RL	8488.	-4.600	0.000	1.000	1.000
38.72	0.000	0.000	Strato1_2_8_L_0									
25 D	7.974	-2.6690E-02	130.7	39.87	130.7	69.26	UL-RL	8488.	-4.800	0.000	1.000	1.000
39.87	0.000	0.000	Strato1_2_8_L_0									
26 D	8.127	-2.6442E-02	133.7	40.63	133.7	70.84	ACTIVE	0.000	-5.000	0.000	1.000	1.000
40.63	0.000	0.000	Strato1_2_8_L_0									
27 D	8.422	-2.6188E-02	138.5	42.11	138.5	73.42	ACTIVE	0.000	-5.200	0.000	1.000	1.000
42.11	0.000	0.000	Strato1_2_8_L_0									
28 D	8.607	-2.5927E-02	141.6	43.04	141.6	75.03	ACTIVE	0.000	-5.400	0.000	1.000	1.000
43.04	0.000	0.000	Strato1_2_8_L_0									
29 D	8.898	-2.5659E-02	146.3	44.49	146.3	77.56	ACTIVE	0.000	-5.600	0.000	1.000	1.000
44.49	0.000	0.000	Strato1_2_8_L_0									
30 D	9.085	-2.5382E-02	149.4	45.43	149.4	79.20	ACTIVE	0.000	-5.800	0.000	1.000	1.000
45.43	0.000	0.000	Strato1_2_8_L_0									
31 D	9.358	-2.5097E-02	153.9	46.79	153.9	81.58	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.79	0.000	0.000	Strato1_2_8_L_0									
32 D	9.548	-2.4803E-02	157.0	47.74	157.0	83.23	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.74	0.000	0.000	Strato1_2_8_L_0									
33 D	9.831	-2.4500E-02	161.7	49.16	161.7	85.70	ACTIVE	0.000	-6.400	0.000	1.000	1.000
49.16	0.000	0.000	Strato1_2_8_L_0									
34 D	10.02	-2.4187E-02	164.9	50.12	164.9	87.37	ACTIVE	0.000	-6.600	0.000	1.000	1.000
50.12	0.000	0.000	Strato1_2_8_L_0									
35 D	10.30	-2.3865E-02	169.5	51.52	169.5	89.81	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.52	0.000	0.000	Strato1_2_8_L_0									
36 D	10.50	-2.3533E-02	172.6	52.49	172.6	91.50	ACTIVE	0.000	-7.000	0.000	1.000	1.000
52.49	0.000	0.000	Strato1_2_8_L_0									
37 D	10.77	-2.3192E-02	177.2	53.87	177.2	93.92	ACTIVE	0.000	-7.200	0.000	1.000	1.000
53.87	0.000	0.000	Strato1_2_8_L_0									
38 D	10.97	-2.2842E-02	180.4	54.85	180.4	95.62	ACTIVE	0.000	-7.400	0.000	1.000	1.000
54.85	0.000	0.000	Strato1_2_8_L_0									
39 D	11.23	-2.2483E-02	184.8	56.17	184.8	97.92	ACTIVE	0.000	-7.600	0.000	1.000	1.000
56.17	0.000	0.000	Strato1_2_8_L_0									
40 D	11.43	-2.2116E-02	188.0	57.15	188.0	99.64	ACTIVE	0.000	-7.800	0.000	1.000	1.000
57.15	0.000	0.000	Strato1_2_8_L_0									
41 D	11.70	-2.1741E-02	192.5	58.51	192.5	102.0	ACTIVE	0.000	-8.000	0.000	1.000	1.000
58.51	0.000	0.000	Strato1_2_8_L_0									
42 D	11.90	-2.1358E-02	195.8	59.51	195.8	103.7	ACTIVE	0.000	-8.200	0.000	1.000	1.000
59.51	0.000	0.000	Strato1_2_8_L_0									
43 D	12.17	-2.0969E-02	200.2	60.86	200.2	106.1	ACTIVE	0.000	-8.400	0.000	1.000	1.000
60.86	0.000	0.000	Strato1_2_8_L_0									
44 D	12.37	-2.0575E-02	203.5	61.86	203.5	107.8	ACTIVE	0.000	-8.600	0.000	1.000	1.000
61.86	0.000	0.000	Strato1_2_8_L_0									
45 D	12.64	-2.0175E-02	207.9	63.20	207.9	110.2	ACTIVE	0.000	-8.800	0.000	1.000	1.000
63.20	0.000	0.000	Strato1_2_8_L_0									
46 D	12.83	-1.9772E-02	211.1	64.16	211.1	111.9	ACTIVE	0.000	-9.000	0.000	1.000	1.000
64.16	0.000	0.000	Strato1_2_8_L_0									
47 D	13.10	-1.9367E-02	215.4	65.50	215.4	114.2	ACTIVE	0.000	-9.200	0.000	1.000	1.000
65.50	0.000	0.000	Strato1_2_8_L_0									
48 D	13.30	-1.8957E-02	218.8	66.51	218.8	116.0	ACTIVE	0.000	-9.400	0.000	1.000	1.000
66.51	0.000	0.000	Strato1_2_8_L_0									
49 D	13.57	-1.8543E-02	223.1	67.84	223.1	118.3	ACTIVE	0.000	-9.600	0.000	1.000	1.000
67.84	0.000	0.000	Strato1_2_8_L_0									
50 D	13.77	-1.8123E-02	226.5	68.85	226.5	120.0	ACTIVE	0.000	-9.800	0.000	1.000	1.000
68.85	0.000	0.000	Strato1_2_8_L_0									
51 D	14.03	-1.7697E-02	230.8	70.17	230.8	122.3	ACTIVE	0.000	-10.00	0.000	1.000	1.000
70.17	0.000	0.000	Strato1_2_8_L_0									
52 D	14.24	-1.7263E-02	234.2	71.20	234.2	124.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000
71.20	0.000	0.000	Strato1_2_8_L_0									
53 D	14.50	-1.6822E-02	238.5	72.51	238.5	126.4	ACTIVE	0.000	-10.40	0.000	1.000	1.000
72.51	0.000	0.000	Strato1_2_8_L_0									
54 D	14.70	-1.6372E-02	241.8	73.50	241.8	128.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000
73.50	0.000	0.000	Strato1_2_8_L_0									
55 D	14.96	-1.5914E-02	246.1	74.80	246.1	130.4	ACTIVE	0.000	-10.80	0.000	1.000	1.000
74.80	0.000	0.000	Strato1_2_8_L_0									
56 D	15.17	-1.5446E-02	249.5	75.83	249.5	132.2	ACTIVE	0.000	-11.00	0.000	1.000	1.000
75.83	0.000	0.000	Strato1_2_8_L_0									
57 D	15.43	-1.4970E-02	253.7	77.13	253.7	134.5	ACTIVE	0.000	-11.20	0.000	1.000	1.000
77.13	0.000	0.000	Strato1_2_8_L_0									
58 D	15.63	-1.4486E-02	257.1	78.17	257.1	136.3	ACTIVE	0.000	-11.40	0.000	1.000	1.000
78.17	0.000	0.000	Strato1_2_8_L_0									
59 D	15.89	-1.3993E-02	261.4	79.46	261.4	138.5	ACTIVE	0.000	-11.60	0.000	1.000	1.000
79.46	0.000	0.000	Strato1_2_8_L_0									
60 D	16.10	-1.3492E-02	264.8	80.51	264.8	140.4	ACTIVE	0.000	-11.80	0.000	1.000	1.000

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80.51       0.000       0.000     Strato1_2_8_L_0
  61 D   16.35     -1.2983E-02  269.0       81.76       269.0       142.5          ACTIVE   0.000      -12.00       0.000       1.000       1.000
81.76       0.000       0.000     Strato1_2_8_L_0
  62 D   16.56     -1.2468E-02  272.4       82.81       272.4       144.4          ACTIVE   0.000      -12.20       0.000       1.000       1.000
82.81       0.000       0.000     Strato1_2_8_L_0
  63 D   16.82     -1.1947E-02  276.6       84.09       276.6       146.6          ACTIVE   0.000      -12.40       0.000       1.000       1.000
84.09       0.000       0.000     Strato1_2_8_L_0
  64 D   17.03     -1.1422E-02  280.1       85.14       280.1       148.4          ACTIVE   0.000      -12.60       0.000       1.000       1.000
85.14       0.000       0.000     Strato1_2_8_L_0
  65 D   17.28     -1.0892E-02  284.3       86.42       284.3       150.7          ACTIVE   0.000      -12.80       0.000       1.000       1.000
86.42       0.000       0.000     Strato1_2_8_L_0
  66 D   17.49     -1.0360E-02  287.7       87.47       287.7       152.5          ACTIVE   0.000      -13.00       0.000       1.000       1.000
87.47       0.000       0.000     Strato1_2_8_L_0
  67 D   9.847     -9.8280E-03  292.0       49.24       292.0       146.0          ACTIVE   0.000      -13.20       0.000       1.000       1.000
49.24       0.000       0.000     Strato2_3095_82743_L_0
  68 D   10.02     -9.2964E-03  295.7       50.10       295.7       147.8          ACTIVE   0.000      -13.40       0.000       1.000       1.000
50.10       0.000       0.000     Strato2_3095_82743_L_0
  69 D   10.22     -8.7673E-03  300.0       51.11       300.0       150.0          ACTIVE   0.000      -13.60       0.000       1.000       1.000
51.11       0.000       0.000     Strato2_3095_82743_L_0
  70 D   10.39     -8.2419E-03  303.7       51.97       303.7       151.8          ACTIVE   0.000      -13.80       0.000       1.000       1.000
51.97       0.000       0.000     Strato2_3095_82743_L_0
  71 D   10.60     -7.7217E-03  308.0       53.00       308.0       154.0          ACTIVE   0.000      -14.00       0.000       1.000       1.000
53.00       0.000       0.000     Strato2_3095_82743_L_0
  72 D   10.77     -7.2075E-03  311.7       53.86       311.7       155.9          ACTIVE   0.000      -14.20       0.000       1.000       1.000
53.86       0.000       0.000     Strato2_3095_82743_L_0
  73 D   10.98     -6.7002E-03  316.1       54.89       316.1       158.0          ACTIVE   0.000      -14.40       0.000       1.000       1.000
54.89       0.000       0.000     Strato2_3095_82743_L_0
  74 D   11.15     -6.2005E-03  319.8       55.76       319.8       159.9          ACTIVE   0.000      -14.60       0.000       1.000       1.000
55.76       0.000       0.000     Strato2_3095_82743_L_0
  75 D   11.36     -5.7087E-03  324.1       56.78       324.1       162.1          ACTIVE   0.000      -14.80       0.000       1.000       1.000
56.78       0.000       0.000     Strato2_3095_82743_L_0
  76 D   11.53     -5.2253E-03  327.7       57.63       327.7       163.9          ACTIVE   0.000      -15.00       0.000       1.000       1.000
57.63       0.000       0.000     Strato2_3095_82743_L_0
  77 D   11.73     -4.7502E-03  332.1       58.65       332.1       166.0          ACTIVE   0.000      -15.20       0.000       1.000       1.000
58.65       0.000       0.000     Strato2_3095_82743_L_0
  78 D   11.90     -4.2835E-03  335.8       59.52       335.8       167.9          ACTIVE   0.000      -15.40       0.000       1.000       1.000
59.52       0.000       0.000     Strato2_3095_82743_L_0
  79 D   12.11     -3.8248E-03  340.1       60.54       340.1       170.1          ACTIVE   0.000      -15.60       0.000       1.000       1.000
60.54       0.000       0.000     Strato2_3095_82743_L_0
  80 D   14.15     -3.3737E-03  343.8       70.75       343.8       171.9           UL-RL  2.4012E+04  -15.80       0.000       1.000       1.000
70.75       0.000       0.000     Strato2_3095_82743_L_0
  81 D   16.72     -2.9297E-03  348.2       83.58       348.2       174.1           UL-RL  2.4012E+04  -16.00       0.000       1.000       1.000
83.58       0.000       0.000     Strato2_3095_82743_L_0
  82 D   19.25     -2.4920E-03  352.5       96.23       352.5       176.2           UL-RL  2.4012E+04  -16.20       0.000       1.000       1.000
96.23       0.000       0.000     Strato2_3095_82743_L_0
  83 D   21.69     -2.0600E-03  356.2       108.4       356.2       178.1           UL-RL  2.4012E+04  -16.40       0.000       1.000       1.000
108.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   24.16     -1.6327E-03  360.4       120.8       360.4       180.2           UL-RL  2.4012E+04  -16.60       0.000       1.000       1.000
120.8       0.000       0.000     Strato2_3095_82743_L_0
  85 D   26.55     -1.2093E-03  364.2       132.8       364.2       182.1           UL-RL  2.4012E+04  -16.80       0.000       1.000       1.000
132.8       0.000       0.000     Strato2_3095_82743_L_0
  86 D   28.99     -7.8891E-04  368.5       145.0       368.5       184.2           UL-RL  2.4012E+04  -17.00       0.000       1.000       1.000
145.0       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.36     -3.7080E-04  372.2       156.8       372.2       186.1           UL-RL  2.4012E+04  -17.20       0.000       1.000       1.000
156.8       0.000       0.000     Strato2_3095_82743_L_0
  88 D   33.78      4.5783E-05  376.5       168.9       376.5       188.3           UL-RL  2.4012E+04  -17.40       0.000       1.000       1.000
168.9       0.000       0.000     Strato2_3095_82743_L_0
  89 D   35.48      4.6145E-04  380.2       177.4       380.2       191.8           UL-RL  2.4012E+04  -17.60       0.000       1.000       1.000
177.4       0.000       0.000     Strato2_3095_82743_L_0
  90 D   37.09      8.7668E-04  384.5       185.4       384.5       195.9           UL-RL  2.4012E+04  -17.80       0.000       1.000       1.000
185.4       0.000       0.000     Strato2_3095_82743_L_0
  91 D   19.32      1.2918E-03  388.2       193.2       388.2       199.8           UL-RL  2.4012E+04  -18.00       0.000       1.000       1.000
193.2       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                                          |
 |                                  Exe Time :29 July 2019      18:00:08                                                                     |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									

41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49	0.000	--	--	--	--	--	REMOVED	--	-9.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
50	0.000	--	--	--	--	--	REMOVED	--	-9.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
51	0.000	--	--	--	--	--	REMOVED	--	-10.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
52	0.000	--	--	--	--	--	REMOVED	--	-10.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
53	0.000	--	--	--	--	--	REMOVED	--	-10.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
54	0.000	--	--	--	--	--	REMOVED	--	-10.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
55	0.000	--	--	--	--	--	REMOVED	--	-10.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
56	0.000	--	--	--	--	--	REMOVED	--	-11.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
57	0.000	--	--	--	--	--	REMOVED	--	-11.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
58	0.000	--	--	--	--	--	REMOVED	--	-11.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
59	0.000	--	--	--	--	--	REMOVED	--	-11.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
60	0.000	--	--	--	--	--	REMOVED	--	-11.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
61	0.000	--	--	--	--	--	REMOVED	--	-12.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
62	0.000	--	--	--	--	--	REMOVED	--	-12.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
63	0.000	--	--	--	--	--	REMOVED	--	-12.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
64	0.000	--	--	--	--	--	REMOVED	--	-12.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
65	0.000	--	--	--	--	--	REMOVED	--	-12.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
66	0.000	--	--	--	--	--	REMOVED	--	-13.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
67 D	21.75	9.8280E-03	2.000	108.7	250.9	137.6	PASSIVE	0.000	-13.20	0.000	1.000	1.000	108.7	0.000	0.000	Strato2_3095_82743_L_0
68 D	26.45	9.2964E-03	6.000	132.3	254.9	137.5	PASSIVE	0.000	-13.40	0.000	1.000	1.000	132.3	0.000	0.000	Strato2_3095_82743_L_0
69 D	30.78	8.7673E-03	10.00	153.9	258.9	153.9	V-C	7968.	-13.60	0.000	1.000	1.000	153.9	0.000	0.000	Strato2_3095_82743_L_0
70 D	30.75	8.2419E-03	14.00	153.7	262.9	153.7	V-C	7968.	-13.80	0.000	1.000	1.000	153.7	0.000	0.000	Strato2_3095_82743_L_0
71 D	30.68	7.7217E-03	18.00	153.4	266.9	153.4	V-C	7968.	-14.00	0.000	1.000	1.000	153.4	0.000	0.000	Strato2_3095_82743_L_0
72 D	30.59	7.2075E-03	22.00	153.0	270.9	153.0	V-C	7968.	-14.20	0.000	1.000	1.000	153.0	0.000	0.000	Strato2_3095_82743_L_0
73 D	30.49	6.7002E-03	26.00	152.5	274.9	152.5	V-C	7968.	-14.40	0.000	1.000	1.000	152.5	0.000	0.000	Strato2_3095_82743_L_0
74 D	30.38	6.2005E-03	30.00	151.9	278.9	151.9	V-C	7968.	-14.60	0.000	1.000	1.000	151.9	0.000	0.000	Strato2_3095_82743_L_0
75 D	30.26	5.7087E-03	34.00	151.3	282.9	151.3	V-C	7968.	-14.80	0.000	1.000	1.000	151.3	0.000	0.000	Strato2_3095_82743_L_0
76 D	30.15	5.2253E-03	38.00	150.7	286.9	150.7	V-C	7968.	-15.00	0.000	1.000	1.000	150.7	0.000	0.000	Strato2_3095_82743_L_0
77 D	30.03	4.7502E-03	42.00	150.1	290.9	150.1	V-C	7968.	-15.20	0.000	1.000	1.000	150.1	0.000	0.000	Strato2_3095_82743_L_0
78 D	29.37	4.2835E-03	46.00	146.9	294.9	150.9	UL-RL	2.3904E+04	-15.40	0.000	1.000	1.000	146.9	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.28	3.8248E-03	50.00	141.4	298.9	152.8	UL-RL	2.3904E+04	-15.60	0.000	1.000	1.000	141.4	0.000	0.000	Strato2_3095_82743_L_0
80 D	27.19	3.3737E-03	54.00	135.9	302.9	154.7	UL-RL	2.3904E+04	-15.80	0.000	1.000	1.000	135.9	0.000	0.000	Strato2_3095_82743_L_0
81 D	26.10	2.9297E-03	58.00	130.5	306.9	156.6	UL-RL	2.3904E+04	-16.00	0.000	1.000	1.000	130.5	0.000	0.000	Strato2_3095_82743_L_0
82 D	25.03	2.4920E-03	62.00	125.1	310.9	158.5	UL-RL	2.3904E+04	-16.20	0.000	1.000	1.000	125.1	0.000	0.000	Strato2_3095_82743_L_0
83 D	23.96	2.0600E-03	66.00	119.8	314.9	160.5	UL-RL	2.3904E+04	-16.40	0.000	1.000	1.000				

```
119.8       0.000       0.000     Strato2_3095_82743_L_0
  84 D   22.90      1.6327E-03   70.00       114.5       318.9       162.4          UL-RL  2.3904E+04  -16.60       0.000       1.000       1.000
114.5       0.000       0.000     Strato2_3095_82743_L_0
  85 D   21.84      1.2093E-03   74.00       109.2       322.9       164.3          UL-RL  2.3904E+04  -16.80       0.000       1.000       1.000
109.2       0.000       0.000     Strato2_3095_82743_L_0
  86 D   20.78      7.8891E-04   78.00       103.9       326.9       166.3          UL-RL  2.3904E+04  -17.00       0.000       1.000       1.000
103.9       0.000       0.000     Strato2_3095_82743_L_0
  87 D   19.73      3.7080E-04   82.00       98.64       330.9       168.2          UL-RL  2.3904E+04  -17.20       0.000       1.000       1.000
98.64       0.000       0.000     Strato2_3095_82743_L_0
  88 D   18.67     -4.5783E-05   86.00       93.36       334.9       170.1          UL-RL  2.3904E+04  -17.40       0.000       1.000       1.000
93.36       0.000       0.000     Strato2_3095_82743_L_0
  89 D   17.62     -4.6145E-04   90.00       88.08       338.9       172.1          UL-RL  2.3904E+04  -17.60       0.000       1.000       1.000
88.08       0.000       0.000     Strato2_3095_82743_L_0
  90 D   16.55     -8.7668E-04   94.00       82.77       342.9       174.0          UL-RL  2.3904E+04  -17.80       0.000       1.000       1.000
82.77       0.000       0.000     Strato2_3095_82743_L_0
  91 D   7.745     -1.2918E-03   98.00       77.45       346.9       175.9          UL-RL  2.3904E+04  -18.00       0.000       1.000       1.000
77.45       0.000       0.000     Strato2_3095_82743_L_0
```

```
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                                |
 |                                  Exe Time :29 July 2019      18:00:08                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     7.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  1.5505     -1.5505     8.22986E-11 0.31011
     2  4.4659     -4.4659    -0.31011      1.2033
     3  8.4510     -8.4510     -1.2033      2.8935
     4  12.343     -12.343     -2.8935      5.3620
     5  16.791     -16.791     -5.3620      8.7202
     6  21.138     -21.138     -8.7202      12.948
     7  25.848     -25.848     -12.948      18.117
     8  30.471     -30.471     -18.117      24.212
     9  35.317     -35.317     -24.212      31.275
    10  40.115     -40.115     -31.275      39.298
    11  45.303     -45.303     -39.298      48.359
    12  50.603     -50.603     -48.359      58.479
    13  56.255     -56.255     -58.479      69.730
    14  62.025     -62.025     -69.730      82.135
    15  68.119     -68.119     -82.135      95.759
    16 -145.83      145.83     -95.759      66.593
    17 -139.34      139.34     -66.593      38.726
    18 -132.72      132.72     -38.726      12.181
    19 -125.83      125.83     -12.181     -12.984
    20 -118.81      118.81      12.984     -36.746
    21 -111.52      111.52      36.746     -59.050
    22 -104.12      104.12      59.050     -79.875
    23 -96.473      96.473      79.875     -99.169
    24 -88.730      88.730      99.169     -116.92
    25 -80.756      80.756      116.92     -133.07
    26 -72.677      72.677      133.07     -147.60
    27 -64.254      64.254      147.60     -160.45
    28 -55.647      55.647      160.45     -171.58
    29 -46.749      46.749      171.58     -180.93
    30 -37.664      37.664      180.93     -188.46
    31 -28.306      28.306      188.46     -194.13
    32 -18.758      18.758      194.13     -197.88
    33 -8.9267      8.9267      197.88     -199.66
    34  1.0967     -1.0967      199.66     -199.44
    35  11.400     -11.400      199.44     -197.16
    36  21.897     -21.897      197.16     -192.78
    37  32.671     -32.671      192.78     -186.25
    38  43.640     -43.640      186.25     -177.52
    39  54.873     -54.873      177.52     -166.55
    40  66.304     -66.304      166.55     -153.29
    41  78.007     -78.007      153.29     -137.69
    42  89.909     -89.909      137.69     -119.70
    43  102.08     -102.08      119.70     -99.288
    44  114.45     -114.45      99.288     -76.397
    45  127.09     -127.09      76.397     -50.978
```

46	-129.01	129.01	50.978	-76.779
47	-115.91	115.91	76.779	-99.961
48	-102.61	102.61	99.961	-120.48
49	-89.040	89.040	120.48	-138.29
50	-75.269	75.269	138.29	-153.34
51	-61.234	61.234	153.34	-165.59
52	-46.995	46.995	165.59	-174.99
53	-32.494	32.494	174.99	-181.49
54	-17.795	17.795	181.49	-185.05
55	-2.8346	2.8346	185.05	-185.61
56	12.332	-12.332	185.61	-183.15
57	27.759	-27.759	183.15	-177.60
58	43.393	-43.393	177.60	-168.92
59	59.286	-59.286	168.92	-157.06
60	75.387	-75.387	157.06	-141.98
61	91.739	-91.739	141.98	-123.64
62	108.30	-108.30	123.64	-101.98
63	125.12	-125.12	101.98	-76.952
64	142.15	-142.15	76.952	-48.522
65	159.43	-159.43	48.522	-16.636
66	176.92	-176.92	16.636	18.749
67	165.02	-165.02	-18.749	51.753
68	148.59	-148.59	-51.753	81.471
69	128.03	-128.03	-81.471	107.08
70	107.68	-107.68	-107.08	128.61
71	87.596	-87.596	-128.61	146.13
72	67.774	-67.774	-146.13	159.69
73	48.260	-48.260	-159.69	169.34
74	29.032	-29.032	-169.34	175.15
75	10.124	-10.124	-175.15	177.17
76	-8.4959	8.4959	-177.17	175.47
77	-26.794	26.794	-175.47	170.11
78	-44.263	44.263	-170.11	161.26
79	-60.431	60.431	-161.26	149.17
80	-73.465	73.465	-149.17	134.48
81	-82.852	82.852	-134.48	117.91
82	-88.632	88.632	-117.91	100.18
83	-90.902	90.902	-100.18	82.003
84	-89.641	89.641	-82.003	64.074
85	-84.925	84.925	-64.074	47.089
86	-76.715	76.715	-47.089	31.746
87	-65.079	65.079	-31.746	18.730
88	-49.969	49.969	-18.730	8.7364
89	-32.108	32.108	-8.7364	2.3148
90	-11.574	11.574	-2.3148	1.23773E-11

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   227.90     -1.07620E-03  2.09497E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:00:08                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
```

```
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1    278.42     -2.62486E-03  1.87126E-03   0.0000       6321.2       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      18:00:08                                             |
+-------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                      2
        2           CONVERGENCE :YES                      4
        3           CONVERGENCE :YES                      5
        4           CONVERGENCE :YES                      4
        5           CONVERGENCE :YES                      6
        6           CONVERGENCE :YES                      3
        7           CONVERGENCE :YES                      5



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.10 [sec]
DATABASE  CREATION CPU TIME.....    0.39 [sec]
```

2.7. Design Assumption : A2+M2+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
 * Time:lunedì 29 luglio 2019 18:00:09
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -18 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -18 0 1 0
 SOIL 0_R LeftWall_32 -18 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
```

```
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0



* 6.3: Strips
STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
STRIP LeftWall_32 2 7 0 40 0 13 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.5
WATER -26 0 -18 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ENDSTEP
```

```
STEP Stage6_1682
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -9.5
WATER -26 0 -18 0 0
ADD Tirante2_1507
ENDSTEP

STEP Stage7_1779
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -13.1
WATER -26 0 -18 0 0
ENDSTEP
```

2.8. Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:00:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

                  ************************************************************
                  *                                                          *
                  *  PARATIE PLUS Non-Linear Spring Engine                   *
                  *                                                          *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM         *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES         *
                  *                                                          *
                  *          Written by Ce.A.S. s.r.l. (ITALY)               *
                  *          with the scientific supervision of              *
                  *          Roberto Nova - full professor SOIL MECHANICS    *
                  *          at Politecnico di Milano (ITALY)                *
                  *                                                          *
                  ************************************************************
                  *                                                          *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *     *
                  *                                                          *
                  *                                                          *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE       *
                  *              VIALE   GIUSTINIANO 10                      *
                  *              20129   M I L A N O  (ITALIA)               *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)         *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)         *
                  *  email       bruno.becci@ceas.it                         *
                  *  Web Page    www.ceas.it                                 *
                  ************************************************************



 JOB : NewProject.BaseDesignSection_28.A2M2R1_3514
 STARTING
ACCEPTED   <FILE,GENW                                                        >
ACCEPTED   <FILE,PLOTTER,BINARY                                              >
ACCEPTED   <SOLVE TOTAL_STRESS                                               >
ACCEPTED   <PARAM ITEMAX 100                                                 >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                    >


                  ************************************************************
                  *                                                          *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED     *
                  *    BY THE PROGRAM.                                       *
                  ************************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-----------------------------------------------------------------------------------------------------------------------+
```

```
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      18:00:09                                               |
+---------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   91
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  182
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    5
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................  109
NO. OF LONG NAMES (LASTNAME) ..................   26
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+---------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      18:00:09                                               |
+---------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S    109

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -18 0 1
    7 : SOIL 0_L LeftWall_32 -18 0 1 0
    8 : SOIL 0_R LeftWall_32 -18 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -13.1 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
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 27 : BEAM WallElement_33 LeftWall_32 -18 0 C2530_104 0.6848 00 00 0
 28 : WIRE Tirante1_429 LeftWall_32 -3 acciaioarmonico_124 1.974E-05 140.9 15 0 0
 29 : WIRE Tirante2_1507 LeftWall_32 -9 acciaioarmonico_124 3.159E-05 250 15 0 0
 30 : STRIP LeftWall_32 2 7 0.325 39.68 0 49.4 45
 31 : STRIP LeftWall_32 2 7 0 40 0 13 30
 32 : STEP Stage1_31
 33 : CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
 34 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 35 : CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
 36 : CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
 37 : CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
 38 : CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
 39 : CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
 40 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 41 : CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
 42 : CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
 43 : CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
 44 : CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
 45 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 46 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 47 : CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
 48 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 49 : SETWALL LeftWall_32
 50 : GEOM 0 0
 51 : WATER -26 0 -18 0 0
 52 : ADD WallElement_33
 53 : ENDSTEP
 54 : STEP Stage2_755438
 55 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 56 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 57 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 58 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 59 : SETWALL LeftWall_32
 60 : GEOM 0 0
 61 : WATER -26 0 -18 0 0
 62 : ENDSTEP
 63 : STEP Stage3_158
 64 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 65 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 66 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 67 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 68 : SETWALL LeftWall_32
 69 : GEOM 0 -3.5
 70 : WATER -26 0 -18 0 0
 71 : ENDSTEP
 72 : STEP Stage4_617
 73 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 74 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 75 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 76 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 77 : SETWALL LeftWall_32
 78 : GEOM 0 -3.5
 79 : WATER -26 0 -18 0 0
 80 : ADD Tirante1_429
 81 : ENDSTEP
 82 : STEP Stage5_714
 83 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 84 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 85 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 86 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 87 : SETWALL LeftWall_32
 88 : GEOM 0 -9.5
 89 : WATER -26 0 -18 0 0
 90 : ENDSTEP
 91 : STEP Stage6_1682
 92 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
 93 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
 94 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 95 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
 96 : SETWALL LeftWall_32
 97 : GEOM 0 -9.5
 98 : WATER -26 0 -18 0 0
 99 : ADD Tirante2_1507
100 : ENDSTEP
101 : STEP Stage7_1779
102 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
103 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
104 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
105 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
106 : SETWALL LeftWall_32
107 : GEOM 0 -13.1
108 : WATER -26 0 -18 0 0
109 : ENDSTEP
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /   82  0.0000     -16.200     /   83  0.0000     -16.400     /   84  0.0000     -16.600     /
  85  0.0000     -16.800     /   86  0.0000     -17.000     /   87  0.0000     -17.200     /   88  0.0000     -17.400     /
  89  0.0000     -17.600     /   90  0.0000     -17.800     /   91  0.0000     -18.000     /



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
```

4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	1	0.2000	0.000	0.000	0.000	1.000
63	63	1	0.2000	0.000	0.000	0.000	1.000
64	64	1	0.2000	0.000	0.000	0.000	1.000
65	65	1	0.2000	0.000	0.000	0.000	1.000
66	66	1	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.2000	0.000	0.000	0.000	1.000
82	82	2	0.2000	0.000	0.000	0.000	1.000
83	83	2	0.2000	0.000	0.000	0.000	1.000
84	84	2	0.2000	0.000	0.000	0.000	1.000
85	85	2	0.2000	0.000	0.000	0.000	1.000
86	86	2	0.2000	0.000	0.000	0.000	1.000
87	87	2	0.2000	0.000	0.000	0.000	1.000
88	88	2	0.2000	0.000	0.000	0.000	1.000

89	89	2	0.2000	0.000	0.000	0.000	1.000
90	90	2	0.2000	0.000	0.000	0.000	1.000
91	91	2	0.1000	0.000	0.000	0.000	1.000

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                 Exe Time :29 July 2019      18:00:09                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                             :
   5  91   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000

36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.2000	0.000	0.000	0.000	2.000
62	62	1	0.2000	0.000	0.000	0.000	2.000
63	63	1	0.2000	0.000	0.000	0.000	2.000
64	64	1	0.2000	0.000	0.000	0.000	2.000
65	65	1	0.2000	0.000	0.000	0.000	2.000
66	66	1	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.2000	0.000	0.000	0.000	2.000
82	82	2	0.2000	0.000	0.000	0.000	2.000
83	83	2	0.2000	0.000	0.000	0.000	2.000
84	84	2	0.2000	0.000	0.000	0.000	2.000
85	85	2	0.2000	0.000	0.000	0.000	2.000
86	86	2	0.2000	0.000	0.000	0.000	2.000
87	87	2	0.2000	0.000	0.000	0.000	2.000
88	88	2	0.2000	0.000	0.000	0.000	2.000
89	89	2	0.2000	0.000	0.000	0.000	2.000
90	90	2	0.2000	0.000	0.000	0.000	2.000
91	91	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                                |
|                                 Exe Time :29 July 2019      18:00:09                                                          |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  90   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.....2D WALL ELEMENT.....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
    6   active
    7   active
```

material set no. 1

prop(1) young modulus 0.314800E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.308300E-43

no. of step variable items: 1
step inertia multipier

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000
6	1.000
7	1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000

61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000
81	81	82	1	0.000	0.000	0.6848	0.000	0.000
82	82	83	1	0.000	0.000	0.6848	0.000	0.000
83	83	84	1	0.000	0.000	0.6848	0.000	0.000
84	84	85	1	0.000	0.000	0.6848	0.000	0.000
85	85	86	1	0.000	0.000	0.6848	0.000	0.000
86	86	87	1	0.000	0.000	0.6848	0.000	0.000
87	87	88	1	0.000	0.000	0.6848	0.000	0.000
88	88	89	1	0.000	0.000	0.6848	0.000	0.000
89	89	90	1	0.000	0.000	0.6848	0.000	0.000
90	90	91	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   16    1   0.1974E-04 140.9     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  5

Tirante2_1507                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....................2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
    4  inactive
    5  inactive
    6   active
    7   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000
    6   0.000       0.000
    7   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   46    1   0.3159E-04 250.0     0.000     0.000



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
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NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A



    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
```

```
    0.80000    0.0000E+00
    1.00000    0.1000E+01
    1.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    2
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    1.80000    0.0000E+00
    2.00000    0.1000E+01
    2.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    3
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    2.80000    0.0000E+00
    3.00000    0.1000E+01
    3.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    3.80000    0.0000E+00
    4.00000    0.1000E+01
    4.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    4.80000    0.0000E+00
    5.00000    0.1000E+01
    5.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    5.80000    0.0000E+00
    6.00000    0.1000E+01
    6.20000    0.0000E+00
    8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

    0.00000    0.0000E+00
    6.80000    0.0000E+00
    7.00000    0.1000E+01
    7.20000    0.0000E+00
    8.00000    0.0000E+00
```

```
     LOAD FUNCTION NUMBER   =    8
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        0.80000    0.0000E+00
        1.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    9
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        1.80000    0.0000E+00
        2.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   10
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   11
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        3.80000    0.0000E+00
        4.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   12
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        4.80000    0.0000E+00
        5.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   13
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        5.80000    0.0000E+00
        6.00000    0.1000E+01
        8.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   14
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        6.80000    0.0000E+00
        7.00000    0.1000E+01
        8.00000    0.1000E+01


 NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
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NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
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ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
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ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4
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ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
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ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -13.100     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                   Exe Time :29 July 2019      18:00:09                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -18.00        -18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=========================================================================================================end of step    2
```

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000

ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-9.500	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 6

STEP NO. 7

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-13.10	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-18.00	-18.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000

```
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -18.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      18:00:09                                              |
+-------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.325000000000000
 FOUNDATION WIDTH    (B)            39.6800000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          49.4000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          13.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4903
```

```
 NO. OF D.P.W  FOR THIS AREA      10857
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7368E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 34.29     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.7368E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   182 NODE     91 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:00:09                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:00:09                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

0_L                            :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
C U R R E N T   T I M E   I S      1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
```

Peq	Su_a	Su_p										
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.2810E+04	0.000	0.000	1.000	1.000
0.000	0.000	0.000	Strato1_2_8_L_0									
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.2810E+04	-0.2000	0.000	1.000	1.000
2.014	0.000	0.000	Strato1_2_8_L_0									
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.2810E+04	-0.4000	0.000	1.000	1.000
4.028	0.000	0.000	Strato1_2_8_L_0									
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.2810E+04	-0.6000	0.000	1.000	1.000
6.042	0.000	0.000	Strato1_2_8_L_0									
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.2810E+04	-0.8000	0.000	1.000	1.000
8.056	0.000	0.000	Strato1_2_8_L_0									
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.2810E+04	-1.000	0.000	1.000	1.000
10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.2810E+04	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.2810E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.2810E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.2810E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.2810E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.2810E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.2810E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.2810E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.2810E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.2810E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.2810E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.2810E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.2810E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.2810E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.2810E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.2810E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.2810E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.2810E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.2810E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.2810E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.2810E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.2810E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.2810E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.2810E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.2810E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.2810E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.2810E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.2810E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.2810E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.2810E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.2810E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.2810E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.2810E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.2810E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.2810E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									

42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.2810E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.2810E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.2810E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.2810E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.2810E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.2810E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.2810E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.2810E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.2810E+04	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.2810E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.2810E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.2810E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.2810E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.2810E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.2810E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.2810E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.2810E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.2810E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.2810E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.2810E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.2810E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.2810E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	1.2810E+04	-12.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									
65 D	25.78	0.000	243.2	128.9	243.2	128.9	V-C	1.2810E+04	-12.80	0.000	1.000	1.000
128.9	0.000	0.000	Strato1_2_8_L_0									
66 D	26.18	0.000	247.0	130.9	247.0	130.9	V-C	1.2810E+04	-13.00	0.000	1.000	1.000
130.9	0.000	0.000	Strato1_2_8_L_0									
67 D	25.09	0.000	250.9	125.5	250.9	125.5	V-C	3.5552E+04	-13.20	0.000	1.000	1.000
125.5	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.49	0.000	254.9	127.5	254.9	127.5	V-C	3.5552E+04	-13.40	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.89	0.000	258.9	129.4	258.9	129.4	V-C	3.5552E+04	-13.60	0.000	1.000	1.000
129.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.29	0.000	262.9	131.5	262.9	131.5	V-C	3.5552E+04	-13.80	0.000	1.000	1.000
131.5	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.69	0.000	266.9	133.5	266.9	133.5	V-C	3.5552E+04	-14.00	0.000	1.000	1.000
133.5	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.09	0.000	270.9	135.4	270.9	135.4	V-C	3.5552E+04	-14.20	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.49	0.000	274.9	137.4	274.9	137.4	V-C	3.5552E+04	-14.40	0.000	1.000	1.000
137.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.89	0.000	278.9	139.4	278.9	139.4	V-C	3.5552E+04	-14.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.29	0.000	282.9	141.4	282.9	141.4	V-C	3.5552E+04	-14.80	0.000	1.000	1.000
141.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	28.69	0.000	286.9	143.4	286.9	143.4	V-C	3.5552E+04	-15.00	0.000	1.000	1.000
143.4	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.09	0.000	290.9	145.4	290.9	145.4	V-C	3.5552E+04	-15.20	0.000	1.000	1.000
145.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	29.49	0.000	294.9	147.4	294.9	147.4	V-C	3.5552E+04	-15.40	0.000	1.000	1.000
147.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	29.89	0.000	298.9	149.4	298.9	149.4	V-C	3.5552E+04	-15.60	0.000	1.000	1.000
149.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.29	0.000	302.9	151.4	302.9	151.4	V-C	3.5552E+04	-15.80	0.000	1.000	1.000
151.4	0.000	0.000	Strato2_3095_82743_L_0									
81 D	30.69	0.000	306.9	153.4	306.9	153.4	V-C	3.5552E+04	-16.00	0.000	1.000	1.000
153.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.09	0.000	310.9	155.4	310.9	155.4	V-C	3.5552E+04	-16.20	0.000	1.000	1.000
155.4	0.000	0.000	Strato2_3095_82743_L_0									
83 D	31.49	0.000	314.9	157.4	314.9	157.4	V-C	3.5552E+04	-16.40	0.000	1.000	1.000
157.4	0.000	0.000	Strato2_3095_82743_L_0									
84 D	31.89	0.000	318.9	159.4	318.9	159.4	V-C	3.5552E+04	-16.60	0.000	1.000	1.000

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159.4       0.000      0.000     Strato2_3095_82743_L_0
  85 D   32.29      0.000     322.9       161.5      322.9       161.5              V-C  3.5552E+04  -16.80       0.000        1.000        1.000
161.5       0.000      0.000     Strato2_3095_82743_L_0
  86 D   32.69      0.000     326.9       163.4      326.9       163.4              V-C  3.5552E+04  -17.00       0.000        1.000        1.000
163.4       0.000      0.000     Strato2_3095_82743_L_0
  87 D   33.09      0.000     330.9       165.4      330.9       165.4              V-C  3.5552E+04  -17.20       0.000        1.000        1.000
165.4       0.000      0.000     Strato2_3095_82743_L_0
  88 D   33.49      0.000     334.9       167.4      334.9       167.4              V-C  3.5552E+04  -17.40       0.000        1.000        1.000
167.4       0.000      0.000     Strato2_3095_82743_L_0
  89 D   33.89      0.000     338.9       169.5      338.9       169.5              V-C  3.5552E+04  -17.60       0.000        1.000        1.000
169.5       0.000      0.000     Strato2_3095_82743_L_0
  90 D   34.29      0.000     342.9       171.5      342.9       171.5              V-C  3.5552E+04  -17.80       0.000        1.000        1.000
171.5       0.000      0.000     Strato2_3095_82743_L_0
  91 D   17.34      0.000     346.9       173.4      346.9       173.4              V-C  3.5552E+04  -18.00       0.000        1.000        1.000
173.4       0.000      0.000     Strato2_3095_82743_L_0



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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
 |                                  Exe Time :29 July 2019      18:00:09                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P  N O.   2

 0_R                                :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P            STATE    STIFFNESS Z-LEVEL      PORE        E FACTOR     UFACTOR
Peq             Su_a         Su_p       LAYER
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   1 D   0.000      0.000     0.000       0.000       0.000       0.000              V-C  1.0842E+04   0.000       0.000        1.000        1.000
0.000       0.000      0.000     Strato1_2_8_L_0
   2 D  0.4028      0.000     3.800       2.014       3.800       2.014              V-C  1.0842E+04 -0.2000       0.000        1.000        1.000
2.014       0.000      0.000     Strato1_2_8_L_0
   3 D  0.8056      0.000     7.600       4.028       7.600       4.028              V-C  1.0842E+04 -0.4000       0.000        1.000        1.000
4.028       0.000      0.000     Strato1_2_8_L_0
   4 D   1.208      0.000     11.40       6.042       11.40       6.042              V-C  1.0842E+04 -0.6000       0.000        1.000        1.000
6.042       0.000      0.000     Strato1_2_8_L_0
   5 D   1.611      0.000     15.20       8.056       15.20       8.056              V-C  1.0842E+04 -0.8000       0.000        1.000        1.000
8.056       0.000      0.000     Strato1_2_8_L_0
   6 D   2.014      0.000     19.00       10.07       19.00       10.07              V-C  1.0842E+04  -1.000       0.000        1.000        1.000
10.07       0.000      0.000     Strato1_2_8_L_0
   7 D   2.417      0.000     22.80       12.08       22.80       12.08              V-C  1.0842E+04  -1.200       0.000        1.000        1.000
12.08       0.000      0.000     Strato1_2_8_L_0
   8 D   2.820      0.000     26.60       14.10       26.60       14.10              V-C  1.0842E+04  -1.400       0.000        1.000        1.000
14.10       0.000      0.000     Strato1_2_8_L_0
   9 D   3.222      0.000     30.40       16.11       30.40       16.11              V-C  1.0842E+04  -1.600       0.000        1.000        1.000
16.11       0.000      0.000     Strato1_2_8_L_0
  10 D   3.625      0.000     34.20       18.13       34.20       18.13              V-C  1.0842E+04  -1.800       0.000        1.000        1.000
18.13       0.000      0.000     Strato1_2_8_L_0
  11 D   4.028      0.000     38.00       20.14       38.00       20.14              V-C  1.0842E+04  -2.000       0.000        1.000        1.000
20.14       0.000      0.000     Strato1_2_8_L_0
  12 D   4.431      0.000     41.80       22.15       41.80       22.15              V-C  1.0842E+04  -2.200       0.000        1.000        1.000
22.15       0.000      0.000     Strato1_2_8_L_0
  13 D   4.834      0.000     45.60       24.17       45.60       24.17              V-C  1.0842E+04  -2.400       0.000        1.000        1.000
24.17       0.000      0.000     Strato1_2_8_L_0
  14 D   5.236      0.000     49.40       26.18       49.40       26.18              V-C  1.0842E+04  -2.600       0.000        1.000        1.000
26.18       0.000      0.000     Strato1_2_8_L_0
  15 D   5.639      0.000     53.20       28.20       53.20       28.20              V-C  1.0842E+04  -2.800       0.000        1.000        1.000
28.20       0.000      0.000     Strato1_2_8_L_0
  16 D   6.042      0.000     57.00       30.21       57.00       30.21              V-C  1.0842E+04  -3.000       0.000        1.000        1.000
30.21       0.000      0.000     Strato1_2_8_L_0
  17 D   6.445      0.000     60.80       32.22       60.80       32.22              V-C  1.0842E+04  -3.200       0.000        1.000        1.000
32.22       0.000      0.000     Strato1_2_8_L_0
  18 D   6.848      0.000     64.60       34.24       64.60       34.24              V-C  1.0842E+04  -3.400       0.000        1.000        1.000
34.24       0.000      0.000     Strato1_2_8_L_0
  19 D   7.250      0.000     68.40       36.25       68.40       36.25              V-C  1.0842E+04  -3.600       0.000        1.000        1.000
36.25       0.000      0.000     Strato1_2_8_L_0
  20 D   7.653      0.000     72.20       38.27       72.20       38.27              V-C  1.0842E+04  -3.800       0.000        1.000        1.000
38.27       0.000      0.000     Strato1_2_8_L_0
  21 D   8.056      0.000     76.00       40.28       76.00       40.28              V-C  1.0842E+04  -4.000       0.000        1.000        1.000
40.28       0.000      0.000     Strato1_2_8_L_0
  22 D   8.459      0.000     79.80       42.29       79.80       42.29              V-C  1.0842E+04  -4.200       0.000        1.000        1.000
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42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.0842E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.0842E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.0842E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.0842E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.0842E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.0842E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.0842E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.0842E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.0842E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.0842E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.0842E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.0842E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.0842E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.0842E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.0842E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.0842E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.0842E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.0842E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.0842E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.0842E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.0842E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.0842E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	17.72	0.000	167.2	88.62	167.2	88.62	V-C	1.0842E+04	-8.800	0.000	1.000	1.000
88.62	0.000	0.000	Strato1_2_8_L_0									
46 D	18.13	0.000	171.0	90.63	171.0	90.63	V-C	1.0842E+04	-9.000	0.000	1.000	1.000
90.63	0.000	0.000	Strato1_2_8_L_0									
47 D	18.53	0.000	174.8	92.64	174.8	92.64	V-C	1.0842E+04	-9.200	0.000	1.000	1.000
92.64	0.000	0.000	Strato1_2_8_L_0									
48 D	18.93	0.000	178.6	94.66	178.6	94.66	V-C	1.0842E+04	-9.400	0.000	1.000	1.000
94.66	0.000	0.000	Strato1_2_8_L_0									
49 D	19.33	0.000	182.4	96.67	182.4	96.67	V-C	1.0842E+04	-9.600	0.000	1.000	1.000
96.67	0.000	0.000	Strato1_2_8_L_0									
50 D	19.74	0.000	186.2	98.69	186.2	98.69	V-C	1.0842E+04	-9.800	0.000	1.000	1.000
98.69	0.000	0.000	Strato1_2_8_L_0									
51 D	20.14	0.000	190.0	100.7	190.0	100.7	V-C	1.0842E+04	-10.00	0.000	1.000	1.000
100.7	0.000	0.000	Strato1_2_8_L_0									
52 D	20.54	0.000	193.8	102.7	193.8	102.7	V-C	1.0842E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato1_2_8_L_0									
53 D	20.95	0.000	197.6	104.7	197.6	104.7	V-C	1.0842E+04	-10.40	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.35	0.000	201.4	106.7	201.4	106.7	V-C	1.0842E+04	-10.60	0.000	1.000	1.000
106.7	0.000	0.000	Strato1_2_8_L_0									
55 D	21.75	0.000	205.2	108.8	205.2	108.8	V-C	1.0842E+04	-10.80	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
56 D	22.15	0.000	209.0	110.8	209.0	110.8	V-C	1.0842E+04	-11.00	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
57 D	22.56	0.000	212.8	112.8	212.8	112.8	V-C	1.0842E+04	-11.20	0.000	1.000	1.000
112.8	0.000	0.000	Strato1_2_8_L_0									
58 D	22.96	0.000	216.6	114.8	216.6	114.8	V-C	1.0842E+04	-11.40	0.000	1.000	1.000
114.8	0.000	0.000	Strato1_2_8_L_0									
59 D	23.36	0.000	220.4	116.8	220.4	116.8	V-C	1.0842E+04	-11.60	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
60 D	23.77	0.000	224.2	118.8	224.2	118.8	V-C	1.0842E+04	-11.80	0.000	1.000	1.000
118.8	0.000	0.000	Strato1_2_8_L_0									
61 D	24.17	0.000	228.0	120.8	228.0	120.8	V-C	1.0842E+04	-12.00	0.000	1.000	1.000
120.8	0.000	0.000	Strato1_2_8_L_0									
62 D	24.57	0.000	231.8	122.9	231.8	122.9	V-C	1.0842E+04	-12.20	0.000	1.000	1.000
122.9	0.000	0.000	Strato1_2_8_L_0									
63 D	24.97	0.000	235.6	124.9	235.6	124.9	V-C	1.0842E+04	-12.40	0.000	1.000	1.000
124.9	0.000	0.000	Strato1_2_8_L_0									
64 D	25.38	0.000	239.4	126.9	239.4	126.9	V-C	1.0842E+04	-12.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									

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  65 D   25.78       0.000       243.2       128.9       243.2       128.9          V-C  1.0842E+04  -12.80       0.000       1.000       1.000
128.9       0.000       0.000     Strato1_2_8_L_0
  66 D   26.18       0.000       247.0       130.9       247.0       130.9          V-C  1.0842E+04  -13.00       0.000       1.000       1.000
130.9       0.000       0.000     Strato1_2_8_L_0
  67 D   25.09       0.000       250.9       125.5       250.9       125.5          V-C  2.4416E+04  -13.20       0.000       1.000       1.000
125.5       0.000       0.000     Strato2_3095_82743_L_0
  68 D   25.49       0.000       254.9       127.5       254.9       127.5          V-C  2.4416E+04  -13.40       0.000       1.000       1.000
127.5       0.000       0.000     Strato2_3095_82743_L_0
  69 D   25.89       0.000       258.9       129.4       258.9       129.4          V-C  2.4416E+04  -13.60       0.000       1.000       1.000
129.4       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.29       0.000       262.9       131.5       262.9       131.5          V-C  2.4416E+04  -13.80       0.000       1.000       1.000
131.5       0.000       0.000     Strato2_3095_82743_L_0
  71 D   26.69       0.000       266.9       133.5       266.9       133.5          V-C  2.4416E+04  -14.00       0.000       1.000       1.000
133.5       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.09       0.000       270.9       135.4       270.9       135.4          V-C  2.4416E+04  -14.20       0.000       1.000       1.000
135.4       0.000       0.000     Strato2_3095_82743_L_0
  73 D   27.49       0.000       274.9       137.4       274.9       137.4          V-C  2.4416E+04  -14.40       0.000       1.000       1.000
137.4       0.000       0.000     Strato2_3095_82743_L_0
  74 D   27.89       0.000       278.9       139.4       278.9       139.4          V-C  2.4416E+04  -14.60       0.000       1.000       1.000
139.4       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.29       0.000       282.9       141.4       282.9       141.4          V-C  2.4416E+04  -14.80       0.000       1.000       1.000
141.4       0.000       0.000     Strato2_3095_82743_L_0
  76 D   28.69       0.000       286.9       143.4       286.9       143.4          V-C  2.4416E+04  -15.00       0.000       1.000       1.000
143.4       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.09       0.000       290.9       145.4       290.9       145.4          V-C  2.4416E+04  -15.20       0.000       1.000       1.000
145.4       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.49       0.000       294.9       147.4       294.9       147.4          V-C  2.4416E+04  -15.40       0.000       1.000       1.000
147.4       0.000       0.000     Strato2_3095_82743_L_0
  79 D   29.89       0.000       298.9       149.4       298.9       149.4          V-C  2.4416E+04  -15.60       0.000       1.000       1.000
149.4       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.29       0.000       302.9       151.4       302.9       151.4          V-C  2.4416E+04  -15.80       0.000       1.000       1.000
151.4       0.000       0.000     Strato2_3095_82743_L_0
  81 D   30.69       0.000       306.9       153.4       306.9       153.4          V-C  2.4416E+04  -16.00       0.000       1.000       1.000
153.4       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.09       0.000       310.9       155.4       310.9       155.4          V-C  2.4416E+04  -16.20       0.000       1.000       1.000
155.4       0.000       0.000     Strato2_3095_82743_L_0
  83 D   31.49       0.000       314.9       157.4       314.9       157.4          V-C  2.4416E+04  -16.40       0.000       1.000       1.000
157.4       0.000       0.000     Strato2_3095_82743_L_0
  84 D   31.89       0.000       318.9       159.4       318.9       159.4          V-C  2.4416E+04  -16.60       0.000       1.000       1.000
159.4       0.000       0.000     Strato2_3095_82743_L_0
  85 D   32.29       0.000       322.9       161.5       322.9       161.5          V-C  2.4416E+04  -16.80       0.000       1.000       1.000
161.5       0.000       0.000     Strato2_3095_82743_L_0
  86 D   32.69       0.000       326.9       163.4       326.9       163.4          V-C  2.4416E+04  -17.00       0.000       1.000       1.000
163.4       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.09       0.000       330.9       165.4       330.9       165.4          V-C  2.4416E+04  -17.20       0.000       1.000       1.000
165.4       0.000       0.000     Strato2_3095_82743_L_0
  88 D   33.49       0.000       334.9       167.4       334.9       167.4          V-C  2.4416E+04  -17.40       0.000       1.000       1.000
167.4       0.000       0.000     Strato2_3095_82743_L_0
  89 D   33.89       0.000       338.9       169.5       338.9       169.5          V-C  2.4416E+04  -17.60       0.000       1.000       1.000
169.5       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.29       0.000       342.9       171.5       342.9       171.5          V-C  2.4416E+04  -17.80       0.000       1.000       1.000
171.5       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.34       0.000       346.9       173.4       346.9       173.4          V-C  2.4416E+04  -18.00       0.000       1.000       1.000
173.4       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                    Exe Time :29 July 2019      18:00:09                                                       |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S      1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
```

9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000
81	0.0000	0.0000	0.0000	0.0000
82	0.0000	0.0000	0.0000	0.0000
83	0.0000	0.0000	0.0000	0.0000
84	0.0000	0.0000	0.0000	0.0000
85	0.0000	0.0000	0.0000	0.0000
86	0.0000	0.0000	0.0000	0.0000
87	0.0000	0.0000	0.0000	0.0000
88	0.0000	0.0000	0.0000	0.0000
89	0.0000	0.0000	0.0000	0.0000
90	0.0000	0.0000	0.0000	0.0000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8883E+05 RIMNOR= 0.000
           RENORM= 1562.     REMNOR= 0.000     RATIO =0.1326     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.56     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8883E+05 RDR   = 0.000
           RATIOT=0.1326     RATIOR= 0.000
           MAX UN= 4.461     IEQ=   129 NODE     65 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8883E+05 RIMNOR= 0.000
           RENORM= 12.15     REMNOR=0.5487E-20 RATIO =0.1170E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.56     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8883E+05 RDR   = 0.000
           RATIOT=0.1170E-01 RATIOR= 0.000
           MAX UN= 1.878     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2695E-09 IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.8883E+05 RIMNOR= 0.000
           RENORM= 1.719     REMNOR=0.2171E-20 RATIO =0.4399E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.56     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.8883E+05 RDR   = 0.000
           RATIOT=0.4399E-02 RATIOR= 0.000
           MAX UN=0.8510     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-.3694E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
```

```
            RINORM=0.8883E+05 RIMNOR= 0.000
            RENORM=0.1314E-02 REMNOR=0.1301E-20 RATIO =0.1216E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 38.56     RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.8883E+05 RDR   = 0.000
            RATIOT=0.1216E-03 RATIOR= 0.000
            MAX UN=0.3152E-01 IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
            MIN UN=-.1167E-09 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.8883E+05 RIMNOR= 0.000
            RENORM=0.9670E-08 REMNOR=0.1209E-20 RATIO =0.3299E-06 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 38.56     RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.8883E+05 RDR   = 0.000
            RATIOT=0.3299E-06 RATIOR= 0.000
            MAX UN=0.9833E-04 IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
            MIN UN=-.1624E-09 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.7204056E-04  -4.3102964E-05
    2   6.6342074E-04  -4.3091390E-05
    3   6.5480411E-04  -4.3078266E-05
    4   6.4618853E-04  -4.3078703E-05
    5   6.3757218E-04  -4.3085864E-05
    6   6.2895464E-04  -4.3086176E-05
    7   6.2033950E-04  -4.3059618E-05
    8   6.1173397E-04  -4.2985408E-05
    9   6.0314998E-04  -4.2841563E-05
   10   5.9460325E-04  -4.2609143E-05
   11   5.8611333E-04  -4.2271640E-05
   12   5.7770255E-04  -4.1814827E-05
   13   5.6939617E-04  -4.1226458E-05
   14   5.6122135E-04  -4.0497311E-05
   15   5.5320706E-04  -3.9620925E-05
   16   5.4538300E-04  -3.8594331E-05
   17   5.3777927E-04  -3.7418697E-05
   18   5.3042507E-04  -3.6099810E-05
   19   5.2334827E-04  -3.4647007E-05
   20   5.1657431E-04  -3.3073602E-05
   21   5.1012572E-04  -3.1396764E-05
   22   5.0402107E-04  -2.9637866E-05
   23   4.9827435E-04  -2.7822391E-05
   24   4.9289395E-04  -2.5979811E-05
   25   4.8788219E-04  -2.4141140E-05
   26   4.8323532E-04  -2.2335059E-05
   27   4.7894430E-04  -2.0587068E-05
   28   4.7499510E-04  -1.8919923E-05
   29   4.7136962E-04  -1.7353677E-05
   30   4.6804574E-04  -1.5906024E-05
   31   4.6499827E-04  -1.4592379E-05
   32   4.6219892E-04  -1.3426782E-05
   33   4.5961685E-04  -1.2421912E-05
   34   4.5721871E-04  -1.1588711E-05
   35   4.5496931E-04  -1.0936402E-05
   36   4.5283159E-04  -1.0472689E-05
   37   4.5076726E-04  -1.0203624E-05
   38   4.4873688E-04  -1.0133535E-05
   39   4.4670041E-04  -1.0264941E-05
   40   4.4461739E-04  -1.0599217E-05
   41   4.4244720E-04  -1.1136578E-05
   42   4.4014930E-04  -1.1875689E-05
   43   4.3768367E-04  -1.2813609E-05
   44   4.3501091E-04  -1.3945860E-05
   45   4.3209279E-04  -1.5266316E-05
   46   4.2889228E-04  -1.6767280E-05
   47   4.2537438E-04  -1.8439565E-05
   48   4.2150573E-04  -2.0272691E-05
   49   4.1725544E-04  -2.2254123E-05
   50   4.1259519E-04  -2.4369260E-05
   51   4.0749995E-04  -2.6601166E-05
   52   4.0194820E-04  -2.8930500E-05
   53   3.9592270E-04  -3.1335216E-05
   54   3.8941074E-04  -3.3790487E-05
   55   3.8240497E-04  -3.6268751E-05
   56   3.7490374E-04  -3.8739545E-05
   57   3.6691192E-04  -4.1168880E-05
   58   3.5844146E-04  -4.3519061E-05
   59   3.4951235E-04  -4.5748431E-05
   60   3.4015320E-04  -4.7811190E-05
   61   3.3040232E-04  -4.9657158E-05
   62   3.2030841E-04  -5.1231931E-05
   63   3.0993155E-04  -5.2476672E-05
   64   2.9934399E-04  -5.3327685E-05
   65   2.8863131E-04  -5.3716263E-05
   66   2.7789324E-04  -5.3568644E-05
   67   2.6724485E-04  -5.2805945E-05
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68	2.5681016E-04	-5.1453778E-05
69	2.4669424E-04	-4.9638231E-05
70	2.3697818E-04	-4.7472871E-05
71	2.2772164E-04	-4.5059148E-05
72	2.1896511E-04	-4.2486687E-05
73	2.1073273E-04	-3.9833986E-05
74	2.0303278E-04	-3.7168533E-05
75	1.9586230E-04	-3.4548232E-05
76	1.8920724E-04	-3.2021554E-05
77	1.8304477E-04	-2.9628495E-05
78	1.7734480E-04	-2.7401198E-05
79	1.7207160E-04	-2.5364290E-05
80	1.6718521E-04	-2.3535456E-05
81	1.6264280E-04	-2.1925931E-05
82	1.5839986E-04	-2.0540977E-05
83	1.5441155E-04	-1.9378848E-05
84	1.5063394E-04	-1.8432561E-05
85	1.4702474E-04	-1.7690395E-05
86	1.4354506E-04	-1.7136242E-05
87	1.4015909E-04	-1.6749372E-05
88	1.3683583E-04	-1.6504726E-05
89	1.3354968E-04	-1.6372978E-05
90	1.3028135E-04	-1.6320591E-05
91	1.2701866E-04	-1.6309867E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:00:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.4875	-6.7204E-04	13.00	4.875	13.00	6.890	ACTIVE	0.000	0.000	0.000	1.000	1.000
4.875	0.000	0.000	Strato1_2_8_L_0									
2 D	0.9317	-6.6342E-04	12.42	4.658	12.42	6.584	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
4.658	0.000	0.000	Strato1_2_8_L_0									
3 D	2.499	-6.5480E-04	33.32	12.49	33.32	17.66	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
12.49	0.000	0.000	Strato1_2_8_L_0									
4 D	2.624	-6.4619E-04	34.99	13.12	34.99	18.55	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
13.12	0.000	0.000	Strato1_2_8_L_0									
5 D	3.551	-6.3757E-04	47.34	17.75	47.34	25.09	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
17.75	0.000	0.000	Strato1_2_8_L_0									
6 D	3.664	-6.2895E-04	48.86	18.32	48.86	25.89	ACTIVE	0.000	-1.000	0.000	1.000	1.000
18.32	0.000	0.000	Strato1_2_8_L_0									
7 D	4.351	-6.2034E-04	58.01	21.75	58.01	30.75	ACTIVE	0.000	-1.200	0.000	1.000	1.000
21.75	0.000	0.000	Strato1_2_8_L_0									
8 D	4.483	-6.1173E-04	59.77	22.41	59.77	31.68	ACTIVE	0.000	-1.400	0.000	1.000	1.000
22.41	0.000	0.000	Strato1_2_8_L_0									
9 D	4.991	-6.0315E-04	66.55	24.96	66.55	35.27	ACTIVE	0.000	-1.600	0.000	1.000	1.000
24.96	0.000	0.000	Strato1_2_8_L_0									
10 D	5.149	-5.9460E-04	68.65	25.75	68.65	36.39	ACTIVE	0.000	-1.800	0.000	1.000	1.000
25.75	0.000	0.000	Strato1_2_8_L_0									
11 D	5.664	-5.8611E-04	75.51	28.32	75.51	40.02	ACTIVE	0.000	-2.000	0.000	1.000	1.000
28.32	0.000	0.000	Strato1_2_8_L_0									
12 D	5.835	-5.7770E-04	77.80	29.17	77.80	41.23	ACTIVE	0.000	-2.200	0.000	1.000	1.000
29.17	0.000	0.000	Strato1_2_8_L_0									
13 D	6.306	-5.6940E-04	84.08	31.53	84.08	44.56	ACTIVE	0.000	-2.400	0.000	1.000	1.000
31.53	0.000	0.000	Strato1_2_8_L_0									
14 D	6.488	-5.6122E-04	86.51	32.44	86.51	45.85	ACTIVE	0.000	-2.600	0.000	1.000	1.000
32.44	0.000	0.000	Strato1_2_8_L_0									
15 D	6.929	-5.5321E-04	92.39	34.65	92.39	48.97	ACTIVE	0.000	-2.800	0.000	1.000	1.000
34.65	0.000	0.000	Strato1_2_8_L_0									
16 D	7.085	-5.4538E-04	94.47	35.43	94.47	50.07	ACTIVE	0.000	-3.000	0.000	1.000	1.000
35.43	0.000	0.000	Strato1_2_8_L_0									
17 D	7.507	-5.3778E-04	100.1	37.53	100.1	53.05	ACTIVE	0.000	-3.200	0.000	1.000	1.000
37.53	0.000	0.000	Strato1_2_8_L_0									

18 D	7.709	-5.3043E-04	102.8	38.54	102.8	54.48	ACTIVE	0.000	-3.400	0.000	1.000	1.000
38.54	0.000	0.000	Strato1_2_8_L_0									
19 D	8.113	-5.2335E-04	108.2	40.57	108.2	57.33	ACTIVE	0.000	-3.600	0.000	1.000	1.000
40.57	0.000	0.000	Strato1_2_8_L_0									
20 D	8.322	-5.1657E-04	111.0	41.61	111.0	58.81	ACTIVE	0.000	-3.800	0.000	1.000	1.000
41.61	0.000	0.000	Strato1_2_8_L_0									
21 D	8.713	-5.1013E-04	116.2	43.57	116.2	61.57	ACTIVE	0.000	-4.000	0.000	1.000	1.000
43.57	0.000	0.000	Strato1_2_8_L_0									
22 D	8.927	-5.0402E-04	119.0	44.64	119.0	63.09	ACTIVE	0.000	-4.200	0.000	1.000	1.000
44.64	0.000	0.000	Strato1_2_8_L_0									
23 D	9.325	-4.9827E-04	124.1	46.63	124.1	65.78	UL-RL	3.8431E+04	-4.400	0.000	1.000	1.000
46.63	0.000	0.000	Strato1_2_8_L_0									
24 D	9.643	-4.9289E-04	126.7	48.21	126.7	67.16	UL-RL	3.8431E+04	-4.600	0.000	1.000	1.000
48.21	0.000	0.000	Strato1_2_8_L_0									
25 D	10.21	-4.8788E-04	131.7	51.04	131.7	69.79	UL-RL	3.8431E+04	-4.800	0.000	1.000	1.000
51.04	0.000	0.000	Strato1_2_8_L_0									
26 D	10.56	-4.8324E-04	134.7	52.80	134.7	71.38	UL-RL	3.8431E+04	-5.000	0.000	1.000	1.000
52.80	0.000	0.000	Strato1_2_8_L_0									
27 D	11.11	-4.7894E-04	139.5	55.55	139.5	73.96	UL-RL	3.8431E+04	-5.200	0.000	1.000	1.000
55.55	0.000	0.000	Strato1_2_8_L_0									
28 D	11.46	-4.7500E-04	142.6	57.31	142.6	75.57	UL-RL	3.8431E+04	-5.400	0.000	1.000	1.000
57.31	0.000	0.000	Strato1_2_8_L_0									
29 D	12.00	-4.7137E-04	147.4	59.99	147.4	78.10	UL-RL	3.8431E+04	-5.600	0.000	1.000	1.000
59.99	0.000	0.000	Strato1_2_8_L_0									
30 D	12.35	-4.6805E-04	150.4	61.75	150.4	79.74	UL-RL	3.8431E+04	-5.800	0.000	1.000	1.000
61.75	0.000	0.000	Strato1_2_8_L_0									
31 D	12.85	-4.6500E-04	154.9	64.24	154.9	82.11	UL-RL	3.8431E+04	-6.000	0.000	1.000	1.000
64.24	0.000	0.000	Strato1_2_8_L_0									
32 D	13.20	-4.6220E-04	158.0	66.00	158.0	83.76	UL-RL	3.8431E+04	-6.200	0.000	1.000	1.000
66.00	0.000	0.000	Strato1_2_8_L_0									
33 D	13.71	-4.5962E-04	162.7	68.57	162.7	86.23	UL-RL	3.8431E+04	-6.400	0.000	1.000	1.000
68.57	0.000	0.000	Strato1_2_8_L_0									
34 D	14.07	-4.5722E-04	165.9	70.34	165.9	87.91	UL-RL	3.8431E+04	-6.600	0.000	1.000	1.000
70.34	0.000	0.000	Strato1_2_8_L_0									
35 D	14.57	-4.5497E-04	170.5	72.87	170.5	90.35	UL-RL	3.8431E+04	-6.800	0.000	1.000	1.000
72.87	0.000	0.000	Strato1_2_8_L_0									
36 D	14.93	-4.5283E-04	173.7	74.64	173.7	92.04	UL-RL	3.8431E+04	-7.000	0.000	1.000	1.000
74.64	0.000	0.000	Strato1_2_8_L_0									
37 D	15.43	-4.5077E-04	178.2	77.13	178.2	94.46	UL-RL	3.8431E+04	-7.200	0.000	1.000	1.000
77.13	0.000	0.000	Strato1_2_8_L_0									
38 D	15.78	-4.4874E-04	181.4	78.92	181.4	96.16	UL-RL	3.8431E+04	-7.400	0.000	1.000	1.000
78.92	0.000	0.000	Strato1_2_8_L_0									
39 D	16.26	-4.4670E-04	185.8	81.29	185.8	98.45	UL-RL	3.8431E+04	-7.600	0.000	1.000	1.000
81.29	0.000	0.000	Strato1_2_8_L_0									
40 D	16.62	-4.4462E-04	189.0	83.09	189.0	100.2	UL-RL	3.8431E+04	-7.800	0.000	1.000	1.000
83.09	0.000	0.000	Strato1_2_8_L_0									
41 D	17.11	-4.4245E-04	193.5	85.55	193.5	102.5	UL-RL	3.8431E+04	-8.000	0.000	1.000	1.000
85.55	0.000	0.000	Strato1_2_8_L_0									
42 D	17.47	-4.4015E-04	196.8	87.37	196.8	104.3	UL-RL	3.8431E+04	-8.200	0.000	1.000	1.000
87.37	0.000	0.000	Strato1_2_8_L_0									
43 D	17.96	-4.3768E-04	201.2	89.82	201.2	106.6	UL-RL	3.8431E+04	-8.400	0.000	1.000	1.000
89.82	0.000	0.000	Strato1_2_8_L_0									
44 D	18.33	-4.3501E-04	204.5	91.67	204.5	108.4	UL-RL	3.8431E+04	-8.600	0.000	1.000	1.000
91.67	0.000	0.000	Strato1_2_8_L_0									
45 D	18.82	-4.3209E-04	208.9	94.12	208.9	110.7	UL-RL	3.8431E+04	-8.800	0.000	1.000	1.000
94.12	0.000	0.000	Strato1_2_8_L_0									
46 D	19.18	-4.2889E-04	212.1	95.91	212.1	112.4	UL-RL	3.8431E+04	-9.000	0.000	1.000	1.000
95.91	0.000	0.000	Strato1_2_8_L_0									
47 D	19.67	-4.2537E-04	216.5	98.37	216.5	114.7	UL-RL	3.8431E+04	-9.200	0.000	1.000	1.000
98.37	0.000	0.000	Strato1_2_8_L_0									
48 D	20.06	-4.2151E-04	219.8	100.3	219.8	116.5	UL-RL	3.8431E+04	-9.400	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
49 D	20.55	-4.1726E-04	224.2	102.8	224.2	118.8	UL-RL	3.8431E+04	-9.600	0.000	1.000	1.000
102.8	0.000	0.000	Strato1_2_8_L_0									
50 D	20.94	-4.1260E-04	227.5	104.7	227.5	120.6	UL-RL	3.8431E+04	-9.800	0.000	1.000	1.000
104.7	0.000	0.000	Strato1_2_8_L_0									
51 D	21.44	-4.0750E-04	231.8	107.2	231.8	122.9	UL-RL	3.8431E+04	-10.00	0.000	1.000	1.000
107.2	0.000	0.000	Strato1_2_8_L_0									
52 D	21.84	-4.0195E-04	235.2	109.2	235.2	124.7	UL-RL	3.8431E+04	-10.20	0.000	1.000	1.000
109.2	0.000	0.000	Strato1_2_8_L_0									
53 D	22.35	-3.9592E-04	239.5	111.7	239.5	126.9	UL-RL	3.8431E+04	-10.40	0.000	1.000	1.000
111.7	0.000	0.000	Strato1_2_8_L_0									
54 D	22.74	-3.8941E-04	242.8	113.7	242.8	128.7	UL-RL	3.8431E+04	-10.60	0.000	1.000	1.000
113.7	0.000	0.000	Strato1_2_8_L_0									
55 D	23.25	-3.8240E-04	247.1	116.2	247.1	130.9	UL-RL	3.8431E+04	-10.80	0.000	1.000	1.000
116.2	0.000	0.000	Strato1_2_8_L_0									
56 D	23.67	-3.7490E-04	250.5	118.3	250.5	132.7	UL-RL	3.8431E+04	-11.00	0.000	1.000	1.000
118.3	0.000	0.000	Strato1_2_8_L_0									
57 D	24.18	-3.6691E-04	254.7	120.9	254.7	135.0	UL-RL	3.8431E+04	-11.20	0.000	1.000	1.000
120.9	0.000	0.000	Strato1_2_8_L_0									
58 D	24.61	-3.5844E-04	258.2	123.0	258.2	136.8	UL-RL	3.8431E+04	-11.40	0.000	1.000	1.000
123.0	0.000	0.000	Strato1_2_8_L_0									
59 D	25.13	-3.4951E-04	262.4	125.6	262.4	139.1	UL-RL	3.8431E+04	-11.60	0.000	1.000	1.000
125.6	0.000	0.000	Strato1_2_8_L_0									
60 D	25.56	-3.4015E-04	265.8	127.8	265.8	140.9	UL-RL	3.8431E+04	-11.80	0.000	1.000	1.000

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127.8       0.000       0.000     Strato1_2_8_L_0
  61 D   26.08     -3.3040E-04   270.0       130.4       270.0       143.1          UL-RL  3.8431E+04  -12.00       0.000       1.000       1.000
130.4       0.000       0.000     Strato1_2_8_L_0
  62 D   26.52     -3.2031E-04   273.4       132.6       273.4       144.9          UL-RL  3.8431E+04  -12.20       0.000       1.000       1.000
132.6       0.000       0.000     Strato1_2_8_L_0
  63 D   27.05     -3.0993E-04   277.6       135.2       277.6       147.1          UL-RL  3.8431E+04  -12.40       0.000       1.000       1.000
135.2       0.000       0.000     Strato1_2_8_L_0
  64 D   27.49     -2.9934E-04   281.1       137.5       281.1       149.0          UL-RL  3.8431E+04  -12.60       0.000       1.000       1.000
137.5       0.000       0.000     Strato1_2_8_L_0
  65 D   28.02     -2.8863E-04   285.3       140.1       285.3       151.2          UL-RL  3.8431E+04  -12.80       0.000       1.000       1.000
140.1       0.000       0.000     Strato1_2_8_L_0
  66 D   28.47     -2.7789E-04   288.7       142.4       288.7       153.0          UL-RL  3.8431E+04  -13.00       0.000       1.000       1.000
142.4       0.000       0.000     Strato1_2_8_L_0
  67 D   23.60     -2.6724E-04   293.0       118.0       293.0       146.5          UL-RL  1.0666E+05  -13.20       0.000       1.000       1.000
118.0       0.000       0.000     Strato2_3095_82743_L_0
  68 D   24.19     -2.5681E-04   296.7       121.0       296.7       148.4          UL-RL  1.0666E+05  -13.40       0.000       1.000       1.000
121.0       0.000       0.000     Strato2_3095_82743_L_0
  69 D   24.84     -2.4669E-04   301.0       124.2       301.0       150.5          UL-RL  1.0666E+05  -13.60       0.000       1.000       1.000
124.2       0.000       0.000     Strato2_3095_82743_L_0
  70 D   25.41     -2.3698E-04   304.7       127.1       304.7       152.3          UL-RL  1.0666E+05  -13.80       0.000       1.000       1.000
127.1       0.000       0.000     Strato2_3095_82743_L_0
  71 D   26.05     -2.2772E-04   309.0       130.2       309.0       154.5          UL-RL  1.0666E+05  -14.00       0.000       1.000       1.000
130.2       0.000       0.000     Strato2_3095_82743_L_0
  72 D   26.60     -2.1897E-04   312.7       133.0       312.7       156.4          UL-RL  1.0666E+05  -14.20       0.000       1.000       1.000
133.0       0.000       0.000     Strato2_3095_82743_L_0
  73 D   27.21     -2.1073E-04   317.1       136.1       317.1       158.5          UL-RL  1.0666E+05  -14.40       0.000       1.000       1.000
136.1       0.000       0.000     Strato2_3095_82743_L_0
  74 D   27.75     -2.0303E-04   320.8       138.7       320.8       160.4          UL-RL  1.0666E+05  -14.60       0.000       1.000       1.000
138.7       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.34     -1.9586E-04   325.1       141.7       325.1       162.6          UL-RL  1.0666E+05  -14.80       0.000       1.000       1.000
141.7       0.000       0.000     Strato2_3095_82743_L_0
  76 D   28.84     -1.8921E-04   328.7       144.2       328.7       164.4          UL-RL  1.0666E+05  -15.00       0.000       1.000       1.000
144.2       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.41     -1.8304E-04   333.1       147.0       333.1       166.5          UL-RL  1.0666E+05  -15.20       0.000       1.000       1.000
147.0       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.90     -1.7734E-04   336.8       149.5       336.8       168.4          UL-RL  1.0666E+05  -15.40       0.000       1.000       1.000
149.5       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.44     -1.7207E-04   341.1       152.2       341.1       170.6          UL-RL  1.0666E+05  -15.60       0.000       1.000       1.000
152.2       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.92     -1.6719E-04   344.9       154.6       344.9       172.4          UL-RL  1.0666E+05  -15.80       0.000       1.000       1.000
154.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   31.45     -1.6264E-04   349.2       157.2       349.2       174.6          UL-RL  1.0666E+05  -16.00       0.000       1.000       1.000
157.2       0.000       0.000     Strato2_3095_82743_L_0
  82 D   31.97     -1.5840E-04   353.5       159.9       353.5       176.8          UL-RL  1.0666E+05  -16.20       0.000       1.000       1.000
159.9       0.000       0.000     Strato2_3095_82743_L_0
  83 D   32.43     -1.5441E-04   357.2       162.1       357.2       178.6          UL-RL  1.0666E+05  -16.40       0.000       1.000       1.000
162.1       0.000       0.000     Strato2_3095_82743_L_0
  84 D   32.93     -1.5063E-04   361.5       164.7       361.5       180.7          UL-RL  1.0666E+05  -16.60       0.000       1.000       1.000
164.7       0.000       0.000     Strato2_3095_82743_L_0
  85 D   33.38     -1.4702E-04   365.2       166.9       365.2       182.6          UL-RL  1.0666E+05  -16.80       0.000       1.000       1.000
166.9       0.000       0.000     Strato2_3095_82743_L_0
  86 D   33.89     -1.4355E-04   369.5       169.4       369.5       184.7          UL-RL  1.0666E+05  -17.00       0.000       1.000       1.000
169.4       0.000       0.000     Strato2_3095_82743_L_0
  87 D   34.33     -1.4016E-04   373.2       171.7       373.2       186.6          UL-RL  1.0666E+05  -17.20       0.000       1.000       1.000
171.7       0.000       0.000     Strato2_3095_82743_L_0
  88 D   34.83     -1.3684E-04   377.5       174.2       377.5       188.8          UL-RL  1.0666E+05  -17.40       0.000       1.000       1.000
174.2       0.000       0.000     Strato2_3095_82743_L_0
  89 D   35.28     -1.3355E-04   381.3       176.4       381.3       190.6          UL-RL  1.0666E+05  -17.60       0.000       1.000       1.000
176.4       0.000       0.000     Strato2_3095_82743_L_0
  90 D   35.78     -1.3028E-04   385.6       178.9       385.6       192.8          UL-RL  1.0666E+05  -17.80       0.000       1.000       1.000
178.9       0.000       0.000     Strato2_3095_82743_L_0
  91 D   18.11     -1.2702E-04   389.2       181.1       389.2       194.6          UL-RL  1.0666E+05  -18.00       0.000       1.000       1.000
181.1       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                                          |
 |                                  Exe Time :29 July 2019      18:00:09                                                                     |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	6.7204E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.841	6.6342E-04	3.800	9.207	3.800	9.207	V-C	1.0842E+04	-0.2000	0.000	1.000	1.000	9.207	0.000	0.000	Strato1_2_8_L_0
3 D	2.225	6.5480E-04	7.600	11.13	7.600	11.13	V-C	1.0842E+04	-0.4000	0.000	1.000	1.000	11.13	0.000	0.000	Strato1_2_8_L_0
4 D	2.610	6.4619E-04	11.40	13.05	11.40	13.05	V-C	1.0842E+04	-0.6000	0.000	1.000	1.000	13.05	0.000	0.000	Strato1_2_8_L_0
5 D	2.994	6.3757E-04	15.20	14.97	15.20	14.97	V-C	1.0842E+04	-0.8000	0.000	1.000	1.000	14.97	0.000	0.000	Strato1_2_8_L_0
6 D	3.378	6.2895E-04	19.00	16.89	19.00	16.89	V-C	1.0842E+04	-1.000	0.000	1.000	1.000	16.89	0.000	0.000	Strato1_2_8_L_0
7 D	3.762	6.2034E-04	22.80	18.81	22.80	18.81	V-C	1.0842E+04	-1.200	0.000	1.000	1.000	18.81	0.000	0.000	Strato1_2_8_L_0
8 D	4.146	6.1173E-04	26.60	20.73	26.60	20.73	V-C	1.0842E+04	-1.400	0.000	1.000	1.000	20.73	0.000	0.000	Strato1_2_8_L_0
9 D	4.530	6.0315E-04	30.40	22.65	30.40	22.65	V-C	1.0842E+04	-1.600	0.000	1.000	1.000	22.65	0.000	0.000	Strato1_2_8_L_0
10 D	4.915	5.9460E-04	34.20	24.57	34.20	24.57	V-C	1.0842E+04	-1.800	0.000	1.000	1.000	24.57	0.000	0.000	Strato1_2_8_L_0
11 D	5.299	5.8611E-04	38.00	26.49	38.00	26.49	V-C	1.0842E+04	-2.000	0.000	1.000	1.000	26.49	0.000	0.000	Strato1_2_8_L_0
12 D	5.683	5.7770E-04	41.80	28.42	41.80	28.42	V-C	1.0842E+04	-2.200	0.000	1.000	1.000	28.42	0.000	0.000	Strato1_2_8_L_0
13 D	6.068	5.6940E-04	45.60	30.34	45.60	30.34	V-C	1.0842E+04	-2.400	0.000	1.000	1.000	30.34	0.000	0.000	Strato1_2_8_L_0
14 D	6.453	5.6122E-04	49.40	32.27	49.40	32.27	V-C	1.0842E+04	-2.600	0.000	1.000	1.000	32.27	0.000	0.000	Strato1_2_8_L_0
15 D	6.839	5.5321E-04	53.20	34.19	53.20	34.19	V-C	1.0842E+04	-2.800	0.000	1.000	1.000	34.19	0.000	0.000	Strato1_2_8_L_0
16 D	7.225	5.4538E-04	57.00	36.12	57.00	36.12	V-C	1.0842E+04	-3.000	0.000	1.000	1.000	36.12	0.000	0.000	Strato1_2_8_L_0
17 D	7.611	5.3778E-04	60.80	38.05	60.80	38.05	V-C	1.0842E+04	-3.200	0.000	1.000	1.000	38.05	0.000	0.000	Strato1_2_8_L_0
18 D	7.998	5.3043E-04	64.60	39.99	64.60	39.99	V-C	1.0842E+04	-3.400	0.000	1.000	1.000	39.99	0.000	0.000	Strato1_2_8_L_0
19 D	8.385	5.2335E-04	68.40	41.93	68.40	41.93	V-C	1.0842E+04	-3.600	0.000	1.000	1.000	41.93	0.000	0.000	Strato1_2_8_L_0
20 D	8.773	5.1657E-04	72.20	43.87	72.20	43.87	V-C	1.0842E+04	-3.800	0.000	1.000	1.000	43.87	0.000	0.000	Strato1_2_8_L_0
21 D	9.162	5.1013E-04	76.00	45.81	76.00	45.81	V-C	1.0842E+04	-4.000	0.000	1.000	1.000	45.81	0.000	0.000	Strato1_2_8_L_0
22 D	9.552	5.0402E-04	79.80	47.76	79.80	47.76	V-C	1.0842E+04	-4.200	0.000	1.000	1.000	47.76	0.000	0.000	Strato1_2_8_L_0
23 D	9.942	4.9827E-04	83.60	49.71	83.60	49.71	V-C	1.0842E+04	-4.400	0.000	1.000	1.000	49.71	0.000	0.000	Strato1_2_8_L_0
24 D	10.33	4.9289E-04	87.40	51.67	87.40	51.67	V-C	1.0842E+04	-4.600	0.000	1.000	1.000	51.67	0.000	0.000	Strato1_2_8_L_0
25 D	10.73	4.8788E-04	91.20	53.63	91.20	53.63	V-C	1.0842E+04	-4.800	0.000	1.000	1.000	53.63	0.000	0.000	Strato1_2_8_L_0
26 D	11.12	4.8324E-04	95.00	55.59	95.00	55.59	V-C	1.0842E+04	-5.000	0.000	1.000	1.000	55.59	0.000	0.000	Strato1_2_8_L_0
27 D	11.51	4.7894E-04	98.80	57.56	98.80	57.56	V-C	1.0842E+04	-5.200	0.000	1.000	1.000	57.56	0.000	0.000	Strato1_2_8_L_0
28 D	11.91	4.7500E-04	102.6	59.53	102.6	59.53	V-C	1.0842E+04	-5.400	0.000	1.000	1.000	59.53	0.000	0.000	Strato1_2_8_L_0
29 D	12.30	4.7137E-04	106.4	61.50	106.4	61.50	V-C	1.0842E+04	-5.600	0.000	1.000	1.000	61.50	0.000	0.000	Strato1_2_8_L_0
30 D	12.70	4.6805E-04	110.2	63.48	110.2	63.48	V-C	1.0842E+04	-5.800	0.000	1.000	1.000	63.48	0.000	0.000	Strato1_2_8_L_0
31 D	13.09	4.6500E-04	114.0	65.46	114.0	65.46	V-C	1.0842E+04	-6.000	0.000	1.000	1.000	65.46	0.000	0.000	Strato1_2_8_L_0
32 D	13.49	4.6220E-04	117.8	67.45	117.8	67.45	V-C	1.0842E+04	-6.200	0.000	1.000	1.000	67.45	0.000	0.000	Strato1_2_8_L_0
33 D	13.89	4.5962E-04	121.6	69.43	121.6	69.43	V-C	1.0842E+04	-6.400	0.000	1.000	1.000	69.43	0.000	0.000	Strato1_2_8_L_0
34 D	14.28	4.5722E-04	125.4	71.42	125.4	71.42	V-C	1.0842E+04	-6.600	0.000	1.000	1.000	71.42	0.000	0.000	Strato1_2_8_L_0
35 D	14.68	4.5497E-04	129.2	73.41	129.2	73.41	V-C	1.0842E+04	-6.800	0.000	1.000	1.000	73.41	0.000	0.000	Strato1_2_8_L_0
36 D	15.07	4.5283E-04	133.0	75.37	133.0	75.41	UL-RL	3.2526E+04	-7.000	0.000	1.000	1.000	75.37	0.000	0.000	Strato1_2_8_L_0
37 D	15.46	4.5077E-04	136.8	77.32	136.8	77.43	UL-RL	3.2526E+04	-7.200	0.000	1.000	1.000	77.32	0.000	0.000	Strato1_2_8_L_0
38 D	15.85	4.4874E-04	140.6	79.27	140.6	79.44	UL-RL	3.2526E+04	-7.400	0.000	1.000	1.000	79.27	0.000	0.000	Strato1_2_8_L_0
39 D	16.25	4.4670E-04	144.4	81.23	144.4	81.45	UL-RL	3.2526E+04	-7.600	0.000	1.000	1.000	81.23	0.000	0.000	Strato1_2_8_L_0
40 D	16.64	4.4462E-04	148.2	83.19	148.2	83.45	UL-RL	3.2526E+04	-7.800	0.000	1.000	1.000	83.19	0.000	0.000	Strato1_2_8_L_0

41 D	17.03	4.4245E-04	152.0	85.16	152.0	85.45	UL-RL	3.2526E+04	-8.000	0.000	1.000	1.000
85.16	0.000	0.000	Strato1_2_8_L_0									
42 D	17.43	4.4015E-04	155.8	87.14	155.8	87.45	UL-RL	3.2526E+04	-8.200	0.000	1.000	1.000
87.14	0.000	0.000	Strato1_2_8_L_0									
43 D	17.82	4.3768E-04	159.6	89.11	159.6	89.44	UL-RL	3.2526E+04	-8.400	0.000	1.000	1.000
89.11	0.000	0.000	Strato1_2_8_L_0									
44 D	18.22	4.3501E-04	163.4	91.09	163.4	91.43	UL-RL	3.2526E+04	-8.600	0.000	1.000	1.000
91.09	0.000	0.000	Strato1_2_8_L_0									
45 D	18.61	4.3209E-04	167.2	93.07	167.2	93.42	UL-RL	3.2526E+04	-8.800	0.000	1.000	1.000
93.07	0.000	0.000	Strato1_2_8_L_0									
46 D	19.01	4.2889E-04	171.0	95.05	171.0	95.40	UL-RL	3.2526E+04	-9.000	0.000	1.000	1.000
95.05	0.000	0.000	Strato1_2_8_L_0									
47 D	19.41	4.2537E-04	174.8	97.03	174.8	97.37	UL-RL	3.2526E+04	-9.200	0.000	1.000	1.000
97.03	0.000	0.000	Strato1_2_8_L_0									
48 D	19.80	4.2151E-04	178.6	99.00	178.6	99.34	UL-RL	3.2526E+04	-9.400	0.000	1.000	1.000
99.00	0.000	0.000	Strato1_2_8_L_0									
49 D	20.20	4.1726E-04	182.4	101.0	182.4	101.3	UL-RL	3.2526E+04	-9.600	0.000	1.000	1.000
101.0	0.000	0.000	Strato1_2_8_L_0									
50 D	20.59	4.1260E-04	186.2	102.9	186.2	103.3	UL-RL	3.2526E+04	-9.800	0.000	1.000	1.000
102.9	0.000	0.000	Strato1_2_8_L_0									
51 D	20.98	4.0750E-04	190.0	104.9	190.0	105.2	UL-RL	3.2526E+04	-10.00	0.000	1.000	1.000
104.9	0.000	0.000	Strato1_2_8_L_0									
52 D	21.38	4.0195E-04	193.8	106.9	193.8	107.2	UL-RL	3.2526E+04	-10.20	0.000	1.000	1.000
106.9	0.000	0.000	Strato1_2_8_L_0									
53 D	21.77	3.9592E-04	197.6	108.8	197.6	109.1	UL-RL	3.2526E+04	-10.40	0.000	1.000	1.000
108.8	0.000	0.000	Strato1_2_8_L_0									
54 D	22.16	3.8941E-04	201.4	110.8	201.4	111.0	UL-RL	3.2526E+04	-10.60	0.000	1.000	1.000
110.8	0.000	0.000	Strato1_2_8_L_0									
55 D	22.55	3.8240E-04	205.2	112.7	205.2	113.0	UL-RL	3.2526E+04	-10.80	0.000	1.000	1.000
112.7	0.000	0.000	Strato1_2_8_L_0									
56 D	22.94	3.7490E-04	209.0	114.7	209.0	114.9	UL-RL	3.2526E+04	-11.00	0.000	1.000	1.000
114.7	0.000	0.000	Strato1_2_8_L_0									
57 D	23.33	3.6691E-04	212.8	116.6	212.8	116.8	UL-RL	3.2526E+04	-11.20	0.000	1.000	1.000
116.6	0.000	0.000	Strato1_2_8_L_0									
58 D	23.71	3.5844E-04	216.6	118.6	216.6	118.7	UL-RL	3.2526E+04	-11.40	0.000	1.000	1.000
118.6	0.000	0.000	Strato1_2_8_L_0									
59 D	24.10	3.4951E-04	220.4	120.5	220.4	120.7	UL-RL	3.2526E+04	-11.60	0.000	1.000	1.000
120.5	0.000	0.000	Strato1_2_8_L_0									
60 D	24.48	3.4015E-04	224.2	122.4	224.2	122.6	UL-RL	3.2526E+04	-11.80	0.000	1.000	1.000
122.4	0.000	0.000	Strato1_2_8_L_0									
61 D	24.87	3.3040E-04	228.0	124.3	228.0	124.5	UL-RL	3.2526E+04	-12.00	0.000	1.000	1.000
124.3	0.000	0.000	Strato1_2_8_L_0									
62 D	25.25	3.2031E-04	231.8	126.2	231.8	126.4	UL-RL	3.2526E+04	-12.20	0.000	1.000	1.000
126.2	0.000	0.000	Strato1_2_8_L_0									
63 D	25.63	3.0993E-04	235.6	128.2	235.6	128.3	UL-RL	3.2526E+04	-12.40	0.000	1.000	1.000
128.2	0.000	0.000	Strato1_2_8_L_0									
64 D	26.01	2.9934E-04	239.4	130.1	239.4	130.2	UL-RL	3.2526E+04	-12.60	0.000	1.000	1.000
130.1	0.000	0.000	Strato1_2_8_L_0									
65 D	26.39	2.8863E-04	243.2	132.0	243.2	132.1	UL-RL	3.2526E+04	-12.80	0.000	1.000	1.000
132.0	0.000	0.000	Strato1_2_8_L_0									
66 D	26.78	2.7789E-04	247.0	133.9	247.0	133.9	UL-RL	3.2526E+04	-13.00	0.000	1.000	1.000
133.9	0.000	0.000	Strato1_2_8_L_0									
67 D	26.38	2.6724E-04	250.9	131.9	250.9	132.0	UL-RL	7.3249E+04	-13.20	0.000	1.000	1.000
131.9	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.73	2.5681E-04	254.9	133.6	254.9	133.8	UL-RL	7.3249E+04	-13.40	0.000	1.000	1.000
133.6	0.000	0.000	Strato2_3095_82743_L_0									
69 D	27.08	2.4669E-04	258.9	135.4	258.9	135.5	UL-RL	7.3249E+04	-13.60	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	27.44	2.3698E-04	262.9	137.2	262.9	137.3	UL-RL	7.3249E+04	-13.80	0.000	1.000	1.000
137.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.80	2.2772E-04	266.9	139.0	266.9	139.0	UL-RL	7.3249E+04	-14.00	0.000	1.000	1.000
139.0	0.000	0.000	Strato2_3095_82743_L_0									
72 D	28.15	2.1897E-04	270.9	140.8	270.9	140.8	UL-RL	7.3249E+04	-14.20	0.000	1.000	1.000
140.8	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.52	2.1073E-04	274.9	142.6	274.9	142.6	UL-RL	7.3249E+04	-14.40	0.000	1.000	1.000
142.6	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.88	2.0303E-04	278.9	144.4	278.9	144.4	UL-RL	7.3249E+04	-14.60	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	29.25	1.9586E-04	282.9	146.2	282.9	146.2	UL-RL	7.3249E+04	-14.80	0.000	1.000	1.000
146.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.61	1.8921E-04	286.9	148.1	286.9	148.1	V-C	2.4416E+04	-15.00	0.000	1.000	1.000
148.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.98	1.8304E-04	290.9	149.9	290.9	149.9	V-C	2.4416E+04	-15.20	0.000	1.000	1.000
149.9	0.000	0.000	Strato2_3095_82743_L_0									
78 D	30.36	1.7734E-04	294.9	151.8	294.9	151.8	V-C	2.4416E+04	-15.40	0.000	1.000	1.000
151.8	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.73	1.7207E-04	298.9	153.7	298.9	153.7	V-C	2.4416E+04	-15.60	0.000	1.000	1.000
153.7	0.000	0.000	Strato2_3095_82743_L_0									
80 D	31.11	1.6719E-04	302.9	155.5	302.9	155.5	V-C	2.4416E+04	-15.80	0.000	1.000	1.000
155.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	31.48	1.6264E-04	306.9	157.4	306.9	157.4	V-C	2.4416E+04	-16.00	0.000	1.000	1.000
157.4	0.000	0.000	Strato2_3095_82743_L_0									
82 D	31.86	1.5840E-04	310.9	159.3	310.9	159.3	UL-RL	7.3249E+04	-16.20	0.000	1.000	1.000
159.3	0.000	0.000	Strato2_3095_82743_L_0									
83 D	32.24	1.5441E-04	314.9	161.2	314.9	161.2	UL-RL	7.3249E+04	-16.40	0.000	1.000	1.000

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161.2       0.000       0.000     Strato2_3095_82743_L_0
  84 D   32.63      1.5063E-04   318.9       163.1       318.9       163.1          UL-RL  7.3249E+04  -16.60       0.000       1.000       1.000
163.1       0.000       0.000     Strato2_3095_82743_L_0
  85 D   33.01      1.4702E-04   322.9       165.0       322.9       165.0          UL-RL  7.3249E+04  -16.80       0.000       1.000       1.000
165.0       0.000       0.000     Strato2_3095_82743_L_0
  86 D   33.39      1.4355E-04   326.9       167.0       326.9       167.0          UL-RL  7.3249E+04  -17.00       0.000       1.000       1.000
167.0       0.000       0.000     Strato2_3095_82743_L_0
  87 D   33.77      1.4016E-04   330.9       168.9       330.9       168.9          UL-RL  7.3249E+04  -17.20       0.000       1.000       1.000
168.9       0.000       0.000     Strato2_3095_82743_L_0
  88 D   34.16      1.3684E-04   334.9       170.8       334.9       170.8          UL-RL  7.3249E+04  -17.40       0.000       1.000       1.000
170.8       0.000       0.000     Strato2_3095_82743_L_0
  89 D   34.54      1.3355E-04   338.9       172.7       338.9       172.7          UL-RL  7.3249E+04  -17.60       0.000       1.000       1.000
172.7       0.000       0.000     Strato2_3095_82743_L_0
  90 D   34.92      1.3028E-04   342.9       174.6       342.9       174.6          UL-RL  7.3249E+04  -17.80       0.000       1.000       1.000
174.6       0.000       0.000     Strato2_3095_82743_L_0
  91 D   17.65      1.2702E-04   346.9       176.5       346.9       176.6          UL-RL  7.3249E+04  -18.00       0.000       1.000       1.000
176.5       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                                |
 |                                  Exe Time :29 July 2019      18:00:09                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------
     1 0.48750    -0.48750     9.47553E-12 9.75000E-02
     2-0.42218     0.42218    -9.75000E-02 1.30633E-02
     3-0.14902     0.14902    -1.30633E-02-1.67414E-02
     4-0.13421     0.13421     1.67414E-02-4.35834E-02
     5 0.42269    -0.42269     4.35834E-02 4.09542E-02
     6 0.70912    -0.70912    -4.09542E-02 0.18278
     7  1.2982     -1.2982     -0.18278     0.44241
     8  1.6350     -1.6350     -0.44241     0.76941
     9  2.0959     -2.0959     -0.76941      1.1886
    10  2.3305     -2.3305      -1.1886      1.6547
    11  2.6951     -2.6951      -1.6547      2.1937
    12  2.8463     -2.8463      -2.1937      2.7630
    13  3.0837     -3.0837      -2.7630      3.3797
    14  3.1184     -3.1184      -3.3797      4.0034
    15  3.2088     -3.2088      -4.0034      4.6452
    16  3.0692     -3.0692      -4.6452      5.2590
    17  2.9649     -2.9649      -5.2590      5.8520
    18  2.6760     -2.6760      -5.8520      6.3872
    19  2.4041     -2.4041      -6.3872      6.8680
    20  1.9528     -1.9528      -6.8680      7.2585
    21  1.5037     -1.5037      -7.2585      7.5593
    22 0.87946    -0.87946      -7.5593      7.7352
    23 0.26269    -0.26269      -7.7352      7.7877
    24-0.42778     0.42778      -7.7877      7.7022
    25-0.94495     0.94495      -7.7022      7.5132
    26 -1.5020      1.5020      -7.5132      7.2128
    27 -1.9034      1.9034      -7.2128      6.8321
    28 -2.3464      2.3464      -6.8321      6.3628
    29 -2.6493      2.6493      -6.3628      5.8330
    30 -2.9954      2.9954      -5.8330      5.2339
    31 -3.2407      3.2407      -5.2339      4.5857
    32 -3.5295      3.5295      -4.5857      3.8798
    33 -3.7017      3.7017      -3.8798      3.1395
    34 -3.9178      3.9178      -3.1395      2.3559
    35 -4.0265      4.0265      -2.3559      1.5506
    36 -4.1725      4.1725      -1.5506     0.71612
    37 -4.2089      4.2089    -0.71612    -0.12566
    38 -4.2786      4.2786     0.12566    -0.98137
    39 -4.2669      4.2669     0.98137     -1.8348
    40 -4.2875      4.2875      1.8348     -2.6923
    41 -4.2107      4.2107      2.6923     -3.5344
    42 -4.1637      4.1637      3.5344     -4.3671
    43 -4.0220      4.0220      4.3671     -5.1715
    44 -3.9059      3.9059      5.1715     -5.9527
    45 -3.6956      3.6956      5.9527     -6.6919
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46	-3.5223	3.5223	6.6919	-7.3963
47	-3.2527	3.2527	7.3963	-8.0469
48	-2.9948	2.9948	8.0469	-8.6458
49	-2.6368	2.6368	8.6458	-9.1732
50	-2.2818	2.2818	9.1732	-9.6295
51	-1.8216	1.8216	9.6295	-9.9939
52	-1.3542	1.3542	9.9939	-10.265
53	-0.77526	0.77526	10.265	-10.420
54	-0.19327	0.19327	10.420	-10.458
55	0.50796	-0.50796	10.458	-10.357
56	1.2384	-1.2384	10.357	-10.109
57	2.0957	-2.0957	10.109	-9.6900
58	2.9932	-2.9932	9.6900	-9.0914
59	4.0249	-4.0249	9.0914	-8.2864
60	5.1069	-5.1069	8.2864	-7.2650
61	6.3165	-6.3165	7.2650	-6.0017
62	7.5852	-7.5852	6.0017	-4.4847
63	8.9997	-8.9997	4.4847	-2.6847
64	10.479	-10.479	2.6847	-0.58886
65	12.107	-12.107	0.58886	1.8325
66	13.802	-13.802	-1.8325	4.5929
67	11.028	-11.028	-4.5929	6.7985
68	8.4909	-8.4909	-6.7985	8.4966
69	6.2442	-6.2442	-8.4966	9.7455
70	4.2175	-4.2175	-9.7455	10.589
71	2.4690	-2.4690	-10.589	11.083
72	0.91660	-0.91660	-11.083	11.266
73	-0.38499	0.38499	-11.266	11.189
74	-1.5170	1.5170	-11.189	10.886
75	-2.4266	2.4266	-10.886	10.400
76	-3.2018	3.2018	-10.400	9.7600
77	-3.7806	3.7806	-9.7600	9.0039
78	-4.2391	4.2391	-9.0039	8.1561
79	-4.5255	4.5255	-8.1561	7.2510
80	-4.7123	4.7123	-7.2510	6.3085
81	-4.7472	4.7472	-6.3085	5.3591
82	-4.6387	4.6387	-5.3591	4.4313
83	-4.4532	4.4532	-4.4313	3.5407
84	-4.1462	4.1462	-3.5407	2.7114
85	-3.7715	3.7715	-2.7114	1.9571
86	-3.2749	3.2749	-1.9571	1.3021
87	-2.7158	2.7158	-1.3021	0.75893
88	-2.0397	2.0397	-0.75893	0.35098
89	-1.3032	1.3032	-0.35098	9.03493E-02
90	-0.45175	0.45175	-9.03493E-02	-9.33420E-14

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+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      18:00:09                                              |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      18:00:09                                              |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   5

Tirante2_1507                   :
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```
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM= 868.9     REMNOR=0.1209E-20 RATIO =0.1062     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.1062     RATIOR= 0.000
           MAX UN= 7.998     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.1624E-09 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM= 949.9     REMNOR=0.9435E-18 RATIO =0.1111     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.1111     RATIOR= 0.000
           MAX UN= 16.76     IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           MIN UN=-.3348E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM= 177.8     REMNOR=0.1719E-17 RATIO =0.4805E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.4805E-01 RATIOR= 0.000
           MAX UN= 7.269     IEQ=    75 NODE     38 DOF   1  Y-DISPL.F
           MIN UN=-.6313E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM= 3.689     REMNOR=0.4823E-18 RATIO =0.6922E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.6922E-02 RATIOR= 0.000
           MAX UN= 1.563     IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           MIN UN=-.5651E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM=0.6546E-02 REMNOR=0.3479E-18 RATIO =0.2916E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.2916E-03 RATIOR= 0.000
           MAX UN=0.7938E-01 IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.3550E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.7699E+05 RIMNOR= 7388.
           RENORM=0.2536E-15 REMNOR=0.6008E-18 RATIO =0.5739E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 35.78     RMMAX = 11.27
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.7699E+05 RDR   = 7388.
           RATIOT=0.5739E-10 RATIOR= 0.000
           MAX UN=0.6583E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.6431E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                 Exe Time :29 July 2019      18:00:09                                                    |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.3331199E-02  -3.0157009E-03
    2   2.2728060E-02  -3.0156893E-03
    3   2.2124926E-02  -3.0156325E-03
    4   2.1521815E-02  -3.0154489E-03
    5   2.0918763E-02  -3.0150171E-03
    6   2.0315835E-02  -3.0141903E-03
    7   1.9713125E-02  -3.0127973E-03
    8   1.9110766E-02  -3.0106478E-03
    9   1.8508930E-02  -3.0075321E-03
   10   1.7907833E-02  -3.0032253E-03
   11   1.7307736E-02  -2.9974866E-03
   12   1.6708951E-02  -2.9900594E-03
   13   1.6111843E-02  -2.9806706E-03
   14   1.5516832E-02  -2.9690321E-03
   15   1.4924400E-02  -2.9548401E-03
   16   1.4335088E-02  -2.9377761E-03
   17   1.3749503E-02  -2.9175074E-03
   18   1.3168322E-02  -2.8936876E-03
   19   1.2592289E-02  -2.8659555E-03
   20   1.2022223E-02  -2.8339629E-03
   21   1.1459007E-02  -2.7974291E-03
   22   1.0903567E-02  -2.7561691E-03
   23   1.0356860E-02  -2.7100929E-03
   24   9.8198531E-03  -2.6592064E-03
   25   9.2934942E-03  -2.6036106E-03
   26   8.7787097E-03  -2.5435035E-03
   27   8.2763740E-03  -2.4791782E-03
   28   7.7872937E-03  -2.4110235E-03
   29   7.3121929E-03  -2.3394796E-03
   30   6.8517013E-03  -2.2649790E-03
   31   6.4063709E-03  -2.1879351E-03
   32   5.9766705E-03  -2.1087429E-03
   33   5.5629918E-03  -2.0277794E-03
   34   5.1656528E-03  -1.9454046E-03
   35   4.7849031E-03  -1.8619623E-03
   36   4.4209192E-03  -1.7777799E-03
   37   4.0738195E-03  -1.6931712E-03
   38   3.7436591E-03  -1.6084361E-03
   39   3.4304344E-03  -1.5238618E-03
   40   3.1340868E-03  -1.4397243E-03
   41   2.8544994E-03  -1.3562881E-03
   42   2.5915078E-03  -1.2738085E-03
   43   2.3448958E-03  -1.1925315E-03
   44   2.1143991E-03  -1.1126949E-03
   45   1.8997075E-03  -1.0345294E-03
   46   1.7004574E-03  -9.5825616E-04
   47   1.5162590E-03  -8.8409763E-04
   48   1.3466632E-03  -8.1226564E-04
   49   1.1911844E-03  -7.4297008E-04
   50   1.0492943E-03  -6.7640021E-04
   51   9.2043228E-04  -6.1271121E-04
   52   8.0400910E-04  -5.5202374E-04
   53   6.9941606E-04  -4.9442836E-04
   54   6.0602752E-04  -4.3998658E-04
   55   5.2320874E-04  -3.8873510E-04
   56   4.5031985E-04  -3.4068802E-04
   57   3.8672034E-04  -2.9583885E-04
   58   3.3177278E-04  -2.5416268E-04
   59   2.8484661E-04  -2.1561627E-04
   60   2.4532173E-04  -1.8013799E-04
   61   2.1259206E-04  -1.4765003E-04
   62   1.8606844E-04  -1.1806114E-04
   63   1.6518117E-04  -9.1268813E-05
   64   1.4938195E-04  -6.7161010E-05
   65   1.3814578E-04  -4.5617962E-05
   66   1.3097217E-04  -2.6513849E-05
   67   1.2738634E-04  -9.7182579E-06
   68   1.2694072E-04   4.9150971E-06
   69   1.2921905E-04   1.7548512E-05
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70	1.3383778E-04	2.8346756E-05
71	1.4044640E-04	3.7474758E-05
72	1.4872722E-04	4.5095808E-05
73	1.5839441E-04	5.1369523E-05
74	1.6919510E-04	5.6451504E-05
75	1.8090545E-04	6.0490185E-05
76	1.9333106E-04	6.3627053E-05
77	2.0630503E-04	6.5995219E-05
78	2.1968616E-04	6.7718692E-05
79	2.3335717E-04	6.8912051E-05
80	2.4722262E-04	6.9679956E-05
81	2.6120708E-04	7.0116804E-05
82	2.7525286E-04	7.0306448E-05
83	2.8931815E-04	7.0323433E-05
84	3.0337497E-04	7.0231432E-05
85	3.1740765E-04	7.0082922E-05
86	3.3140782E-04	6.9919180E-05
87	3.4537632E-04	6.9770406E-05
88	3.5931826E-04	6.9655761E-05
89	3.7324144E-04	6.9583337E-05
90	3.8715422E-04	6.9550181E-05
91	4.0106320E-04	6.9542277E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:00:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.4875	-2.3331E-02	13.00	4.875	13.00	6.890	ACTIVE	0.000	0.000	0.000	1.000	1.000	4.875	0.000	0.000	Strato1_2_8_L_0
2 D	0.9317	-2.2728E-02	12.42	4.658	12.42	6.584	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	4.658	0.000	0.000	Strato1_2_8_L_0
3 D	2.499	-2.2125E-02	33.32	12.49	33.32	17.66	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	12.49	0.000	0.000	Strato1_2_8_L_0
4 D	2.624	-2.1522E-02	34.99	13.12	34.99	18.55	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	13.12	0.000	0.000	Strato1_2_8_L_0
5 D	3.551	-2.0919E-02	47.34	17.75	47.34	25.09	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	17.75	0.000	0.000	Strato1_2_8_L_0
6 D	3.664	-2.0316E-02	48.86	18.32	48.86	25.89	ACTIVE	0.000	-1.000	0.000	1.000	1.000	18.32	0.000	0.000	Strato1_2_8_L_0
7 D	4.351	-1.9713E-02	58.01	21.75	58.01	30.75	ACTIVE	0.000	-1.200	0.000	1.000	1.000	21.75	0.000	0.000	Strato1_2_8_L_0
8 D	4.483	-1.9111E-02	59.77	22.41	59.77	31.68	ACTIVE	0.000	-1.400	0.000	1.000	1.000	22.41	0.000	0.000	Strato1_2_8_L_0
9 D	4.991	-1.8509E-02	66.55	24.96	66.55	35.27	ACTIVE	0.000	-1.600	0.000	1.000	1.000	24.96	0.000	0.000	Strato1_2_8_L_0
10 D	5.149	-1.7908E-02	68.65	25.75	68.65	36.39	ACTIVE	0.000	-1.800	0.000	1.000	1.000	25.75	0.000	0.000	Strato1_2_8_L_0
11 D	5.664	-1.7308E-02	75.51	28.32	75.51	40.02	ACTIVE	0.000	-2.000	0.000	1.000	1.000	28.32	0.000	0.000	Strato1_2_8_L_0
12 D	5.835	-1.6709E-02	77.80	29.17	77.80	41.23	ACTIVE	0.000	-2.200	0.000	1.000	1.000	29.17	0.000	0.000	Strato1_2_8_L_0
13 D	6.306	-1.6112E-02	84.08	31.53	84.08	44.56	ACTIVE	0.000	-2.400	0.000	1.000	1.000	31.53	0.000	0.000	Strato1_2_8_L_0
14 D	6.488	-1.5517E-02	86.51	32.44	86.51	45.85	ACTIVE	0.000	-2.600	0.000	1.000	1.000	32.44	0.000	0.000	Strato1_2_8_L_0
15 D	6.929	-1.4924E-02	92.39	34.65	92.39	48.97	ACTIVE	0.000	-2.800	0.000	1.000	1.000	34.65	0.000	0.000	Strato1_2_8_L_0
16 D	7.085	-1.4335E-02	94.47	35.43	94.47	50.07	ACTIVE	0.000	-3.000	0.000	1.000	1.000	35.43	0.000	0.000	Strato1_2_8_L_0
17 D	7.507	-1.3750E-02	100.1	37.53	100.1	53.05	ACTIVE	0.000	-3.200	0.000	1.000	1.000	37.53	0.000	0.000	Strato1_2_8_L_0
18 D	7.709	-1.3168E-02	102.8	38.54	102.8	54.48	ACTIVE	0.000	-3.400	0.000	1.000	1.000	38.54	0.000	0.000	Strato1_2_8_L_0

19 D	8.113	-1.2592E-02	108.2	40.57	108.2	57.33	ACTIVE	0.000	-3.600	0.000	1.000	1.000
40.57	0.000	0.000	Strato1_2_8_L_0									
20 D	8.322	-1.2022E-02	111.0	41.61	111.0	58.81	ACTIVE	0.000	-3.800	0.000	1.000	1.000
41.61	0.000	0.000	Strato1_2_8_L_0									
21 D	8.713	-1.1459E-02	116.2	43.57	116.2	61.57	ACTIVE	0.000	-4.000	0.000	1.000	1.000
43.57	0.000	0.000	Strato1_2_8_L_0									
22 D	8.927	-1.0904E-02	119.0	44.64	119.0	63.09	ACTIVE	0.000	-4.200	0.000	1.000	1.000
44.64	0.000	0.000	Strato1_2_8_L_0									
23 D	9.308	-1.0357E-02	124.1	46.54	124.1	65.78	ACTIVE	0.000	-4.400	0.000	1.000	1.000
46.54	0.000	0.000	Strato1_2_8_L_0									
24 D	9.503	-9.8199E-03	126.7	47.52	126.7	67.16	ACTIVE	0.000	-4.600	0.000	1.000	1.000
47.52	0.000	0.000	Strato1_2_8_L_0									
25 D	9.876	-9.2935E-03	131.7	49.38	131.7	69.79	ACTIVE	0.000	-4.800	0.000	1.000	1.000
49.38	0.000	0.000	Strato1_2_8_L_0									
26 D	10.10	-8.7787E-03	134.7	50.50	134.7	71.38	ACTIVE	0.000	-5.000	0.000	1.000	1.000
50.50	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	-8.2764E-03	139.5	52.33	139.5	73.96	ACTIVE	0.000	-5.200	0.000	1.000	1.000
52.33	0.000	0.000	Strato1_2_8_L_0									
28 D	10.69	-7.7873E-03	142.6	53.47	142.6	75.57	ACTIVE	0.000	-5.400	0.000	1.000	1.000
53.47	0.000	0.000	Strato1_2_8_L_0									
29 D	11.05	-7.3122E-03	147.4	55.26	147.4	78.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000
55.26	0.000	0.000	Strato1_2_8_L_0									
30 D	11.28	-6.8517E-03	150.4	56.42	150.4	79.74	ACTIVE	0.000	-5.800	0.000	1.000	1.000
56.42	0.000	0.000	Strato1_2_8_L_0									
31 D	11.62	-6.4064E-03	154.9	58.09	154.9	82.11	ACTIVE	0.000	-6.000	0.000	1.000	1.000
58.09	0.000	0.000	Strato1_2_8_L_0									
32 D	11.85	-5.9767E-03	158.0	59.27	158.0	83.76	ACTIVE	0.000	-6.200	0.000	1.000	1.000
59.27	0.000	0.000	Strato1_2_8_L_0									
33 D	12.20	-5.5630E-03	162.7	61.01	162.7	86.23	ACTIVE	0.000	-6.400	0.000	1.000	1.000
61.01	0.000	0.000	Strato1_2_8_L_0									
34 D	12.44	-5.1657E-03	165.9	62.20	165.9	87.91	ACTIVE	0.000	-6.600	0.000	1.000	1.000
62.20	0.000	0.000	Strato1_2_8_L_0									
35 D	12.79	-4.7849E-03	170.5	63.93	170.5	90.35	ACTIVE	0.000	-6.800	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
36 D	13.02	-4.4209E-03	173.7	65.12	173.7	92.04	ACTIVE	0.000	-7.000	0.000	1.000	1.000
65.12	0.000	0.000	Strato1_2_8_L_0									
37 D	13.37	-4.0738E-03	178.2	66.83	178.2	94.46	ACTIVE	0.000	-7.200	0.000	1.000	1.000
66.83	0.000	0.000	Strato1_2_8_L_0									
38 D	13.61	-3.7437E-03	181.4	68.04	181.4	96.16	ACTIVE	0.000	-7.400	0.000	1.000	1.000
68.04	0.000	0.000	Strato1_2_8_L_0									
39 D	13.93	-3.4304E-03	185.8	69.66	185.8	98.45	ACTIVE	0.000	-7.600	0.000	1.000	1.000
69.66	0.000	0.000	Strato1_2_8_L_0									
40 D	14.18	-3.1341E-03	189.0	70.88	189.0	100.2	ACTIVE	0.000	-7.800	0.000	1.000	1.000
70.88	0.000	0.000	Strato1_2_8_L_0									
41 D	14.51	-2.8545E-03	193.5	72.56	193.5	102.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
72.56	0.000	0.000	Strato1_2_8_L_0									
42 D	14.76	-2.5915E-03	196.8	73.79	196.8	104.3	ACTIVE	0.000	-8.200	0.000	1.000	1.000
73.79	0.000	0.000	Strato1_2_8_L_0									
43 D	15.09	-2.3449E-03	201.2	75.45	201.2	106.6	ACTIVE	0.000	-8.400	0.000	1.000	1.000
75.45	0.000	0.000	Strato1_2_8_L_0									
44 D	15.34	-2.1144E-03	204.5	76.69	204.5	108.4	ACTIVE	0.000	-8.600	0.000	1.000	1.000
76.69	0.000	0.000	Strato1_2_8_L_0									
45 D	15.67	-1.8997E-03	208.9	78.34	208.9	110.7	ACTIVE	0.000	-8.800	0.000	1.000	1.000
78.34	0.000	0.000	Strato1_2_8_L_0									
46 D	15.91	-1.7005E-03	212.1	79.53	212.1	112.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000
79.53	0.000	0.000	Strato1_2_8_L_0									
47 D	16.23	-1.5163E-03	216.5	81.17	216.5	114.7	ACTIVE	0.000	-9.200	0.000	1.000	1.000
81.17	0.000	0.000	Strato1_2_8_L_0									
48 D	16.48	-1.3467E-03	219.8	82.42	219.8	116.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000
82.42	0.000	0.000	Strato1_2_8_L_0									
49 D	17.49	-1.1912E-03	224.2	87.47	224.2	118.8	UL-RL	1.9764E+04	-9.600	0.000	1.000	1.000
87.47	0.000	0.000	Strato1_2_8_L_0									
50 D	18.43	-1.0493E-03	227.5	92.14	227.5	120.6	UL-RL	1.9764E+04	-9.800	0.000	1.000	1.000
92.14	0.000	0.000	Strato1_2_8_L_0									
51 D	19.42	-9.2043E-04	231.8	97.08	231.8	122.9	UL-RL	1.9764E+04	-10.00	0.000	1.000	1.000
97.08	0.000	0.000	Strato1_2_8_L_0									
52 D	20.25	-8.0401E-04	235.2	101.3	235.2	124.7	UL-RL	1.9764E+04	-10.20	0.000	1.000	1.000
101.3	0.000	0.000	Strato1_2_8_L_0									
53 D	21.15	-6.9942E-04	239.5	105.7	239.5	126.9	UL-RL	1.9764E+04	-10.40	0.000	1.000	1.000
105.7	0.000	0.000	Strato1_2_8_L_0									
54 D	21.88	-6.0603E-04	242.8	109.4	242.8	128.7	UL-RL	1.9764E+04	-10.60	0.000	1.000	1.000
109.4	0.000	0.000	Strato1_2_8_L_0									
55 D	22.69	-5.2321E-04	247.1	113.5	247.1	130.9	UL-RL	1.9764E+04	-10.80	0.000	1.000	1.000
113.5	0.000	0.000	Strato1_2_8_L_0									
56 D	23.37	-4.5032E-04	250.5	116.8	250.5	132.7	UL-RL	1.9764E+04	-11.00	0.000	1.000	1.000
116.8	0.000	0.000	Strato1_2_8_L_0									
57 D	24.10	-3.8672E-04	254.7	120.5	254.7	135.0	UL-RL	1.9764E+04	-11.20	0.000	1.000	1.000
120.5	0.000	0.000	Strato1_2_8_L_0									
58 D	24.71	-3.3177E-04	258.2	123.6	258.2	136.8	UL-RL	1.9764E+04	-11.40	0.000	1.000	1.000
123.6	0.000	0.000	Strato1_2_8_L_0									
59 D	25.39	-2.8485E-04	262.4	126.9	262.4	139.1	UL-RL	1.9764E+04	-11.60	0.000	1.000	1.000
126.9	0.000	0.000	Strato1_2_8_L_0									
60 D	25.94	-2.4532E-04	265.8	129.7	265.8	140.9	UL-RL	1.9764E+04	-11.80	0.000	1.000	1.000
129.7	0.000	0.000	Strato1_2_8_L_0									
61 D	26.54	-2.1259E-04	270.0	132.7	270.0	143.1	UL-RL	1.9764E+04	-12.00	0.000	1.000	1.000

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132.7      0.000      0.000     Strato1_2_8_L_0
 62 D   27.05    -1.8607E-04  273.4       135.2       273.4       144.9            UL-RL  1.9764E+04  -12.20       0.000       1.000       1.000
135.2      0.000      0.000     Strato1_2_8_L_0
 63 D   27.62    -1.6518E-04  277.6       138.1       277.6       147.1            UL-RL  1.9764E+04  -12.40       0.000       1.000       1.000
138.1      0.000      0.000     Strato1_2_8_L_0
 64 D   28.09    -1.4938E-04  281.1       140.4       281.1       149.0            UL-RL  1.9764E+04  -12.60       0.000       1.000       1.000
140.4      0.000      0.000     Strato1_2_8_L_0
 65 D   28.62    -1.3815E-04  285.3       143.1       285.3       151.2            UL-RL  1.9764E+04  -12.80       0.000       1.000       1.000
143.1      0.000      0.000     Strato1_2_8_L_0
 66 D   29.05    -1.3097E-04  288.7       145.3       288.7       153.0            UL-RL  1.9764E+04  -13.00       0.000       1.000       1.000
145.3      0.000      0.000     Strato1_2_8_L_0
 67 D   25.14    -1.2739E-04  293.0       125.7       293.0       146.5            UL-RL  5.4852E+04  -13.20       0.000       1.000       1.000
125.7      0.000      0.000     Strato2_3095_82743_L_0
 68 D   25.62    -1.2694E-04  296.7       128.1       296.7       148.4            UL-RL  5.4852E+04  -13.40       0.000       1.000       1.000
128.1      0.000      0.000     Strato2_3095_82743_L_0
 69 D   26.13    -1.2922E-04  301.0       130.6       301.0       150.5            UL-RL  5.4852E+04  -13.60       0.000       1.000       1.000
130.6      0.000      0.000     Strato2_3095_82743_L_0
 70 D   26.54    -1.3384E-04  304.7       132.7       304.7       152.3            UL-RL  5.4852E+04  -13.80       0.000       1.000       1.000
132.7      0.000      0.000     Strato2_3095_82743_L_0
 71 D   27.00    -1.4045E-04  309.0       135.0       309.0       154.5            UL-RL  5.4852E+04  -14.00       0.000       1.000       1.000
135.0      0.000      0.000     Strato2_3095_82743_L_0
 72 D   27.37    -1.4873E-04  312.7       136.9       312.7       156.4            UL-RL  5.4852E+04  -14.20       0.000       1.000       1.000
136.9      0.000      0.000     Strato2_3095_82743_L_0
 73 D   27.79    -1.5839E-04  317.1       138.9       317.1       158.5            UL-RL  5.4852E+04  -14.40       0.000       1.000       1.000
138.9      0.000      0.000     Strato2_3095_82743_L_0
 74 D   28.12    -1.6920E-04  320.8       140.6       320.8       160.4            UL-RL  5.4852E+04  -14.60       0.000       1.000       1.000
140.6      0.000      0.000     Strato2_3095_82743_L_0
 75 D   28.50    -1.8091E-04  325.1       142.5       325.1       162.6            UL-RL  5.4852E+04  -14.80       0.000       1.000       1.000
142.5      0.000      0.000     Strato2_3095_82743_L_0
 76 D   28.79    -1.9333E-04  328.7       144.0       328.7       164.4            UL-RL  5.4852E+04  -15.00       0.000       1.000       1.000
144.0      0.000      0.000     Strato2_3095_82743_L_0
 77 D   29.15    -2.0631E-04  333.1       145.7       333.1       166.5            UL-RL  5.4852E+04  -15.20       0.000       1.000       1.000
145.7      0.000      0.000     Strato2_3095_82743_L_0
 78 D   29.43    -2.1969E-04  336.8       147.2       336.8       168.4            UL-RL  5.4852E+04  -15.40       0.000       1.000       1.000
147.2      0.000      0.000     Strato2_3095_82743_L_0
 79 D   29.77    -2.3336E-04  341.1       148.9       341.1       170.6            UL-RL  5.4852E+04  -15.60       0.000       1.000       1.000
148.9      0.000      0.000     Strato2_3095_82743_L_0
 80 D   30.04    -2.4722E-04  344.9       150.2       344.9       172.4            UL-RL  5.4852E+04  -15.80       0.000       1.000       1.000
150.2      0.000      0.000     Strato2_3095_82743_L_0
 81 D   30.37    -2.6121E-04  349.2       151.8       349.2       174.6            UL-RL  5.4852E+04  -16.00       0.000       1.000       1.000
151.8      0.000      0.000     Strato2_3095_82743_L_0
 82 D   30.69    -2.7525E-04  353.5       153.4       353.5       176.8            UL-RL  5.4852E+04  -16.20       0.000       1.000       1.000
153.4      0.000      0.000     Strato2_3095_82743_L_0
 83 D   30.95    -2.8932E-04  357.2       154.7       357.2       178.6            UL-RL  5.4852E+04  -16.40       0.000       1.000       1.000
154.7      0.000      0.000     Strato2_3095_82743_L_0
 84 D   31.26    -3.0337E-04  361.5       156.3       361.5       180.7            UL-RL  5.4852E+04  -16.60       0.000       1.000       1.000
156.3      0.000      0.000     Strato2_3095_82743_L_0
 85 D   31.51    -3.1741E-04  365.2       157.6       365.2       182.6            UL-RL  5.4852E+04  -16.80       0.000       1.000       1.000
157.6      0.000      0.000     Strato2_3095_82743_L_0
 86 D   31.83    -3.3141E-04  369.5       159.1       369.5       184.7            UL-RL  5.4852E+04  -17.00       0.000       1.000       1.000
159.1      0.000      0.000     Strato2_3095_82743_L_0
 87 D   32.08    -3.4538E-04  373.2       160.4       373.2       186.6            UL-RL  5.4852E+04  -17.20       0.000       1.000       1.000
160.4      0.000      0.000     Strato2_3095_82743_L_0
 88 D   32.39    -3.5932E-04  377.5       162.0       377.5       188.8            UL-RL  5.4852E+04  -17.40       0.000       1.000       1.000
162.0      0.000      0.000     Strato2_3095_82743_L_0
 89 D   32.65    -3.7324E-04  381.3       163.2       381.3       190.6            UL-RL  5.4852E+04  -17.60       0.000       1.000       1.000
163.2      0.000      0.000     Strato2_3095_82743_L_0
 90 D   32.96    -3.8715E-04  385.6       164.8       385.6       192.8            UL-RL  5.4852E+04  -17.80       0.000       1.000       1.000
164.8      0.000      0.000     Strato2_3095_82743_L_0
 91 D   16.60    -4.0106E-04  389.2       166.0       389.2       194.6            UL-RL  5.4852E+04  -18.00       0.000       1.000       1.000
166.0      0.000      0.000     Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                   Exe Time :29 July 2019      18:00:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.   2

0_R                                 :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    91
C U R R E N T    T I M E    I S      3.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE  STIFFNESS Z-LEVEL       PORE       E FACTOR     UFACTOR
```

Peq	Su_a	Su_p	LAYER								
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19 D	1.154	1.2592E-02	1.900	5.772	68.40	41.93	PASSIVE	0.000	-3.600	0.000	1.000	1.000
5.772	0.000	0.000	Strato1_2_8_L_0									
20 D	3.463	1.2022E-02	5.700	17.32	72.20	43.87	PASSIVE	0.000	-3.800	0.000	1.000	1.000
17.32	0.000	0.000	Strato1_2_8_L_0									
21 D	5.772	1.1459E-02	9.500	28.86	76.00	45.81	PASSIVE	0.000	-4.000	0.000	1.000	1.000
28.86	0.000	0.000	Strato1_2_8_L_0									
22 D	8.081	1.0904E-02	13.30	40.41	79.80	47.76	PASSIVE	0.000	-4.200	0.000	1.000	1.000
40.41	0.000	0.000	Strato1_2_8_L_0									
23 D	10.39	1.0357E-02	17.10	51.95	83.60	51.95	PASSIVE	0.000	-4.400	0.000	1.000	1.000
51.95	0.000	0.000	Strato1_2_8_L_0									
24 D	12.70	9.8199E-03	20.90	63.49	87.40	63.49	PASSIVE	0.000	-4.600	0.000	1.000	1.000
63.49	0.000	0.000	Strato1_2_8_L_0									
25 D	15.01	9.2935E-03	24.70	75.04	91.20	75.04	PASSIVE	0.000	-4.800	0.000	1.000	1.000
75.04	0.000	0.000	Strato1_2_8_L_0									
26 D	17.32	8.7787E-03	28.50	86.58	95.00	86.58	PASSIVE	0.000	-5.000	0.000	1.000	1.000
86.58	0.000	0.000	Strato1_2_8_L_0									
27 D	19.63	8.2764E-03	32.30	98.13	98.80	98.13	PASSIVE	0.000	-5.200	0.000	1.000	1.000
98.13	0.000	0.000	Strato1_2_8_L_0									
28 D	20.06	7.7873E-03	36.10	100.3	102.6	100.3	V-C	5576.	-5.400	0.000	1.000	1.000
100.3	0.000	0.000	Strato1_2_8_L_0									
29 D	19.93	7.3122E-03	39.90	99.65	106.4	99.65	V-C	5576.	-5.600	0.000	1.000	1.000
99.65	0.000	0.000	Strato1_2_8_L_0									
30 D	19.82	6.8517E-03	43.70	99.08	110.2	99.08	V-C	5576.	-5.800	0.000	1.000	1.000
99.08	0.000	0.000	Strato1_2_8_L_0									
31 D	19.72	6.4064E-03	47.50	98.59	114.0	98.59	V-C	5576.	-6.000	0.000	1.000	1.000
98.59	0.000	0.000	Strato1_2_8_L_0									
32 D	19.64	5.9767E-03	51.30	98.19	117.8	98.19	V-C	5576.	-6.200	0.000	1.000	1.000
98.19	0.000	0.000	Strato1_2_8_L_0									
33 D	19.58	5.5630E-03	55.10	97.89	121.6	97.89	V-C	5576.	-6.400	0.000	1.000	1.000
97.89	0.000	0.000	Strato1_2_8_L_0									
34 D	19.53	5.1657E-03	58.90	97.67	125.4	97.67	V-C	5576.	-6.600	0.000	1.000	1.000
97.67	0.000	0.000	Strato1_2_8_L_0									
35 D	19.51	4.7849E-03	62.70	97.55	129.2	97.55	V-C	5576.	-6.800	0.000	1.000	1.000
97.55	0.000	0.000	Strato1_2_8_L_0									
36 D	19.51	4.4209E-03	66.50	97.53	133.0	97.53	V-C	5576.	-7.000	0.000	1.000	1.000
97.53	0.000	0.000	Strato1_2_8_L_0									
37 D	19.52	4.0738E-03	70.30	97.59	136.8	97.59	V-C	5576.	-7.200	0.000	1.000	1.000
97.59	0.000	0.000	Strato1_2_8_L_0									
38 D	19.55	3.7437E-03	74.10	97.76	140.6	97.76	V-C	5576.	-7.400	0.000	1.000	1.000
97.76	0.000	0.000	Strato1_2_8_L_0									
39 D	19.60	3.4304E-03	77.90	98.01	144.4	98.01	V-C	5576.	-7.600	0.000	1.000	1.000
98.01	0.000	0.000	Strato1_2_8_L_0									
40 D	19.67	3.1341E-03	81.70	98.36	148.2	98.36	V-C	5576.	-7.800	0.000	1.000	1.000
98.36	0.000	0.000	Strato1_2_8_L_0									
41 D	19.76	2.8545E-03	85.50	98.81	152.0	98.81	V-C	5576.	-8.000	0.000	1.000	1.000
98.81	0.000	0.000	Strato1_2_8_L_0									

42 D	19.87	2.5915E-03	89.30	99.34	155.8	99.34	V-C	5576.	-8.200	0.000	1.000	1.000	99.34	0.000	0.000	Strato1_2_8_L_0
43 D	19.99	2.3449E-03	93.10	99.97	159.6	99.97	V-C	5576.	-8.400	0.000	1.000	1.000	99.97	0.000	0.000	Strato1_2_8_L_0
44 D	20.14	2.1144E-03	96.90	100.7	163.4	100.7	V-C	5576.	-8.600	0.000	1.000	1.000	100.7	0.000	0.000	Strato1_2_8_L_0
45 D	20.30	1.8997E-03	100.7	101.5	167.2	101.5	V-C	5576.	-8.800	0.000	1.000	1.000	101.5	0.000	0.000	Strato1_2_8_L_0
46 D	20.47	1.7005E-03	104.5	102.4	171.0	102.4	V-C	5576.	-9.000	0.000	1.000	1.000	102.4	0.000	0.000	Strato1_2_8_L_0
47 D	20.67	1.5163E-03	108.3	103.3	174.8	103.3	V-C	5576.	-9.200	0.000	1.000	1.000	103.3	0.000	0.000	Strato1_2_8_L_0
48 D	20.88	1.3467E-03	112.1	104.4	178.6	104.4	V-C	5576.	-9.400	0.000	1.000	1.000	104.4	0.000	0.000	Strato1_2_8_L_0
49 D	21.10	1.1912E-03	115.9	105.5	182.4	105.5	V-C	5576.	-9.600	0.000	1.000	1.000	105.5	0.000	0.000	Strato1_2_8_L_0
50 D	21.34	1.0493E-03	119.7	106.7	186.2	106.7	V-C	5576.	-9.800	0.000	1.000	1.000	106.7	0.000	0.000	Strato1_2_8_L_0
51 D	21.60	9.2043E-04	123.5	108.0	190.0	108.0	V-C	5576.	-10.00	0.000	1.000	1.000	108.0	0.000	0.000	Strato1_2_8_L_0
52 D	21.86	8.0401E-04	127.3	109.3	193.8	109.3	V-C	5576.	-10.20	0.000	1.000	1.000	109.3	0.000	0.000	Strato1_2_8_L_0
53 D	22.14	6.9942E-04	131.1	110.7	197.6	110.7	V-C	5576.	-10.40	0.000	1.000	1.000	110.7	0.000	0.000	Strato1_2_8_L_0
54 D	22.43	6.0603E-04	134.9	112.2	201.4	112.2	V-C	5576.	-10.60	0.000	1.000	1.000	112.2	0.000	0.000	Strato1_2_8_L_0
55 D	22.74	5.2321E-04	138.7	113.7	205.2	113.7	V-C	5576.	-10.80	0.000	1.000	1.000	113.7	0.000	0.000	Strato1_2_8_L_0
56 D	23.05	4.5032E-04	142.5	115.3	209.0	115.3	V-C	5576.	-11.00	0.000	1.000	1.000	115.3	0.000	0.000	Strato1_2_8_L_0
57 D	23.37	3.8672E-04	146.3	116.9	212.8	116.9	V-C	5576.	-11.20	0.000	1.000	1.000	116.9	0.000	0.000	Strato1_2_8_L_0
58 D	23.62	3.3177E-04	150.1	118.1	216.6	118.7	UL-RL	1.6728E+04	-11.40	0.000	1.000	1.000	118.1	0.000	0.000	Strato1_2_8_L_0
59 D	23.88	2.8485E-04	153.9	119.4	220.4	120.7	UL-RL	1.6728E+04	-11.60	0.000	1.000	1.000	119.4	0.000	0.000	Strato1_2_8_L_0
60 D	24.17	2.4532E-04	157.7	120.8	224.2	122.6	UL-RL	1.6728E+04	-11.80	0.000	1.000	1.000	120.8	0.000	0.000	Strato1_2_8_L_0
61 D	24.47	2.1259E-04	161.5	122.4	228.0	124.5	UL-RL	1.6728E+04	-12.00	0.000	1.000	1.000	122.4	0.000	0.000	Strato1_2_8_L_0
62 D	24.80	1.8607E-04	165.3	124.0	231.8	126.4	UL-RL	1.6728E+04	-12.20	0.000	1.000	1.000	124.0	0.000	0.000	Strato1_2_8_L_0
63 D	25.15	1.6518E-04	169.1	125.7	235.6	128.3	UL-RL	1.6728E+04	-12.40	0.000	1.000	1.000	125.7	0.000	0.000	Strato1_2_8_L_0
64 D	25.51	1.4938E-04	172.9	127.6	239.4	130.2	UL-RL	1.6728E+04	-12.60	0.000	1.000	1.000	127.6	0.000	0.000	Strato1_2_8_L_0
65 D	25.89	1.3815E-04	176.7	129.5	243.2	132.1	UL-RL	1.6728E+04	-12.80	0.000	1.000	1.000	129.5	0.000	0.000	Strato1_2_8_L_0
66 D	26.28	1.3097E-04	180.5	131.4	247.0	133.9	UL-RL	1.6728E+04	-13.00	0.000	1.000	1.000	131.4	0.000	0.000	Strato1_2_8_L_0
67 D	21.74	1.2739E-04	184.4	108.7	250.9	132.0	UL-RL	3.7671E+04	-13.20	0.000	1.000	1.000	108.7	0.000	0.000	Strato2_3095_82743_L_0
68 D	22.18	1.2694E-04	188.4	110.9	254.9	133.8	UL-RL	3.7671E+04	-13.40	0.000	1.000	1.000	110.9	0.000	0.000	Strato2_3095_82743_L_0
69 D	22.63	1.2922E-04	192.4	113.1	258.9	135.5	UL-RL	3.7671E+04	-13.60	0.000	1.000	1.000	113.1	0.000	0.000	Strato2_3095_82743_L_0
70 D	23.09	1.3384E-04	196.4	115.5	262.9	137.3	UL-RL	3.7671E+04	-13.80	0.000	1.000	1.000	115.5	0.000	0.000	Strato2_3095_82743_L_0
71 D	23.58	1.4045E-04	200.4	117.9	266.9	139.0	UL-RL	3.7671E+04	-14.00	0.000	1.000	1.000	117.9	0.000	0.000	Strato2_3095_82743_L_0
72 D	24.07	1.4873E-04	204.4	120.3	270.9	140.8	UL-RL	3.7671E+04	-14.20	0.000	1.000	1.000	120.3	0.000	0.000	Strato2_3095_82743_L_0
73 D	24.57	1.5839E-04	208.4	122.8	274.9	142.6	UL-RL	3.7671E+04	-14.40	0.000	1.000	1.000	122.8	0.000	0.000	Strato2_3095_82743_L_0
74 D	25.07	1.6920E-04	212.4	125.4	278.9	144.4	UL-RL	3.7671E+04	-14.60	0.000	1.000	1.000	125.4	0.000	0.000	Strato2_3095_82743_L_0
75 D	25.59	1.8091E-04	216.4	127.9	282.9	146.2	UL-RL	3.7671E+04	-14.80	0.000	1.000	1.000	127.9	0.000	0.000	Strato2_3095_82743_L_0
76 D	26.10	1.9333E-04	220.4	130.5	286.9	148.1	UL-RL	3.7671E+04	-15.00	0.000	1.000	1.000	130.5	0.000	0.000	Strato2_3095_82743_L_0
77 D	26.62	2.0631E-04	224.4	133.1	290.9	149.9	UL-RL	3.7671E+04	-15.20	0.000	1.000	1.000	133.1	0.000	0.000	Strato2_3095_82743_L_0
78 D	27.14	2.1969E-04	228.4	135.7	294.9	151.8	UL-RL	3.7671E+04	-15.40	0.000	1.000	1.000	135.7	0.000	0.000	Strato2_3095_82743_L_0
79 D	27.66	2.3336E-04	232.4	138.3	298.9	153.7	UL-RL	3.7671E+04	-15.60	0.000	1.000	1.000	138.3	0.000	0.000	Strato2_3095_82743_L_0
80 D	28.18	2.4722E-04	236.4	140.9	302.9	155.5	UL-RL	3.7671E+04	-15.80	0.000	1.000	1.000	140.9	0.000	0.000	Strato2_3095_82743_L_0
81 D	28.70	2.6121E-04	240.4	143.5	306.9	157.4	UL-RL	3.7671E+04	-16.00	0.000	1.000	1.000	143.5	0.000	0.000	Strato2_3095_82743_L_0
82 D	29.22	2.7525E-04	244.4	146.1	310.9	159.3	UL-RL	3.7671E+04	-16.20	0.000	1.000	1.000	146.1	0.000	0.000	Strato2_3095_82743_L_0
83 D	29.74	2.8932E-04	248.4	148.7	314.9	161.2	UL-RL	3.7671E+04	-16.40	0.000	1.000	1.000	148.7	0.000	0.000	Strato2_3095_82743_L_0
84 D	30.26	3.0337E-04	252.4	151.3	318.9	163.1	UL-RL	3.7671E+04	-16.60	0.000	1.000	1.000				

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151.3       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.77      3.1741E-04   256.4       153.9       322.9       165.0          UL-RL  3.7671E+04  -16.80       0.000       1.000       1.000
153.9       0.000       0.000     Strato2_3095_82743_L_0
  86 D   31.29      3.3141E-04   260.4       156.5       326.9       167.0          UL-RL  3.7671E+04  -17.00       0.000       1.000       1.000
156.5       0.000       0.000     Strato2_3095_82743_L_0
  87 D   31.81      3.4538E-04   264.4       159.0       330.9       168.9          UL-RL  3.7671E+04  -17.20       0.000       1.000       1.000
159.0       0.000       0.000     Strato2_3095_82743_L_0
  88 D   32.32      3.5932E-04   268.4       161.6       334.9       170.8          UL-RL  3.7671E+04  -17.40       0.000       1.000       1.000
161.6       0.000       0.000     Strato2_3095_82743_L_0
  89 D   32.84      3.7324E-04   272.4       164.2       338.9       172.7          UL-RL  3.7671E+04  -17.60       0.000       1.000       1.000
164.2       0.000       0.000     Strato2_3095_82743_L_0
  90 D   33.36      3.8715E-04   276.4       166.8       342.9       174.6          UL-RL  3.7671E+04  -17.80       0.000       1.000       1.000
166.8       0.000       0.000     Strato2_3095_82743_L_0
  91 D   16.94      4.0106E-04   280.4       169.4       346.9       176.6          UL-RL  3.7671E+04  -18.00       0.000       1.000       1.000
169.4       0.000       0.000     Strato2_3095_82743_L_0
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                   Exe Time :29 July 2019      18:00:09                                                        |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     3.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.48750    -0.48750     1.33779E-10 9.75000E-02
     2  1.4192     -1.4192    -9.75000E-02 0.38134
     3  3.9178     -3.9178    -0.38134      1.1649
     4  6.5423     -6.5423     -1.1649      2.4734
     5  10.093     -10.093     -2.4734      4.4919
     6  13.757     -13.757     -4.4919      7.2434
     7  18.108     -18.108     -7.2434      10.865
     8  22.591     -22.591     -10.865      15.383
     9  27.582     -27.582     -15.383      20.900
    10  32.731     -32.731     -20.900      27.446
    11  38.395     -38.395     -27.446      35.125
    12  44.230     -44.230     -35.125      43.971
    13  50.535     -50.535     -43.971      54.078
    14  57.023     -57.023     -54.078      65.483
    15  63.953     -63.953     -65.483      78.273
    16  71.038     -71.038     -78.273      92.481
    17  78.544     -78.544     -92.481      108.19
    18  86.253     -86.253     -108.19      125.44
    19  93.212     -93.212     -125.44      144.08
    20  98.071     -98.071     -144.08      163.70
    21  101.01     -101.01     -163.70      183.90
    22  101.86     -101.86     -183.90      204.27
    23  100.78     -100.78     -204.27      224.43
    24  97.580     -97.580     -224.43      243.94
    25  92.448     -92.448     -243.94      262.43
    26  85.232     -85.232     -262.43      279.48
    27  76.072     -76.072     -279.48      294.69
    28  66.705     -66.705     -294.69      308.03
    29  57.828     -57.828     -308.03      319.60
    30  49.297     -49.297     -319.60      329.46
    31  41.197     -41.197     -329.46      337.70
    32  33.412     -33.412     -337.70      344.38
    33  26.038     -26.038     -344.38      349.59
    34  18.943     -18.943     -349.59      353.38
    35  12.218     -12.218     -353.38      355.82
    36  5.7378     -5.7378     -355.82      356.97
    37-0.41436     0.41436     -356.97      356.88
    38 -6.3573      6.3573     -356.88      355.61
    39 -12.028      12.028     -355.61      353.21
    40 -17.524      17.524     -353.21      349.70
    41 -22.774      22.774     -349.70      345.15
    42 -27.885      27.885     -345.15      339.57
    43 -32.788      32.788     -339.57      333.01
    44 -37.586      37.586     -333.01      325.50
    45 -42.214      42.214     -325.50      317.05
    46 -46.783      46.783     -317.05      307.70
    47 -51.217      51.217     -307.70      297.45
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48	-55.610	55.610	-297.45	286.33
49	-59.218	59.218	-286.33	274.49
50	-62.132	62.132	-274.49	262.06
51	-64.312	64.312	-262.06	249.20
52	-65.921	65.921	-249.20	236.01
53	-66.917	66.917	-236.01	222.63
54	-67.467	67.467	-222.63	209.14
55	-67.511	67.511	-209.14	195.64
56	-67.192	67.192	-195.64	182.20
57	-66.463	66.463	-182.20	168.90
58	-65.371	65.371	-168.90	155.83
59	-63.867	63.867	-155.83	143.06
60	-62.093	62.093	-143.06	130.64
61	-60.023	60.023	-130.64	118.63
62	-57.775	57.775	-118.63	107.08
63	-55.304	55.304	-107.08	96.018
64	-52.730	52.730	-96.018	85.472
65	-50.004	50.004	-85.472	75.471
66	-47.237	47.237	-75.471	66.024
67	-43.842	43.842	-66.024	57.255
68	-40.400	40.400	-57.255	49.175
69	-36.902	36.902	-49.175	41.795
70	-33.453	33.453	-41.795	35.104
71	-30.024	30.024	-35.104	29.099
72	-26.718	26.718	-29.099	23.756
73	-23.496	23.496	-23.756	19.057
74	-20.451	20.451	-19.057	14.967
75	-17.536	17.536	-14.967	11.460
76	-14.844	14.844	-11.460	8.4910
77	-12.312	12.312	-8.4910	6.0285
78	-10.017	10.017	-6.0285	4.0250
79	-7.9039	7.9039	-4.0250	2.4442
80	-6.0410	6.0410	-2.4442	1.2360
81	-4.3719	4.3719	-1.2360	0.36164
82	-2.9009	2.9009	-0.36164	-0.21855
83	-1.6898	1.6898	0.21855	-0.55651
84	-0.69013	0.69013	0.55651	-0.69455
85	4.82036E-02	-4.82036E-02	0.69455	-0.68491
86	0.58232	-0.58232	0.68491	-0.56844
87	0.85526	-0.85526	0.56844	-0.39739
88	0.92324	-0.92324	0.39739	-0.21274
89	0.73079	-0.73079	0.21274	-6.65848E-02
90	0.33292	-0.33292	6.65848E-02	1.77316E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 3.0000

POST-TENSION 2D-BOUNDARY ELEMENT

EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:00:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 5

Tirante2_1507 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 3.0000

```
 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER      0 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.5358E+06 RIMNOR=0.6916E+07
            RENORM=0.1852E+05 REMNOR=0.6008E-18 RATIO =0.1859     TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 136.1     RMMAX = 357.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.5358E+06 RDR   =0.6916E+07
            RATIOT=0.1859     RATIOR= 0.000
            MAX UN=0.6583E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
            MIN UN=-136.1     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.5358E+06 RIMNOR=0.6916E+07
            RENORM= 38.40     REMNOR=0.4073E-18 RATIO =0.8466E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 136.1     RMMAX = 357.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.5358E+06 RDR   =0.6916E+07
            RATIOT=0.8466E-02 RATIOR= 0.000
            MAX UN=0.3376E-08 IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
            MIN UN=-2.533     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.5358E+06 RIMNOR=0.6916E+07
            RENORM= 2.048     REMNOR=0.2544E-18 RATIO =0.1955E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 136.1     RMMAX = 357.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.5358E+06 RDR   =0.6916E+07
            RATIOT=0.1955E-02 RATIOR= 0.000
            MAX UN=0.1913     IEQ=    95 NODE     48 DOF   1  Y-DISPL.F
            MIN UN=-1.138     IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.5358E+06 RIMNOR=0.6916E+07
            RENORM=0.1775E-15 REMNOR=0.4582E-18 RATIO =0.1820E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 136.1     RMMAX = 357.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.5358E+06 RDR   =0.6916E+07
            RATIOT=0.1820E-10 RATIOR= 0.000
            MAX UN=0.7498E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
            MIN UN=-.6080E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*     |
|                                                                                                             |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                              |
|                                Exe Time :29 July 2019      18:00:09                                         |
+-------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   2.1310641E-02  -2.8151046E-03
    2   2.0747624E-02  -2.8150582E-03
    3   2.0184630E-02  -2.8148290E-03
    4   1.9621719E-02  -2.8141903E-03
    5   1.9059000E-02  -2.8128670E-03
    6   1.8496639E-02  -2.8105543E-03
    7   1.7934866E-02  -2.8069189E-03
    8   1.7373983E-02  -2.8016053E-03
    9   1.6814361E-02  -2.7942362E-03
   10   1.6256452E-02  -2.7844173E-03
   11   1.5700785E-02  -2.7717369E-03
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12	1.5147976E-02	-2.7557656E-03
13	1.4598728E-02	-2.7360561E-03
14	1.4053834E-02	-2.7121448E-03
15	1.3514182E-02	-2.6835509E-03
16	1.2980759E-02	-2.6497784E-03
17	1.2454435E-02	-2.6135475E-03
18	1.1935323E-02	-2.5775644E-03
19	1.1423429E-02	-2.5412892E-03
20	1.0918864E-02	-2.5041712E-03
21	1.0421853E-02	-2.4656550E-03
22	9.9327296E-03	-2.4252226E-03
23	9.4519206E-03	-2.3824465E-03
24	8.9799307E-03	-2.3370098E-03
25	8.5173098E-03	-2.2887113E-03
26	8.0646425E-03	-2.2374689E-03
27	7.6225161E-03	-2.1833175E-03
28	7.1914993E-03	-2.1264089E-03
29	6.7721236E-03	-2.0669667E-03
30	6.3648679E-03	-2.0052266E-03
31	5.9701704E-03	-1.9414242E-03
32	5.5884201E-03	-1.8757945E-03
33	5.2199588E-03	-1.8085716E-03
34	4.8650821E-03	-1.7399889E-03
35	4.5240401E-03	-1.6702786E-03
36	4.1970322E-03	-1.5996708E-03
37	3.8842163E-03	-1.5283954E-03
38	3.5857033E-03	-1.4566807E-03
39	3.3015582E-03	-1.3847535E-03
40	3.0318023E-03	-1.3128402E-03
41	2.7764076E-03	-1.2411652E-03
42	2.5353054E-03	-1.1699526E-03
43	2.3083809E-03	-1.0994252E-03
44	2.0954748E-03	-1.0298047E-03
45	1.8963848E-03	-9.6131206E-04
46	1.7108568E-03	-8.9416488E-04
47	1.5386097E-03	-8.2858491E-04
48	1.3793041E-03	-7.6478505E-04
49	1.2325636E-03	-7.0297660E-04
50	1.0979684E-03	-6.4335473E-04
51	9.7506489E-04	-5.8608545E-04
52	8.6336800E-04	-5.3130184E-04
53	7.6237092E-04	-4.7910812E-04
54	6.7154701E-04	-4.2958057E-04
55	5.9035748E-04	-3.8277133E-04
56	5.1825525E-04	-3.3871048E-04
57	4.5468941E-04	-2.9740776E-04
58	3.9910884E-04	-2.5885462E-04
59	3.5096592E-04	-2.2302611E-04
60	3.0971943E-04	-1.8988215E-04
61	2.7483777E-04	-1.5936755E-04
62	2.4580174E-04	-1.3141300E-04
63	2.2210732E-04	-1.0593713E-04
64	2.0326777E-04	-8.2848115E-05
65	1.8881566E-04	-6.2045385E-05
66	1.7830437E-04	-4.3421236E-05
67	1.7130949E-04	-2.6862236E-05
68	1.6742972E-04	-1.2249594E-05
69	1.6628824E-04	5.4190287E-07
70	1.6753379E-04	1.1642951E-05
71	1.7084165E-04	2.1187393E-05
72	1.7591398E-04	2.9310363E-05
73	1.8247964E-04	3.6146153E-05
74	1.9029519E-04	4.1827896E-05
75	1.9914243E-04	4.6484149E-05
76	2.0882876E-04	5.0239119E-05
77	2.1918588E-04	5.3211095E-05
78	2.3006843E-04	5.5511621E-05
79	2.4135272E-04	5.7245056E-05
80	2.5293509E-04	5.8507987E-05
81	2.6473044E-04	5.9388789E-05
82	2.7667045E-04	5.9967256E-05
83	2.8870201E-04	6.0315764E-05
84	3.0078565E-04	6.0497635E-05
85	3.1289416E-04	6.0566761E-05
86	3.2500840E-04	6.0567519E-05
87	3.3711894E-04	6.0534915E-05
88	3.4922185E-04	6.0494549E-05
89	3.6131732E-04	6.0462577E-05
90	3.7340789E-04	6.0445717E-05
91	3.8549643E-04	6.0441232E-05

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                  Exe Time :29 July 2019      18:00:09                                                |
+----------------------------------------------------------------------------------------------------------------------+
New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.953     -2.1311E-02  13.00       19.53       13.00       19.53            V-C   6588.       0.000       0.000       1.000       1.000
19.53       0.000       0.000     Strato1_2_8_L_0
   2 D   3.798     -2.0748E-02  12.42       18.99       12.42       18.99            V-C   6588.      -0.2000      0.000       1.000       1.000
18.99       0.000       0.000     Strato1_2_8_L_0
   3 D   5.744     -2.0185E-02  33.32       28.72       33.32       28.72            V-C   6588.      -0.4000      0.000       1.000       1.000
28.72       0.000       0.000     Strato1_2_8_L_0
   4 D   5.851     -1.9622E-02  34.99       29.26       34.99       29.26            V-C   6588.      -0.6000      0.000       1.000       1.000
29.26       0.000       0.000     Strato1_2_8_L_0
   5 D   6.979     -1.9059E-02  47.34       34.90       47.34       34.90            V-C   6588.      -0.8000      0.000       1.000       1.000
34.90       0.000       0.000     Strato1_2_8_L_0
   6 D   7.071     -1.8497E-02  48.86       35.35       48.86       35.35            V-C   6588.      -1.000       0.000       1.000       1.000
35.35       0.000       0.000     Strato1_2_8_L_0
   7 D   7.893     -1.7935E-02  58.01       39.46       58.01       39.46            V-C   6588.      -1.200       0.000       1.000       1.000
39.46       0.000       0.000     Strato1_2_8_L_0
   8 D   8.007     -1.7374E-02  59.77       40.03       59.77       40.03            V-C   6588.      -1.400       0.000       1.000       1.000
40.03       0.000       0.000     Strato1_2_8_L_0
   9 D   8.599     -1.6814E-02  66.55       43.00       66.55       43.00            V-C   6588.      -1.600       0.000       1.000       1.000
43.00       0.000       0.000     Strato1_2_8_L_0
  10 D   8.744     -1.6256E-02  68.65       43.72       68.65       43.72            V-C   6588.      -1.800       0.000       1.000       1.000
43.72       0.000       0.000     Strato1_2_8_L_0
  11 D   9.342     -1.5701E-02  75.51       46.71       75.51       46.71            V-C   6588.      -2.000       0.000       1.000       1.000
46.71       0.000       0.000     Strato1_2_8_L_0
  12 D   9.499     -1.5148E-02  77.80       47.50       77.80       47.50            V-C   6588.      -2.200       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_2_8_L_0
  13 D   10.04     -1.4599E-02  84.08       50.18       84.08       50.18            V-C   6588.      -2.400       0.000       1.000       1.000
50.18       0.000       0.000     Strato1_2_8_L_0
  14 D   10.20     -1.4054E-02  86.51       51.02       86.51       51.02            V-C   6588.      -2.600       0.000       1.000       1.000
51.02       0.000       0.000     Strato1_2_8_L_0
  15 D   10.70     -1.3514E-02  92.39       53.48       92.39       53.48            V-C   6588.      -2.800       0.000       1.000       1.000
53.48       0.000       0.000     Strato1_2_8_L_0
  16 D   10.82     -1.2981E-02  94.47       54.11       94.47       54.11            V-C   6588.      -3.000       0.000       1.000       1.000
54.11       0.000       0.000     Strato1_2_8_L_0
  17 D   11.28     -1.2454E-02  100.1       56.41       100.1       56.41            V-C   6588.      -3.200       0.000       1.000       1.000
56.41       0.000       0.000     Strato1_2_8_L_0
  18 D   11.46     -1.1935E-02  102.8       57.29       102.8       57.29            V-C   6588.      -3.400       0.000       1.000       1.000
57.29       0.000       0.000     Strato1_2_8_L_0
  19 D   11.89     -1.1423E-02  108.2       59.45       108.2       59.45            V-C   6588.      -3.600       0.000       1.000       1.000
59.45       0.000       0.000     Strato1_2_8_L_0
  20 D   12.07     -1.0919E-02  111.0       60.35       111.0       60.35            V-C   6588.      -3.800       0.000       1.000       1.000
60.35       0.000       0.000     Strato1_2_8_L_0
  21 D   12.48     -1.0422E-02  116.2       62.40       116.2       62.40            V-C   6588.      -4.000       0.000       1.000       1.000
62.40       0.000       0.000     Strato1_2_8_L_0
  22 D   12.67     -9.9327E-03  119.0       63.33       119.0       63.33            V-C   6588.      -4.200       0.000       1.000       1.000
63.33       0.000       0.000     Strato1_2_8_L_0
  23 D   12.88     -9.4519E-03  124.1       64.42       124.1       65.78          UL-RL  1.9764E+04  -4.400       0.000       1.000       1.000
64.42       0.000       0.000     Strato1_2_8_L_0
  24 D   12.82     -8.9799E-03  126.7       64.12       126.7       67.16          UL-RL  1.9764E+04  -4.600       0.000       1.000       1.000
64.12       0.000       0.000     Strato1_2_8_L_0
  25 D   12.94     -8.5173E-03  131.7       64.72       131.7       69.79          UL-RL  1.9764E+04  -4.800       0.000       1.000       1.000
64.72       0.000       0.000     Strato1_2_8_L_0
  26 D   12.92     -8.0646E-03  134.7       64.61       134.7       71.38          UL-RL  1.9764E+04  -5.000       0.000       1.000       1.000
64.61       0.000       0.000     Strato1_2_8_L_0
  27 D   13.05     -7.6225E-03  139.5       65.25       139.5       73.96          UL-RL  1.9764E+04  -5.200       0.000       1.000       1.000
65.25       0.000       0.000     Strato1_2_8_L_0
  28 D   13.05     -7.1915E-03  142.6       65.24       142.6       75.57          UL-RL  1.9764E+04  -5.400       0.000       1.000       1.000
65.24       0.000       0.000     Strato1_2_8_L_0
  29 D   13.19     -6.7721E-03  147.4       65.94       147.4       78.10          UL-RL  1.9764E+04  -5.600       0.000       1.000       1.000
65.94       0.000       0.000     Strato1_2_8_L_0
  30 D   13.21     -6.3649E-03  150.4       66.04       150.4       79.74          UL-RL  1.9764E+04  -5.800       0.000       1.000       1.000
66.04       0.000       0.000     Strato1_2_8_L_0
  31 D   13.34     -5.9702E-03  154.9       66.71       154.9       82.11          UL-RL  1.9764E+04  -6.000       0.000       1.000       1.000
66.71       0.000       0.000     Strato1_2_8_L_0
  32 D   13.39     -5.5884E-03  158.0       66.94       158.0       83.76          UL-RL  1.9764E+04  -6.200       0.000       1.000       1.000
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66.94	0.000	0.000	Strato1_2_8_L_0									
33 D	13.56	-5.2200E-03	162.7	67.79	162.7	86.23	UL-RL	1.9764E+04	-6.400	0.000	1.000	1.000
67.79	0.000	0.000	Strato1_2_8_L_0									
34 D	13.63	-4.8651E-03	165.9	68.14	165.9	87.91	UL-RL	1.9764E+04	-6.600	0.000	1.000	1.000
68.14	0.000	0.000	Strato1_2_8_L_0									
35 D	13.82	-4.5240E-03	170.5	69.08	170.5	90.35	UL-RL	1.9764E+04	-6.800	0.000	1.000	1.000
69.08	0.000	0.000	Strato1_2_8_L_0									
36 D	13.91	-4.1970E-03	173.7	69.55	173.7	92.04	UL-RL	1.9764E+04	-7.000	0.000	1.000	1.000
69.55	0.000	0.000	Strato1_2_8_L_0									
37 D	14.12	-3.8842E-03	178.2	70.58	178.2	94.46	UL-RL	1.9764E+04	-7.200	0.000	1.000	1.000
70.58	0.000	0.000	Strato1_2_8_L_0									
38 D	14.23	-3.5857E-03	181.4	71.16	181.4	96.16	UL-RL	1.9764E+04	-7.400	0.000	1.000	1.000
71.16	0.000	0.000	Strato1_2_8_L_0									
39 D	14.44	-3.3016E-03	185.8	72.21	185.8	98.45	UL-RL	1.9764E+04	-7.600	0.000	1.000	1.000
72.21	0.000	0.000	Strato1_2_8_L_0									
40 D	14.58	-3.0318E-03	189.0	72.90	189.0	100.2	UL-RL	1.9764E+04	-7.800	0.000	1.000	1.000
72.90	0.000	0.000	Strato1_2_8_L_0									
41 D	14.82	-2.7764E-03	193.5	74.10	193.5	102.5	UL-RL	1.9764E+04	-8.000	0.000	1.000	1.000
74.10	0.000	0.000	Strato1_2_8_L_0									
42 D	14.98	-2.5353E-03	196.8	74.90	196.8	104.3	UL-RL	1.9764E+04	-8.200	0.000	1.000	1.000
74.90	0.000	0.000	Strato1_2_8_L_0									
43 D	15.24	-2.3084E-03	201.2	76.18	201.2	106.6	UL-RL	1.9764E+04	-8.400	0.000	1.000	1.000
76.18	0.000	0.000	Strato1_2_8_L_0									
44 D	15.41	-2.0955E-03	204.5	77.06	204.5	108.4	UL-RL	1.9764E+04	-8.600	0.000	1.000	1.000
77.06	0.000	0.000	Strato1_2_8_L_0									
45 D	15.68	-1.8964E-03	208.9	78.41	208.9	110.7	UL-RL	1.9764E+04	-8.800	0.000	1.000	1.000
78.41	0.000	0.000	Strato1_2_8_L_0									
46 D	15.91	-1.7109E-03	212.1	79.53	212.1	112.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000
79.53	0.000	0.000	Strato1_2_8_L_0									
47 D	16.23	-1.5386E-03	216.5	81.17	216.5	114.7	ACTIVE	0.000	-9.200	0.000	1.000	1.000
81.17	0.000	0.000	Strato1_2_8_L_0									
48 D	16.48	-1.3793E-03	219.8	82.42	219.8	116.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000
82.42	0.000	0.000	Strato1_2_8_L_0									
49 D	17.33	-1.2326E-03	224.2	86.65	224.2	118.8	UL-RL	1.9764E+04	-9.600	0.000	1.000	1.000
86.65	0.000	0.000	Strato1_2_8_L_0									
50 D	18.24	-1.0980E-03	227.5	91.18	227.5	120.6	UL-RL	1.9764E+04	-9.800	0.000	1.000	1.000
91.18	0.000	0.000	Strato1_2_8_L_0									
51 D	19.20	-9.7506E-04	231.8	96.00	231.8	122.9	UL-RL	1.9764E+04	-10.00	0.000	1.000	1.000
96.00	0.000	0.000	Strato1_2_8_L_0									
52 D	20.02	-8.6337E-04	235.2	100.1	235.2	124.7	UL-RL	1.9764E+04	-10.20	0.000	1.000	1.000
100.1	0.000	0.000	Strato1_2_8_L_0									
53 D	20.90	-7.6237E-04	239.5	104.5	239.5	126.9	UL-RL	1.9764E+04	-10.40	0.000	1.000	1.000
104.5	0.000	0.000	Strato1_2_8_L_0									
54 D	21.63	-6.7155E-04	242.8	108.1	242.8	128.7	UL-RL	1.9764E+04	-10.60	0.000	1.000	1.000
108.1	0.000	0.000	Strato1_2_8_L_0									
55 D	22.43	-5.9036E-04	247.1	112.1	247.1	130.9	UL-RL	1.9764E+04	-10.80	0.000	1.000	1.000
112.1	0.000	0.000	Strato1_2_8_L_0									
56 D	23.10	-5.1826E-04	250.5	115.5	250.5	132.7	UL-RL	1.9764E+04	-11.00	0.000	1.000	1.000
115.5	0.000	0.000	Strato1_2_8_L_0									
57 D	23.84	-4.5469E-04	254.7	119.2	254.7	135.0	UL-RL	1.9764E+04	-11.20	0.000	1.000	1.000
119.2	0.000	0.000	Strato1_2_8_L_0									
58 D	24.45	-3.9911E-04	258.2	122.2	258.2	136.8	UL-RL	1.9764E+04	-11.40	0.000	1.000	1.000
122.2	0.000	0.000	Strato1_2_8_L_0									
59 D	25.12	-3.5097E-04	262.4	125.6	262.4	139.1	UL-RL	1.9764E+04	-11.60	0.000	1.000	1.000
125.6	0.000	0.000	Strato1_2_8_L_0									
60 D	25.68	-3.0972E-04	265.8	128.4	265.8	140.9	UL-RL	1.9764E+04	-11.80	0.000	1.000	1.000
128.4	0.000	0.000	Strato1_2_8_L_0									
61 D	26.30	-2.7484E-04	270.0	131.5	270.0	143.1	UL-RL	1.9764E+04	-12.00	0.000	1.000	1.000
131.5	0.000	0.000	Strato1_2_8_L_0									
62 D	26.81	-2.4580E-04	273.4	134.1	273.4	144.9	UL-RL	1.9764E+04	-12.20	0.000	1.000	1.000
134.1	0.000	0.000	Strato1_2_8_L_0									
63 D	27.39	-2.2211E-04	277.6	137.0	277.6	147.1	UL-RL	1.9764E+04	-12.40	0.000	1.000	1.000
137.0	0.000	0.000	Strato1_2_8_L_0									
64 D	27.87	-2.0327E-04	281.1	139.4	281.1	149.0	UL-RL	1.9764E+04	-12.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato1_2_8_L_0									
65 D	28.42	-1.8882E-04	285.3	142.1	285.3	151.2	UL-RL	1.9764E+04	-12.80	0.000	1.000	1.000
142.1	0.000	0.000	Strato1_2_8_L_0									
66 D	28.86	-1.7830E-04	288.7	144.3	288.7	153.0	UL-RL	1.9764E+04	-13.00	0.000	1.000	1.000
144.3	0.000	0.000	Strato1_2_8_L_0									
67 D	24.66	-1.7131E-04	293.0	123.3	293.0	146.5	UL-RL	5.4852E+04	-13.20	0.000	1.000	1.000
123.3	0.000	0.000	Strato2_3095_82743_L_0									
68 D	25.17	-1.6743E-04	296.7	125.9	296.7	148.4	UL-RL	5.4852E+04	-13.40	0.000	1.000	1.000
125.9	0.000	0.000	Strato2_3095_82743_L_0									
69 D	25.72	-1.6629E-04	301.0	128.6	301.0	150.5	UL-RL	5.4852E+04	-13.60	0.000	1.000	1.000
128.6	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.17	-1.6753E-04	304.7	130.9	304.7	152.3	UL-RL	5.4852E+04	-13.80	0.000	1.000	1.000
130.9	0.000	0.000	Strato2_3095_82743_L_0									
71 D	26.67	-1.7084E-04	309.0	133.4	309.0	154.5	UL-RL	5.4852E+04	-14.00	0.000	1.000	1.000
133.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.07	-1.7591E-04	312.7	135.4	312.7	156.4	UL-RL	5.4852E+04	-14.20	0.000	1.000	1.000
135.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	27.52	-1.8248E-04	317.1	137.6	317.1	158.5	UL-RL	5.4852E+04	-14.40	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
74 D	27.89	-1.9030E-04	320.8	139.4	320.8	160.4	UL-RL	5.4852E+04	-14.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									

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  75 D   28.30    -1.9914E-04   325.1       141.5       325.1       162.6            UL-RL  5.4852E+04  -14.80        0.000        1.000        1.000
141.5       0.000        0.000    Strato2_3095_82743_L_0
  76 D   28.62    -2.0883E-04   328.7       143.1       328.7       164.4            UL-RL  5.4852E+04  -15.00        0.000        1.000        1.000
143.1       0.000        0.000    Strato2_3095_82743_L_0
  77 D   29.01    -2.1919E-04   333.1       145.0       333.1       166.5            UL-RL  5.4852E+04  -15.20        0.000        1.000        1.000
145.0       0.000        0.000    Strato2_3095_82743_L_0
  78 D   29.32    -2.3007E-04   336.8       146.6       336.8       168.4            UL-RL  5.4852E+04  -15.40        0.000        1.000        1.000
146.6       0.000        0.000    Strato2_3095_82743_L_0
  79 D   29.68    -2.4135E-04   341.1       148.4       341.1       170.6            UL-RL  5.4852E+04  -15.60        0.000        1.000        1.000
148.4       0.000        0.000    Strato2_3095_82743_L_0
  80 D   29.98    -2.5294E-04   344.9       149.9       344.9       172.4            UL-RL  5.4852E+04  -15.80        0.000        1.000        1.000
149.9       0.000        0.000    Strato2_3095_82743_L_0
  81 D   30.33    -2.6473E-04   349.2       151.6       349.2       174.6            UL-RL  5.4852E+04  -16.00        0.000        1.000        1.000
151.6       0.000        0.000    Strato2_3095_82743_L_0
  82 D   30.67    -2.7667E-04   353.5       153.4       353.5       176.8            UL-RL  5.4852E+04  -16.20        0.000        1.000        1.000
153.4       0.000        0.000    Strato2_3095_82743_L_0
  83 D   30.96    -2.8870E-04   357.2       154.8       357.2       178.6            UL-RL  5.4852E+04  -16.40        0.000        1.000        1.000
154.8       0.000        0.000    Strato2_3095_82743_L_0
  84 D   31.28    -3.0079E-04   361.5       156.4       361.5       180.7            UL-RL  5.4852E+04  -16.60        0.000        1.000        1.000
156.4       0.000        0.000    Strato2_3095_82743_L_0
  85 D   31.56    -3.1289E-04   365.2       157.8       365.2       182.6            UL-RL  5.4852E+04  -16.80        0.000        1.000        1.000
157.8       0.000        0.000    Strato2_3095_82743_L_0
  86 D   31.90    -3.2501E-04   369.5       159.5       369.5       184.7            UL-RL  5.4852E+04  -17.00        0.000        1.000        1.000
159.5       0.000        0.000    Strato2_3095_82743_L_0
  87 D   32.17    -3.3712E-04   373.2       160.9       373.2       186.6            UL-RL  5.4852E+04  -17.20        0.000        1.000        1.000
160.9       0.000        0.000    Strato2_3095_82743_L_0
  88 D   32.50    -3.4922E-04   377.5       162.5       377.5       188.8            UL-RL  5.4852E+04  -17.40        0.000        1.000        1.000
162.5       0.000        0.000    Strato2_3095_82743_L_0
  89 D   32.78    -3.6132E-04   381.3       163.9       381.3       190.6            UL-RL  5.4852E+04  -17.60        0.000        1.000        1.000
163.9       0.000        0.000    Strato2_3095_82743_L_0
  90 D   33.11    -3.7341E-04   385.6       165.5       385.6       192.8            UL-RL  5.4852E+04  -17.80        0.000        1.000        1.000
165.5       0.000        0.000    Strato2_3095_82743_L_0
  91 D   16.69    -3.8550E-04   389.2       166.9       389.2       194.6            UL-RL  5.4852E+04  -18.00        0.000        1.000        1.000
166.9       0.000        0.000    Strato2_3095_82743_L_0



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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*                |
 |                                                                                                                            |
 |                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
 |                                    Exe Time :29 July 2019      18:00:09                                                    |
 +----------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                             :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P            STATE   STIFFNESS Z-LEVEL      PORE        E FACTOR     UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------
   1     0.000       --          --          --          --          --          REMOVED     --         0.000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   2     0.000       --          --          --          --          --          REMOVED     --       -0.2000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   3     0.000       --          --          --          --          --          REMOVED     --       -0.4000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   4     0.000       --          --          --          --          --          REMOVED     --       -0.6000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   5     0.000       --          --          --          --          --          REMOVED     --       -0.8000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   6     0.000       --          --          --          --          --          REMOVED     --        -1.000       0.000        1.000        1.000
0.000       0.000        0.000    not available
   7     0.000       --          --          --          --          --          REMOVED     --        -1.200       0.000        1.000        1.000
0.000       0.000        0.000    not available
   8     0.000       --          --          --          --          --          REMOVED     --        -1.400       0.000        1.000        1.000
0.000       0.000        0.000    not available
   9     0.000       --          --          --          --          --          REMOVED     --        -1.600       0.000        1.000        1.000
0.000       0.000        0.000    not available
  10     0.000       --          --          --          --          --          REMOVED     --        -1.800       0.000        1.000        1.000
0.000       0.000        0.000    not available
  11     0.000       --          --          --          --          --          REMOVED     --        -2.000       0.000        1.000        1.000
0.000       0.000        0.000    not available
  12     0.000       --          --          --          --          --          REMOVED     --        -2.200       0.000        1.000        1.000
0.000       0.000        0.000    not available
```

13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000
0.000	not available												
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000
0.000	not available												
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000
0.000	not available												
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000
0.000	not available												
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000
0.000	not available												
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000
0.000	not available												
19 D	0.1425	1.1423E-02	1.900	0.7125	68.40	41.93	ACTIVE	0.000	-3.600	0.000	1.000	1.000	0.7125
0.000	0.000	Strato1_2_8_L_0											
20 D	0.4275	1.0919E-02	5.700	2.137	72.20	43.87	ACTIVE	0.000	-3.800	0.000	1.000	1.000	2.137
0.000	0.000	Strato1_2_8_L_0											
21 D	2.302	1.0422E-02	9.500	11.51	76.00	45.81	UL-RL	1.6728E+04	-4.000	0.000	1.000	1.000	11.51
0.000	0.000	Strato1_2_8_L_0											
22 D	4.833	9.9327E-03	13.30	24.17	79.80	47.76	UL-RL	1.6728E+04	-4.200	0.000	1.000	1.000	24.17
0.000	0.000	Strato1_2_8_L_0											
23 D	7.362	9.4519E-03	17.10	36.81	83.60	51.95	UL-RL	1.6728E+04	-4.400	0.000	1.000	1.000	36.81
0.000	0.000	Strato1_2_8_L_0											
24 D	9.889	8.9799E-03	20.90	49.44	87.40	63.49	UL-RL	1.6728E+04	-4.600	0.000	1.000	1.000	49.44
0.000	0.000	Strato1_2_8_L_0											
25 D	12.41	8.5173E-03	24.70	62.05	91.20	75.04	UL-RL	1.6728E+04	-4.800	0.000	1.000	1.000	62.05
0.000	0.000	Strato1_2_8_L_0											
26 D	14.93	8.0646E-03	28.50	74.64	95.00	86.58	UL-RL	1.6728E+04	-5.000	0.000	1.000	1.000	74.64
0.000	0.000	Strato1_2_8_L_0											
27 D	17.44	7.6225E-03	32.30	87.19	98.80	98.13	UL-RL	1.6728E+04	-5.200	0.000	1.000	1.000	87.19
0.000	0.000	Strato1_2_8_L_0											
28 D	18.07	7.1915E-03	36.10	90.33	102.6	100.3	UL-RL	1.6728E+04	-5.400	0.000	1.000	1.000	90.33
0.000	0.000	Strato1_2_8_L_0											
29 D	18.12	6.7721E-03	39.90	90.61	106.4	99.65	UL-RL	1.6728E+04	-5.600	0.000	1.000	1.000	90.61
0.000	0.000	Strato1_2_8_L_0											
30 D	18.19	6.3649E-03	43.70	90.93	110.2	99.08	UL-RL	1.6728E+04	-5.800	0.000	1.000	1.000	90.93
0.000	0.000	Strato1_2_8_L_0											
31 D	18.26	5.9702E-03	47.50	91.29	114.0	98.59	UL-RL	1.6728E+04	-6.000	0.000	1.000	1.000	91.29
0.000	0.000	Strato1_2_8_L_0											
32 D	18.34	5.5884E-03	51.30	91.70	117.8	98.19	UL-RL	1.6728E+04	-6.200	0.000	1.000	1.000	91.70
0.000	0.000	Strato1_2_8_L_0											
33 D	18.43	5.2200E-03	55.10	92.15	121.6	97.89	UL-RL	1.6728E+04	-6.400	0.000	1.000	1.000	92.15
0.000	0.000	Strato1_2_8_L_0											
34 D	18.53	4.8651E-03	58.90	92.65	125.4	97.67	UL-RL	1.6728E+04	-6.600	0.000	1.000	1.000	92.65
0.000	0.000	Strato1_2_8_L_0											
35 D	18.64	4.5240E-03	62.70	93.19	129.2	97.55	UL-RL	1.6728E+04	-6.800	0.000	1.000	1.000	93.19
0.000	0.000	Strato1_2_8_L_0											
36 D	18.76	4.1970E-03	66.50	93.78	133.0	97.53	UL-RL	1.6728E+04	-7.000	0.000	1.000	1.000	93.78
0.000	0.000	Strato1_2_8_L_0											
37 D	18.88	3.8842E-03	70.30	94.42	136.8	97.59	UL-RL	1.6728E+04	-7.200	0.000	1.000	1.000	94.42
0.000	0.000	Strato1_2_8_L_0											
38 D	19.02	3.5857E-03	74.10	95.11	140.6	97.76	UL-RL	1.6728E+04	-7.400	0.000	1.000	1.000	95.11
0.000	0.000	Strato1_2_8_L_0											
39 D	19.17	3.3016E-03	77.90	95.86	144.4	98.01	UL-RL	1.6728E+04	-7.600	0.000	1.000	1.000	95.86
0.000	0.000	Strato1_2_8_L_0											
40 D	19.33	3.0318E-03	81.70	96.65	148.2	98.36	UL-RL	1.6728E+04	-7.800	0.000	1.000	1.000	96.65
0.000	0.000	Strato1_2_8_L_0											
41 D	19.50	2.7764E-03	85.50	97.50	152.0	98.81	UL-RL	1.6728E+04	-8.000	0.000	1.000	1.000	97.50
0.000	0.000	Strato1_2_8_L_0											
42 D	19.68	2.5353E-03	89.30	98.40	155.8	99.34	UL-RL	1.6728E+04	-8.200	0.000	1.000	1.000	98.40
0.000	0.000	Strato1_2_8_L_0											
43 D	19.87	2.3084E-03	93.10	99.36	159.6	99.97	UL-RL	1.6728E+04	-8.400	0.000	1.000	1.000	99.36
0.000	0.000	Strato1_2_8_L_0											
44 D	20.07	2.0955E-03	96.90	100.4	163.4	100.7	UL-RL	1.6728E+04	-8.600	0.000	1.000	1.000	100.4
0.000	0.000	Strato1_2_8_L_0											
45 D	20.29	1.8964E-03	100.7	101.4	167.2	101.5	UL-RL	1.6728E+04	-8.800	0.000	1.000	1.000	101.4
0.000	0.000	Strato1_2_8_L_0											
46 D	20.49	1.7109E-03	104.5	102.4	171.0	102.4	V-C	5576.	-9.000	0.000	1.000	1.000	102.4
0.000	0.000	Strato1_2_8_L_0											
47 D	20.69	1.5386E-03	108.3	103.5	174.8	103.5	V-C	5576.	-9.200	0.000	1.000	1.000	103.5
0.000	0.000	Strato1_2_8_L_0											
48 D	20.91	1.3793E-03	112.1	104.6	178.6	104.6	V-C	5576.	-9.400	0.000	1.000	1.000	104.6
0.000	0.000	Strato1_2_8_L_0											
49 D	21.15	1.2326E-03	115.9	105.7	182.4	105.7	V-C	5576.	-9.600	0.000	1.000	1.000	105.7
0.000	0.000	Strato1_2_8_L_0											
50 D	21.40	1.0980E-03	119.7	107.0	186.2	107.0	V-C	5576.	-9.800	0.000	1.000	1.000	107.0
0.000	0.000	Strato1_2_8_L_0											
51 D	21.66	9.7506E-04	123.5	108.3	190.0	108.3	V-C	5576.	-10.00	0.000	1.000	1.000	108.3
0.000	0.000	Strato1_2_8_L_0											
52 D	21.93	8.6337E-04	127.3	109.6	193.8	109.6	V-C	5576.	-10.20	0.000	1.000	1.000	109.6
0.000	0.000	Strato1_2_8_L_0											
53 D	22.21	7.6237E-04	131.1	111.1	197.6	111.1	V-C	5576.	-10.40	0.000	1.000	1.000	111.1
0.000	0.000	Strato1_2_8_L_0											
54 D	22.51	6.7155E-04	134.9	112.5	201.4	112.5	V-C	5576.	-10.60	0.000	1.000	1.000	112.5
0.000	0.000	Strato1_2_8_L_0											
55 D	22.81	5.9036E-04	138.7	114.1	205.2	114.1	V-C	5576.	-10.80	0.000	1.000	1.000	114.1

114.1	0.000	0.000	Strato1_2_8_L_0										
56 D	23.13	5.1826E-04	142.5	115.6	209.0	115.6	V-C	5576.	-11.00	0.000	1.000	1.000	
115.6	0.000	0.000	Strato1_2_8_L_0										
57 D	23.45	4.5469E-04	146.3	117.3	212.8	117.3	V-C	5576.	-11.20	0.000	1.000	1.000	
117.3	0.000	0.000	Strato1_2_8_L_0										
58 D	23.78	3.9911E-04	150.1	118.9	216.6	118.9	V-C	5576.	-11.40	0.000	1.000	1.000	
118.9	0.000	0.000	Strato1_2_8_L_0										
59 D	24.10	3.5097E-04	153.9	120.5	220.4	120.7	UL-RL	1.6728E+04	-11.60	0.000	1.000	1.000	
120.5	0.000	0.000	Strato1_2_8_L_0										
60 D	24.38	3.0972E-04	157.7	121.9	224.2	122.6	UL-RL	1.6728E+04	-11.80	0.000	1.000	1.000	
121.9	0.000	0.000	Strato1_2_8_L_0										
61 D	24.68	2.7484E-04	161.5	123.4	228.0	124.5	UL-RL	1.6728E+04	-12.00	0.000	1.000	1.000	
123.4	0.000	0.000	Strato1_2_8_L_0										
62 D	25.00	2.4580E-04	165.3	125.0	231.8	126.4	UL-RL	1.6728E+04	-12.20	0.000	1.000	1.000	
125.0	0.000	0.000	Strato1_2_8_L_0										
63 D	25.34	2.2211E-04	169.1	126.7	235.6	128.3	UL-RL	1.6728E+04	-12.40	0.000	1.000	1.000	
126.7	0.000	0.000	Strato1_2_8_L_0										
64 D	25.69	2.0327E-04	172.9	128.5	239.4	130.2	UL-RL	1.6728E+04	-12.60	0.000	1.000	1.000	
128.5	0.000	0.000	Strato1_2_8_L_0										
65 D	26.06	1.8882E-04	176.7	130.3	243.2	132.1	UL-RL	1.6728E+04	-12.80	0.000	1.000	1.000	
130.3	0.000	0.000	Strato1_2_8_L_0										
66 D	26.44	1.7830E-04	180.5	132.2	247.0	133.9	UL-RL	1.6728E+04	-13.00	0.000	1.000	1.000	
132.2	0.000	0.000	Strato1_2_8_L_0										
67 D	22.07	1.7131E-04	184.4	110.4	250.9	132.0	UL-RL	3.7671E+04	-13.20	0.000	1.000	1.000	
110.4	0.000	0.000	Strato2_3095_82743_L_0										
68 D	22.48	1.6743E-04	188.4	112.4	254.9	133.8	UL-RL	3.7671E+04	-13.40	0.000	1.000	1.000	
112.4	0.000	0.000	Strato2_3095_82743_L_0										
69 D	22.91	1.6629E-04	192.4	114.5	258.9	135.5	UL-RL	3.7671E+04	-13.60	0.000	1.000	1.000	
114.5	0.000	0.000	Strato2_3095_82743_L_0										
70 D	23.35	1.6753E-04	196.4	116.7	262.9	137.3	UL-RL	3.7671E+04	-13.80	0.000	1.000	1.000	
116.7	0.000	0.000	Strato2_3095_82743_L_0										
71 D	23.80	1.7084E-04	200.4	119.0	266.9	139.0	UL-RL	3.7671E+04	-14.00	0.000	1.000	1.000	
119.0	0.000	0.000	Strato2_3095_82743_L_0										
72 D	24.27	1.7591E-04	204.4	121.4	270.9	140.8	UL-RL	3.7671E+04	-14.20	0.000	1.000	1.000	
121.4	0.000	0.000	Strato2_3095_82743_L_0										
73 D	24.75	1.8248E-04	208.4	123.7	274.9	142.6	UL-RL	3.7671E+04	-14.40	0.000	1.000	1.000	
123.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	25.23	1.9030E-04	212.4	126.2	278.9	144.4	UL-RL	3.7671E+04	-14.60	0.000	1.000	1.000	
126.2	0.000	0.000	Strato2_3095_82743_L_0										
75 D	25.72	1.9914E-04	216.4	128.6	282.9	146.2	UL-RL	3.7671E+04	-14.80	0.000	1.000	1.000	
128.6	0.000	0.000	Strato2_3095_82743_L_0										
76 D	26.22	2.0883E-04	220.4	131.1	286.9	148.1	UL-RL	3.7671E+04	-15.00	0.000	1.000	1.000	
131.1	0.000	0.000	Strato2_3095_82743_L_0										
77 D	26.72	2.1919E-04	224.4	133.6	290.9	149.9	UL-RL	3.7671E+04	-15.20	0.000	1.000	1.000	
133.6	0.000	0.000	Strato2_3095_82743_L_0										
78 D	27.22	2.3007E-04	228.4	136.1	294.9	151.8	UL-RL	3.7671E+04	-15.40	0.000	1.000	1.000	
136.1	0.000	0.000	Strato2_3095_82743_L_0										
79 D	27.72	2.4135E-04	232.4	138.6	298.9	153.7	UL-RL	3.7671E+04	-15.60	0.000	1.000	1.000	
138.6	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.22	2.5294E-04	236.4	141.1	302.9	155.5	UL-RL	3.7671E+04	-15.80	0.000	1.000	1.000	
141.1	0.000	0.000	Strato2_3095_82743_L_0										
81 D	28.73	2.6473E-04	240.4	143.6	306.9	157.4	UL-RL	3.7671E+04	-16.00	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
82 D	29.23	2.7667E-04	244.4	146.1	310.9	159.3	UL-RL	3.7671E+04	-16.20	0.000	1.000	1.000	
146.1	0.000	0.000	Strato2_3095_82743_L_0										
83 D	29.73	2.8870E-04	248.4	148.7	314.9	161.2	UL-RL	3.7671E+04	-16.40	0.000	1.000	1.000	
148.7	0.000	0.000	Strato2_3095_82743_L_0										
84 D	30.24	3.0079E-04	252.4	151.2	318.9	163.1	UL-RL	3.7671E+04	-16.60	0.000	1.000	1.000	
151.2	0.000	0.000	Strato2_3095_82743_L_0										
85 D	30.74	3.1289E-04	256.4	153.7	322.9	165.0	UL-RL	3.7671E+04	-16.80	0.000	1.000	1.000	
153.7	0.000	0.000	Strato2_3095_82743_L_0										
86 D	31.24	3.2501E-04	260.4	156.2	326.9	167.0	UL-RL	3.7671E+04	-17.00	0.000	1.000	1.000	
156.2	0.000	0.000	Strato2_3095_82743_L_0										
87 D	31.75	3.3712E-04	264.4	158.7	330.9	168.9	UL-RL	3.7671E+04	-17.20	0.000	1.000	1.000	
158.7	0.000	0.000	Strato2_3095_82743_L_0										
88 D	32.25	3.4922E-04	268.4	161.2	334.9	170.8	UL-RL	3.7671E+04	-17.40	0.000	1.000	1.000	
161.2	0.000	0.000	Strato2_3095_82743_L_0										
89 D	32.75	3.6132E-04	272.4	163.8	338.9	172.7	UL-RL	3.7671E+04	-17.60	0.000	1.000	1.000	
163.8	0.000	0.000	Strato2_3095_82743_L_0										
90 D	33.25	3.7341E-04	276.4	166.3	342.9	174.6	UL-RL	3.7671E+04	-17.80	0.000	1.000	1.000	
166.3	0.000	0.000	Strato2_3095_82743_L_0										
91 D	16.88	3.8550E-04	280.4	168.8	346.9	176.6	UL-RL	3.7671E+04	-18.00	0.000	1.000	1.000	
168.8	0.000	0.000	Strato2_3095_82743_L_0										

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:00:09                                                  |
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New Project
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S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T T I M E I S 4.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	1.9530	-1.9530	-1.62151E-10	0.39060
2	5.7509	-5.7509	-0.39060	1.5408
3	11.495	-11.495	-1.5408	3.8397
4	17.346	-17.346	-3.8397	7.3089
5	24.325	-24.325	-7.3089	12.174
6	31.396	-31.396	-12.174	18.453
7	39.289	-39.289	-18.453	26.311
8	47.296	-47.296	-26.311	35.770
9	55.895	-55.895	-35.770	46.949
10	64.639	-64.639	-46.949	59.877
11	73.981	-73.981	-59.877	74.673
12	83.480	-83.480	-74.673	91.369
13	93.517	-93.517	-91.369	110.07
14	103.72	-103.72	-110.07	130.82
15	114.42	-114.42	-130.82	153.70
16	-10.860	10.860	-153.70	151.53
17	0.42150	-0.42150	-151.53	151.61
18	11.879	-11.879	-151.61	153.99
19	23.626	-23.626	-153.99	158.71
20	35.267	-35.267	-158.71	165.77
21	45.446	-45.446	-165.77	174.86
22	53.279	-53.279	-174.86	185.51
23	58.802	-58.802	-185.51	197.27
24	61.736	-61.736	-197.27	209.62
25	62.269	-62.269	-209.62	222.07
26	60.264	-60.264	-222.07	234.13
27	55.877	-55.877	-234.13	245.30
28	50.858	-50.858	-245.30	255.47
29	45.923	-45.923	-255.47	264.66
30	40.944	-40.944	-264.66	272.85
31	36.029	-36.029	-272.85	280.05
32	31.077	-31.077	-280.05	286.27
33	26.206	-26.206	-286.27	291.51
34	21.305	-21.305	-291.51	295.77
35	16.484	-16.484	-295.77	299.07
36	11.638	-11.638	-299.07	301.39
37	6.8694	-6.8694	-301.39	302.77
38	2.0794	-2.0794	-302.77	303.18
39	-2.6505	2.6505	-303.18	302.65
40	-7.4006	7.4006	-302.65	301.17
41	-12.080	12.080	-301.17	298.76
42	-16.781	16.781	-298.76	295.40
43	-21.417	21.417	-295.40	291.12
44	-26.078	26.078	-291.12	285.90
45	-30.682	30.682	-285.90	279.77
46	-35.262	35.262	-279.77	272.71
47	-39.721	39.721	-272.71	264.77
48	-44.150	44.150	-264.77	255.94
49	-47.968	47.968	-255.94	246.35
50	-51.129	51.129	-246.35	236.12
51	-53.586	53.586	-236.12	225.40
52	-55.495	55.495	-225.40	214.30
53	-56.810	56.810	-214.30	202.94
54	-57.692	57.692	-202.94	191.40
55	-58.077	58.077	-191.40	179.79
56	-58.102	58.102	-179.79	168.17
57	-57.717	57.717	-168.17	156.62
58	-57.051	57.051	-156.62	145.21
59	-56.030	56.030	-145.21	134.01
60	-54.726	54.726	-134.01	123.06
61	-53.110	53.110	-123.06	112.44
62	-51.298	51.298	-112.44	102.18
63	-49.242	49.242	-102.18	92.333
64	-47.062	47.062	-92.333	82.920
65	-44.706	44.706	-82.920	73.979
66	-42.284	42.284	-73.979	65.522
67	-39.702	39.702	-65.522	57.582
68	-37.009	37.009	-57.582	50.180
69	-34.197	34.197	-50.180	43.341
70	-31.371	31.371	-43.341	37.066
71	-28.505	28.505	-37.066	31.366
72	-25.702	25.702	-31.366	26.226
73	-22.926	22.926	-26.226	21.640
74	-20.271	20.271	-21.640	17.586

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   75 -17.694      17.694     -17.586      14.048
   76 -15.288      15.288     -14.048      10.990
   77 -12.995      12.995     -10.990      8.3909
   78 -10.892      10.892     -8.3909      6.2125
   79 -8.9267      8.9267     -6.2125      4.4271
   80 -7.1695      7.1695     -4.4271      2.9932
   81 -5.5656      5.5656     -2.9932      1.8801
   82 -4.1209      4.1209     -1.8801      1.0559
   83 -2.8984      2.8984     -1.0559     0.47625
   84 -1.8507      1.8507    -0.47625     0.10608
   85 -1.0289      1.0289    -0.10608    -9.96983E-02
   86-0.37636     0.37636     9.96983E-02-0.17497
   87 4.93766E-02-4.93766E-02 0.17497    -0.16509
   88 0.30419    -0.30419     0.16509    -0.10426
   89 0.33239    -0.33239     0.10426    -3.77791E-02
   90 0.18890    -0.18890     3.77791E-02 4.74343E-14



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      18:00:09                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------
ANCHOR    1   140.90     -1.30818E-03 -1.30818E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      18:00:09                                                 |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM=0.1154E+05 REMNOR=0.4582E-18 RATIO =0.1712     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.1712     RATIOR= 0.000
           MAX UN= 20.91     IEQ=     95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.6080E-08 IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM= 2812.     REMNOR=0.1351E-17 RATIO =0.8450E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.8450E-01 RATIOR= 0.000
           MAX UN= 11.31     IEQ=     83 NODE     42 DOF   1  Y-DISPL.F
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           MIN UN=-.3777E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM= 2728.     REMNOR=0.7148E-17 RATIO =0.8323E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.8323E-01 RATIOR= 0.000
           MAX UN= 21.45     IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
           MIN UN=-3.489     IEQ=   179 NODE     90 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM= 452.0     REMNOR=0.3874E-16 RATIO =0.3388E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.3388E-01 RATIOR= 0.000
           MAX UN= 16.09     IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-1.535     IEQ=   171 NODE     86 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM= 3.771     REMNOR=0.8945E-17 RATIO =0.3095E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.3095E-02 RATIOR= 0.000
           MAX UN=0.7236     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           MIN UN=-1.018     IEQ=   171 NODE     86 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM=0.8926E-01 REMNOR=0.9380E-17 RATIO =0.4761E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.4761E-03 RATIOR= 0.000
           MAX UN=0.1609     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           MIN UN=-.2758E-07 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     7 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3938E+06 RIMNOR=0.5440E+07
           RENORM=0.1762E-02 REMNOR=0.9714E-17 RATIO =0.6689E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 136.1     RMMAX = 303.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3938E+06 RDR   =0.5440E+07
           RATIOT=0.6689E-04 RATIOR= 0.000
           MAX UN=0.3624E-01 IEQ=   141 NODE     71 DOF   1  Y-DISPL.F
           MIN UN=-.1161E-07 IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
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New Project
SOLUTION REACHED USING     7 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   6.6891941E-02  -2.4646008E-03
    2   6.6399022E-02  -2.4645892E-03
    3   6.5906109E-02  -2.4645324E-03
    4   6.5413217E-02  -2.4643489E-03
    5   6.4920386E-02  -2.4639170E-03
    6   6.4427677E-02  -2.4630902E-03
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7	6.3935187E-02	-2.4616972E-03
8	6.3443048E-02	-2.4595477E-03
9	6.2951433E-02	-2.4564320E-03
10	6.2460555E-02	-2.4521252E-03
11	6.1970678E-02	-2.4463865E-03
12	6.1482113E-02	-2.4389593E-03
13	6.0995225E-02	-2.4295705E-03
14	6.0510435E-02	-2.4179320E-03
15	6.0028222E-02	-2.4037400E-03
16	5.9549130E-02	-2.3866760E-03
17	5.9073279E-02	-2.3737127E-03
18	5.8598908E-02	-2.3718091E-03
19	5.8123842E-02	-2.3806038E-03
20	5.7645978E-02	-2.3997213E-03
21	5.7163291E-02	-2.4287714E-03
22	5.6673834E-02	-2.4673498E-03
23	5.6175744E-02	-2.5150375E-03
24	5.5667243E-02	-2.5714014E-03
25	5.5146637E-02	-2.6359955E-03
26	5.4612327E-02	-2.7083594E-03
27	5.4062807E-02	-2.7880190E-03
28	5.3496666E-02	-2.8744859E-03
29	5.2912595E-02	-2.9672574E-03
30	5.2309380E-02	-3.0658181E-03
31	5.1685917E-02	-3.1696374E-03
32	5.1041211E-02	-3.2781716E-03
33	5.0374372E-02	-3.3908633E-03
34	4.9684626E-02	-3.5071416E-03
35	4.8971319E-02	-3.6264207E-03
36	4.8233901E-02	-3.7481031E-03
37	4.7471958E-02	-3.8715753E-03
38	4.6685193E-02	-3.9962109E-03
39	4.5873439E-02	-4.1213694E-03
40	4.5036659E-02	-4.2463965E-03
41	4.4174938E-02	-4.3706260E-03
42	4.3288507E-02	-4.4933764E-03
43	4.2377732E-02	-4.6139526E-03
44	4.1443118E-02	-4.7316463E-03
45	4.0485319E-02	-4.8457343E-03
46	3.9505094E-02	-4.9554844E-03
47	3.8503440E-02	-5.0601411E-03
48	3.7481427E-02	-5.1589440E-03
49	3.6440310E-02	-5.2511160E-03
50	3.5381479E-02	-5.3358949E-03
51	3.4306491E-02	-5.4125858E-03
52	3.3217018E-02	-5.4805903E-03
53	3.2114862E-02	-5.5394051E-03
54	3.1001896E-02	-5.5886236E-03
55	2.9880073E-02	-5.6279354E-03
56	2.8751397E-02	-5.6571259E-03
57	2.7617905E-02	-5.6760768E-03
58	2.6481650E-02	-5.6847655E-03
59	2.5344678E-02	-5.6832654E-03
60	2.4209012E-02	-5.6717460E-03
61	2.3076630E-02	-5.6504725E-03
62	2.1949449E-02	-5.6198064E-03
63	2.0829303E-02	-5.5802056E-03
64	1.9717926E-02	-5.5322236E-03
65	1.8616931E-02	-5.4764886E-03
66	1.7527804E-02	-5.4136452E-03
67	1.6451905E-02	-5.3443189E-03
68	1.5390449E-02	-5.2694110E-03
69	1.4344435E-02	-5.1900857E-03
70	1.3314634E-02	-5.1074629E-03
71	1.2301598E-02	-5.0226194E-03
72	1.1305665E-02	-4.9365905E-03
73	1.0327023E-02	-4.8503744E-03
74	9.3655143E-03	-4.7649157E-03
75	8.4209450E-03	-4.6811310E-03
76	7.4928921E-03	-4.5998934E-03
77	6.5807622E-03	-4.5220376E-03
78	5.6837985E-03	-4.4483606E-03
79	4.8010887E-03	-4.3796224E-03
80	3.9315720E-03	-4.3165469E-03
81	3.0740465E-03	-4.2598223E-03
82	2.2271789E-03	-4.2100602E-03
83	1.3895311E-03	-4.1676674E-03
84	5.5961277E-04	-4.1327623E-03
85	-2.6410291E-04	-4.1051772E-03
86	-1.0829576E-03	-4.0844662E-03
87	-1.8983013E-03	-4.0699344E-03
88	-2.7112844E-03	-4.0606974E-03
89	-3.5228625E-03	-4.0556944E-03
90	-4.3337620E-03	-4.0536895E-03

91 -5.1444441E-03 -4.0532711E-03

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514
Exe Time :29 July 2019 18:00:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.4875	-6.6892E-02	13.00	4.875	13.00	19.53	ACTIVE	0.000	0.000	0.000	1.000	1.000	4.875	0.000	0.000	Strato1_2_8_L_0
2 D	0.9317	-6.6399E-02	12.42	4.658	12.42	18.99	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	4.658	0.000	0.000	Strato1_2_8_L_0
3 D	2.499	-6.5906E-02	33.32	12.49	33.32	28.72	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	12.49	0.000	0.000	Strato1_2_8_L_0
4 D	2.624	-6.5413E-02	34.99	13.12	34.99	29.26	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	13.12	0.000	0.000	Strato1_2_8_L_0
5 D	3.551	-6.4920E-02	47.34	17.75	47.34	34.90	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	17.75	0.000	0.000	Strato1_2_8_L_0
6 D	3.664	-6.4428E-02	48.86	18.32	48.86	35.35	ACTIVE	0.000	-1.000	0.000	1.000	1.000	18.32	0.000	0.000	Strato1_2_8_L_0
7 D	4.351	-6.3935E-02	58.01	21.75	58.01	39.46	ACTIVE	0.000	-1.200	0.000	1.000	1.000	21.75	0.000	0.000	Strato1_2_8_L_0
8 D	4.483	-6.3443E-02	59.77	22.41	59.77	40.03	ACTIVE	0.000	-1.400	0.000	1.000	1.000	22.41	0.000	0.000	Strato1_2_8_L_0
9 D	4.991	-6.2951E-02	66.55	24.96	66.55	43.00	ACTIVE	0.000	-1.600	0.000	1.000	1.000	24.96	0.000	0.000	Strato1_2_8_L_0
10 D	5.149	-6.2461E-02	68.65	25.75	68.65	43.72	ACTIVE	0.000	-1.800	0.000	1.000	1.000	25.75	0.000	0.000	Strato1_2_8_L_0
11 D	5.664	-6.1971E-02	75.51	28.32	75.51	46.71	ACTIVE	0.000	-2.000	0.000	1.000	1.000	28.32	0.000	0.000	Strato1_2_8_L_0
12 D	5.835	-6.1482E-02	77.80	29.17	77.80	47.50	ACTIVE	0.000	-2.200	0.000	1.000	1.000	29.17	0.000	0.000	Strato1_2_8_L_0
13 D	6.306	-6.0995E-02	84.08	31.53	84.08	50.18	ACTIVE	0.000	-2.400	0.000	1.000	1.000	31.53	0.000	0.000	Strato1_2_8_L_0
14 D	6.488	-6.0510E-02	86.51	32.44	86.51	51.02	ACTIVE	0.000	-2.600	0.000	1.000	1.000	32.44	0.000	0.000	Strato1_2_8_L_0
15 D	6.929	-6.0028E-02	92.39	34.65	92.39	53.48	ACTIVE	0.000	-2.800	0.000	1.000	1.000	34.65	0.000	0.000	Strato1_2_8_L_0
16 D	7.085	-5.9549E-02	94.47	35.43	94.47	54.11	ACTIVE	0.000	-3.000	0.000	1.000	1.000	35.43	0.000	0.000	Strato1_2_8_L_0
17 D	7.507	-5.9073E-02	100.1	37.53	100.1	56.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000	37.53	0.000	0.000	Strato1_2_8_L_0
18 D	7.709	-5.8599E-02	102.8	38.54	102.8	57.29	ACTIVE	0.000	-3.400	0.000	1.000	1.000	38.54	0.000	0.000	Strato1_2_8_L_0
19 D	8.113	-5.8124E-02	108.2	40.57	108.2	59.45	ACTIVE	0.000	-3.600	0.000	1.000	1.000	40.57	0.000	0.000	Strato1_2_8_L_0
20 D	8.322	-5.7646E-02	111.0	41.61	111.0	60.35	ACTIVE	0.000	-3.800	0.000	1.000	1.000	41.61	0.000	0.000	Strato1_2_8_L_0
21 D	8.713	-5.7163E-02	116.2	43.57	116.2	62.40	ACTIVE	0.000	-4.000	0.000	1.000	1.000	43.57	0.000	0.000	Strato1_2_8_L_0
22 D	8.927	-5.6674E-02	119.0	44.64	119.0	63.33	ACTIVE	0.000	-4.200	0.000	1.000	1.000	44.64	0.000	0.000	Strato1_2_8_L_0
23 D	9.308	-5.6176E-02	124.1	46.54	124.1	65.78	ACTIVE	0.000	-4.400	0.000	1.000	1.000	46.54	0.000	0.000	Strato1_2_8_L_0
24 D	9.503	-5.5667E-02	126.7	47.52	126.7	67.16	ACTIVE	0.000	-4.600	0.000	1.000	1.000	47.52	0.000	0.000	Strato1_2_8_L_0
25 D	9.876	-5.5147E-02	131.7	49.38	131.7	69.79	ACTIVE	0.000	-4.800	0.000	1.000	1.000	49.38	0.000	0.000	Strato1_2_8_L_0
26 D	10.10	-5.4612E-02	134.7	50.50	134.7	71.38	ACTIVE	0.000	-5.000	0.000	1.000	1.000	50.50	0.000	0.000	Strato1_2_8_L_0
27 D	10.47	-5.4063E-02	139.5	52.33	139.5	73.96	ACTIVE	0.000	-5.200	0.000	1.000	1.000	52.33	0.000	0.000	Strato1_2_8_L_0
28 D	10.69	-5.3497E-02	142.6	53.47	142.6	75.57	ACTIVE	0.000	-5.400	0.000	1.000	1.000	53.47	0.000	0.000	Strato1_2_8_L_0
29 D	11.05	-5.2913E-02	147.4	55.26	147.4	78.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000				

55.26	0.000	0.000	Strato1_2_8_L_0									
30 D	11.28	-5.2309E-02	150.4	56.42	150.4	79.74	ACTIVE	0.000	-5.800	0.000	1.000	1.000
56.42	0.000	0.000	Strato1_2_8_L_0									
31 D	11.62	-5.1686E-02	154.9	58.09	154.9	82.11	ACTIVE	0.000	-6.000	0.000	1.000	1.000
58.09	0.000	0.000	Strato1_2_8_L_0									
32 D	11.85	-5.1041E-02	158.0	59.27	158.0	83.76	ACTIVE	0.000	-6.200	0.000	1.000	1.000
59.27	0.000	0.000	Strato1_2_8_L_0									
33 D	12.20	-5.0374E-02	162.7	61.01	162.7	86.23	ACTIVE	0.000	-6.400	0.000	1.000	1.000
61.01	0.000	0.000	Strato1_2_8_L_0									
34 D	12.44	-4.9685E-02	165.9	62.20	165.9	87.91	ACTIVE	0.000	-6.600	0.000	1.000	1.000
62.20	0.000	0.000	Strato1_2_8_L_0									
35 D	12.79	-4.8971E-02	170.5	63.93	170.5	90.35	ACTIVE	0.000	-6.800	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
36 D	13.02	-4.8234E-02	173.7	65.12	173.7	92.04	ACTIVE	0.000	-7.000	0.000	1.000	1.000
65.12	0.000	0.000	Strato1_2_8_L_0									
37 D	13.37	-4.7472E-02	178.2	66.83	178.2	94.46	ACTIVE	0.000	-7.200	0.000	1.000	1.000
66.83	0.000	0.000	Strato1_2_8_L_0									
38 D	13.61	-4.6685E-02	181.4	68.04	181.4	96.16	ACTIVE	0.000	-7.400	0.000	1.000	1.000
68.04	0.000	0.000	Strato1_2_8_L_0									
39 D	13.93	-4.5873E-02	185.8	69.66	185.8	98.45	ACTIVE	0.000	-7.600	0.000	1.000	1.000
69.66	0.000	0.000	Strato1_2_8_L_0									
40 D	14.18	-4.5037E-02	189.0	70.88	189.0	100.2	ACTIVE	0.000	-7.800	0.000	1.000	1.000
70.88	0.000	0.000	Strato1_2_8_L_0									
41 D	14.51	-4.4175E-02	193.5	72.56	193.5	102.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000
72.56	0.000	0.000	Strato1_2_8_L_0									
42 D	14.76	-4.3289E-02	196.8	73.79	196.8	104.3	ACTIVE	0.000	-8.200	0.000	1.000	1.000
73.79	0.000	0.000	Strato1_2_8_L_0									
43 D	15.09	-4.2378E-02	201.2	75.45	201.2	106.6	ACTIVE	0.000	-8.400	0.000	1.000	1.000
75.45	0.000	0.000	Strato1_2_8_L_0									
44 D	15.34	-4.1443E-02	204.5	76.69	204.5	108.4	ACTIVE	0.000	-8.600	0.000	1.000	1.000
76.69	0.000	0.000	Strato1_2_8_L_0									
45 D	15.67	-4.0485E-02	208.9	78.34	208.9	110.7	ACTIVE	0.000	-8.800	0.000	1.000	1.000
78.34	0.000	0.000	Strato1_2_8_L_0									
46 D	15.91	-3.9505E-02	212.1	79.53	212.1	112.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000
79.53	0.000	0.000	Strato1_2_8_L_0									
47 D	16.23	-3.8503E-02	216.5	81.17	216.5	114.7	ACTIVE	0.000	-9.200	0.000	1.000	1.000
81.17	0.000	0.000	Strato1_2_8_L_0									
48 D	16.48	-3.7481E-02	219.8	82.42	219.8	116.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000
82.42	0.000	0.000	Strato1_2_8_L_0									
49 D	16.81	-3.6440E-02	224.2	84.06	224.2	118.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000
84.06	0.000	0.000	Strato1_2_8_L_0									
50 D	17.06	-3.5381E-02	227.5	85.32	227.5	120.6	ACTIVE	0.000	-9.800	0.000	1.000	1.000
85.32	0.000	0.000	Strato1_2_8_L_0									
51 D	17.39	-3.4306E-02	231.8	86.94	231.8	122.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000
86.94	0.000	0.000	Strato1_2_8_L_0									
52 D	17.64	-3.3217E-02	235.2	88.20	235.2	124.7	ACTIVE	0.000	-10.20	0.000	1.000	1.000
88.20	0.000	0.000	Strato1_2_8_L_0									
53 D	17.96	-3.2115E-02	239.5	89.82	239.5	126.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000
89.82	0.000	0.000	Strato1_2_8_L_0									
54 D	18.21	-3.1002E-02	242.8	91.04	242.8	128.7	ACTIVE	0.000	-10.60	0.000	1.000	1.000
91.04	0.000	0.000	Strato1_2_8_L_0									
55 D	18.53	-2.9880E-02	247.1	92.65	247.1	130.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000
92.65	0.000	0.000	Strato1_2_8_L_0									
56 D	18.78	-2.8751E-02	250.5	93.92	250.5	132.7	ACTIVE	0.000	-11.00	0.000	1.000	1.000
93.92	0.000	0.000	Strato1_2_8_L_0									
57 D	19.11	-2.7618E-02	254.7	95.53	254.7	135.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000
95.53	0.000	0.000	Strato1_2_8_L_0									
58 D	19.36	-2.6482E-02	258.2	96.81	258.2	136.8	ACTIVE	0.000	-11.40	0.000	1.000	1.000
96.81	0.000	0.000	Strato1_2_8_L_0									
59 D	19.68	-2.5345E-02	262.4	98.41	262.4	139.1	ACTIVE	0.000	-11.60	0.000	1.000	1.000
98.41	0.000	0.000	Strato1_2_8_L_0									
60 D	19.94	-2.4209E-02	265.8	99.69	265.8	140.9	ACTIVE	0.000	-11.80	0.000	1.000	1.000
99.69	0.000	0.000	Strato1_2_8_L_0									
61 D	20.25	-2.3077E-02	270.0	101.2	270.0	143.1	ACTIVE	0.000	-12.00	0.000	1.000	1.000
101.2	0.000	0.000	Strato1_2_8_L_0									
62 D	20.50	-2.1949E-02	273.4	102.5	273.4	144.9	ACTIVE	0.000	-12.20	0.000	1.000	1.000
102.5	0.000	0.000	Strato1_2_8_L_0									
63 D	20.82	-2.0829E-02	277.6	104.1	277.6	147.1	ACTIVE	0.000	-12.40	0.000	1.000	1.000
104.1	0.000	0.000	Strato1_2_8_L_0									
64 D	21.08	-1.9718E-02	281.1	105.4	281.1	149.0	ACTIVE	0.000	-12.60	0.000	1.000	1.000
105.4	0.000	0.000	Strato1_2_8_L_0									
65 D	21.40	-1.8617E-02	285.3	107.0	285.3	151.2	ACTIVE	0.000	-12.80	0.000	1.000	1.000
107.0	0.000	0.000	Strato1_2_8_L_0									
66 D	21.66	-1.7528E-02	288.7	108.3	288.7	153.0	ACTIVE	0.000	-13.00	0.000	1.000	1.000
108.3	0.000	0.000	Strato1_2_8_L_0									
67 D	14.08	-1.6452E-02	293.0	70.39	293.0	146.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000
70.39	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.30	-1.5390E-02	296.7	71.49	296.7	148.4	ACTIVE	0.000	-13.40	0.000	1.000	1.000
71.49	0.000	0.000	Strato2_3095_82743_L_0									
69 D	14.55	-1.4344E-02	301.0	72.77	301.0	150.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000
72.77	0.000	0.000	Strato2_3095_82743_L_0									
70 D	14.77	-1.3315E-02	304.7	73.87	304.7	152.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000
73.87	0.000	0.000	Strato2_3095_82743_L_0									
71 D	15.04	-1.2302E-02	309.0	75.19	309.0	154.5	ACTIVE	0.000	-14.00	0.000	1.000	1.000
75.19	0.000	0.000	Strato2_3095_82743_L_0									

72 D	15.26	-1.1306E-02	312.7	76.29	312.7	156.4	ACTIVE	0.000	-14.20	0.000	1.000	1.000	76.29	0.000	0.000	Strato2_3095_82743_L_0
73 D	15.52	-1.0327E-02	317.1	77.60	317.1	158.5	ACTIVE	0.000	-14.40	0.000	1.000	1.000	77.60	0.000	0.000	Strato2_3095_82743_L_0
74 D	15.75	-9.3655E-03	320.8	78.75	320.8	160.4	UL-RL	2.1331E+04	-14.60	0.000	1.000	1.000	78.75	0.000	0.000	Strato2_3095_82743_L_0
75 D	16.02	-8.4209E-03	325.1	80.12	325.1	162.6	UL-RL	2.1331E+04	-14.80	0.000	1.000	1.000	80.12	0.000	0.000	Strato2_3095_82743_L_0
76 D	16.25	-7.4929E-03	328.7	81.26	328.7	164.4	UL-RL	2.1331E+04	-15.00	0.000	1.000	1.000	81.26	0.000	0.000	Strato2_3095_82743_L_0
77 D	16.53	-6.5808E-03	333.1	82.63	333.1	166.5	UL-RL	2.1331E+04	-15.20	0.000	1.000	1.000	82.63	0.000	0.000	Strato2_3095_82743_L_0
78 D	16.76	-5.6838E-03	336.8	83.80	336.8	168.4	UL-RL	2.1331E+04	-15.40	0.000	1.000	1.000	83.80	0.000	0.000	Strato2_3095_82743_L_0
79 D	17.03	-4.8011E-03	341.1	85.17	341.1	170.6	UL-RL	2.1331E+04	-15.60	0.000	1.000	1.000	85.17	0.000	0.000	Strato2_3095_82743_L_0
80 D	17.27	-3.9316E-03	344.9	86.36	344.9	172.4	UL-RL	2.1331E+04	-15.80	0.000	1.000	1.000	86.36	0.000	0.000	Strato2_3095_82743_L_0
81 D	18.34	-3.0740E-03	349.2	91.72	349.2	174.6	UL-RL	2.1331E+04	-16.00	0.000	1.000	1.000	91.72	0.000	0.000	Strato2_3095_82743_L_0
82 D	22.35	-2.2272E-03	353.5	111.8	353.5	176.8	UL-RL	2.1331E+04	-16.20	0.000	1.000	1.000	111.8	0.000	0.000	Strato2_3095_82743_L_0
83 D	26.26	-1.3895E-03	357.2	131.3	357.2	178.6	UL-RL	2.1331E+04	-16.40	0.000	1.000	1.000	131.3	0.000	0.000	Strato2_3095_82743_L_0
84 D	30.18	-5.5961E-04	361.5	150.9	361.5	180.7	UL-RL	2.1331E+04	-16.60	0.000	1.000	1.000	150.9	0.000	0.000	Strato2_3095_82743_L_0
85 D	34.02	2.6410E-04	365.2	170.1	365.2	182.6	UL-RL	2.1331E+04	-16.80	0.000	1.000	1.000	170.1	0.000	0.000	Strato2_3095_82743_L_0
86 D	36.37	1.0830E-03	369.5	181.8	369.5	188.6	UL-RL	2.1331E+04	-17.00	0.000	1.000	1.000	181.8	0.000	0.000	Strato2_3095_82743_L_0
87 D	38.01	1.8983E-03	373.2	190.1	373.2	195.8	UL-RL	2.1331E+04	-17.20	0.000	1.000	1.000	190.1	0.000	0.000	Strato2_3095_82743_L_0
88 D	39.71	2.7113E-03	377.5	198.6	377.5	203.4	UL-RL	2.1331E+04	-17.40	0.000	1.000	1.000	198.6	0.000	0.000	Strato2_3095_82743_L_0
89 D	41.35	3.5229E-03	381.3	206.8	381.3	210.6	UL-RL	2.1331E+04	-17.60	0.000	1.000	1.000	206.8	0.000	0.000	Strato2_3095_82743_L_0
90 D	43.05	4.3338E-03	385.6	215.2	385.6	218.1	UL-RL	2.1331E+04	-17.80	0.000	1.000	1.000	215.2	0.000	0.000	Strato2_3095_82743_L_0
91 D	22.34	5.1444E-03	389.2	223.4	389.2	225.3	UL-RL	2.1331E+04	-18.00	0.000	1.000	1.000	223.4	0.000	0.000	Strato2_3095_82743_L_0

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+-------------------------------------------------------------------------------------------------------+
|                PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017* |
|                                                                                                       |
|                               NewProject.BaseDesignSection_28.A2M2R1_3514                             |
|                            Exe Time :29 July 2019      18:00:09                                       |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available

10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49	D	1.154	3.6440E-02	1.900	5.772	182.4	105.7	PASSIVE	0.000	-9.600	0.000	1.000	1.000	0.000	5.772	Strato1_2_8_L_0
50	D	3.463	3.5381E-02	5.700	17.32	186.2	107.0	PASSIVE	0.000	-9.800	0.000	1.000	1.000	0.000	17.32	Strato1_2_8_L_0
51	D	5.772	3.4306E-02	9.500	28.86	190.0	108.3	PASSIVE	0.000	-10.00	0.000	1.000	1.000	0.000	28.86	Strato1_2_8_L_0
52	D	8.081	3.3217E-02	13.30	40.41	193.8	109.6	PASSIVE	0.000	-10.20	0.000	1.000	1.000			

40.41	0.000	0.000	Strato1_2_8_L_0										
53 D	10.39	3.2115E-02	17.10	51.95	197.6	111.1	PASSIVE	0.000	-10.40	0.000	1.000	1.000	
51.95	0.000	0.000	Strato1_2_8_L_0										
54 D	12.70	3.1002E-02	20.90	63.49	201.4	112.5	PASSIVE	0.000	-10.60	0.000	1.000	1.000	
63.49	0.000	0.000	Strato1_2_8_L_0										
55 D	15.01	2.9880E-02	24.70	75.04	205.2	114.1	PASSIVE	0.000	-10.80	0.000	1.000	1.000	
75.04	0.000	0.000	Strato1_2_8_L_0										
56 D	17.32	2.8751E-02	28.50	86.58	209.0	115.6	PASSIVE	0.000	-11.00	0.000	1.000	1.000	
86.58	0.000	0.000	Strato1_2_8_L_0										
57 D	19.63	2.7618E-02	32.30	98.13	212.8	117.3	PASSIVE	0.000	-11.20	0.000	1.000	1.000	
98.13	0.000	0.000	Strato1_2_8_L_0										
58 D	21.93	2.6482E-02	36.10	109.7	216.6	118.9	PASSIVE	0.000	-11.40	0.000	1.000	1.000	
109.7	0.000	0.000	Strato1_2_8_L_0										
59 D	24.24	2.5345E-02	39.90	121.2	220.4	121.2	PASSIVE	0.000	-11.60	0.000	1.000	1.000	
121.2	0.000	0.000	Strato1_2_8_L_0										
60 D	26.55	2.4209E-02	43.70	132.8	224.2	132.8	PASSIVE	0.000	-11.80	0.000	1.000	1.000	
132.8	0.000	0.000	Strato1_2_8_L_0										
61 D	28.86	2.3077E-02	47.50	144.3	228.0	144.3	PASSIVE	0.000	-12.00	0.000	1.000	1.000	
144.3	0.000	0.000	Strato1_2_8_L_0										
62 D	31.17	2.1949E-02	51.30	155.8	231.8	155.8	PASSIVE	0.000	-12.20	0.000	1.000	1.000	
155.8	0.000	0.000	Strato1_2_8_L_0										
63 D	33.48	2.0829E-02	55.10	167.4	235.6	167.4	PASSIVE	0.000	-12.40	0.000	1.000	1.000	
167.4	0.000	0.000	Strato1_2_8_L_0										
64 D	34.88	1.9718E-02	58.90	174.4	239.4	174.4	V-C	2296.	-12.60	0.000	1.000	1.000	
174.4	0.000	0.000	Strato1_2_8_L_0										
65 D	34.76	1.8617E-02	62.70	173.8	243.2	173.8	V-C	2296.	-12.80	0.000	1.000	1.000	
173.8	0.000	0.000	Strato1_2_8_L_0										
66 D	34.64	1.7528E-02	66.50	173.2	247.0	173.2	V-C	2296.	-13.00	0.000	1.000	1.000	
173.2	0.000	0.000	Strato1_2_8_L_0										
67 D	39.06	1.6452E-02	70.40	195.3	250.9	195.3	V-C	5171.	-13.20	0.000	1.000	1.000	
195.3	0.000	0.000	Strato2_3095_82743_L_0										
68 D	38.36	1.5390E-02	74.40	191.8	254.9	191.8	V-C	5171.	-13.40	0.000	1.000	1.000	
191.8	0.000	0.000	Strato2_3095_82743_L_0										
69 D	37.67	1.4344E-02	78.40	188.4	258.9	188.4	V-C	5171.	-13.60	0.000	1.000	1.000	
188.4	0.000	0.000	Strato2_3095_82743_L_0										
70 D	37.01	1.3315E-02	82.40	185.1	262.9	185.1	V-C	5171.	-13.80	0.000	1.000	1.000	
185.1	0.000	0.000	Strato2_3095_82743_L_0										
71 D	36.37	1.2302E-02	86.40	181.8	266.9	181.8	V-C	5171.	-14.00	0.000	1.000	1.000	
181.8	0.000	0.000	Strato2_3095_82743_L_0										
72 D	35.75	1.1306E-02	90.40	178.7	270.9	178.7	V-C	5171.	-14.20	0.000	1.000	1.000	
178.7	0.000	0.000	Strato2_3095_82743_L_0										
73 D	35.15	1.0327E-02	94.40	175.7	274.9	175.7	V-C	5171.	-14.40	0.000	1.000	1.000	
175.7	0.000	0.000	Strato2_3095_82743_L_0										
74 D	34.56	9.3655E-03	98.40	172.8	278.9	172.8	UL-RL	1.5512E+04	-14.60	0.000	1.000	1.000	
172.8	0.000	0.000	Strato2_3095_82743_L_0										
75 D	33.99	8.4209E-03	102.4	170.0	282.9	170.0	UL-RL	1.5512E+04	-14.80	0.000	1.000	1.000	
170.0	0.000	0.000	Strato2_3095_82743_L_0										
76 D	33.44	7.4929E-03	106.4	167.2	286.9	167.3	UL-RL	1.5512E+04	-15.00	0.000	1.000	1.000	
167.2	0.000	0.000	Strato2_3095_82743_L_0										
77 D	32.91	6.5808E-03	110.4	164.5	290.9	164.7	UL-RL	1.5512E+04	-15.20	0.000	1.000	1.000	
164.5	0.000	0.000	Strato2_3095_82743_L_0										
78 D	32.39	5.6838E-03	114.4	162.0	294.9	162.2	UL-RL	1.5512E+04	-15.40	0.000	1.000	1.000	
162.0	0.000	0.000	Strato2_3095_82743_L_0										
79 D	31.89	4.8011E-03	118.4	159.5	298.9	159.7	UL-RL	1.5512E+04	-15.60	0.000	1.000	1.000	
159.5	0.000	0.000	Strato2_3095_82743_L_0										
80 D	31.41	3.9316E-03	122.4	157.0	302.9	157.3	UL-RL	1.5512E+04	-15.80	0.000	1.000	1.000	
157.0	0.000	0.000	Strato2_3095_82743_L_0										
81 D	29.97	3.0740E-03	126.4	149.9	306.9	157.4	UL-RL	1.5512E+04	-16.00	0.000	1.000	1.000	
149.9	0.000	0.000	Strato2_3095_82743_L_0										
82 D	27.85	2.2272E-03	130.4	139.3	310.9	159.3	UL-RL	1.5512E+04	-16.20	0.000	1.000	1.000	
139.3	0.000	0.000	Strato2_3095_82743_L_0										
83 D	25.75	1.3895E-03	134.4	128.8	314.9	161.2	UL-RL	1.5512E+04	-16.40	0.000	1.000	1.000	
128.8	0.000	0.000	Strato2_3095_82743_L_0										
84 D	23.68	5.5961E-04	138.4	118.4	318.9	163.1	UL-RL	1.5512E+04	-16.60	0.000	1.000	1.000	
118.4	0.000	0.000	Strato2_3095_82743_L_0										
85 D	21.62	-2.6410E-04	142.4	108.1	322.9	165.0	UL-RL	1.5512E+04	-16.80	0.000	1.000	1.000	
108.1	0.000	0.000	Strato2_3095_82743_L_0										
86 D	19.58	-1.0830E-03	146.4	97.88	326.9	167.0	UL-RL	1.5512E+04	-17.00	0.000	1.000	1.000	
97.88	0.000	0.000	Strato2_3095_82743_L_0										
87 D	17.54	-1.8983E-03	150.4	87.71	330.9	168.9	UL-RL	1.5512E+04	-17.20	0.000	1.000	1.000	
87.71	0.000	0.000	Strato2_3095_82743_L_0										
88 D	15.51	-2.7113E-03	154.4	77.56	334.9	170.8	UL-RL	1.5512E+04	-17.40	0.000	1.000	1.000	
77.56	0.000	0.000	Strato2_3095_82743_L_0										
89 D	13.49	-3.5229E-03	158.4	67.43	338.9	172.7	UL-RL	1.5512E+04	-17.60	0.000	1.000	1.000	
67.43	0.000	0.000	Strato2_3095_82743_L_0										
90 D	11.46	-4.3338E-03	162.4	57.31	342.9	174.6	UL-RL	1.5512E+04	-17.80	0.000	1.000	1.000	
57.31	0.000	0.000	Strato2_3095_82743_L_0										
91 D	4.718	-5.1444E-03	166.4	47.18	346.9	176.6	UL-RL	1.5512E+04	-18.00	0.000	1.000	1.000	
47.18	0.000	0.000	Strato2_3095_82743_L_0										

NewProject.BaseDesignSection_28.A2M2R1_3514
Exe Time :29 July 2019 18:00:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 90
C U R R E N T T I M E I S 5.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.48750	-0.48750	1.97589E-10	9.75000E-02
2	1.4192	-1.4192	-9.75000E-02	0.38134
3	3.9178	-3.9178	-0.38134	1.1649
4	6.5423	-6.5423	-1.1649	2.4734
5	10.093	-10.093	-2.4734	4.4919
6	13.757	-13.757	-4.4919	7.2434
7	18.108	-18.108	-7.2434	10.865
8	22.591	-22.591	-10.865	15.383
9	27.582	-27.582	-15.383	20.900
10	32.731	-32.731	-20.900	27.446
11	38.395	-38.395	-27.446	35.125
12	44.230	-44.230	-35.125	43.971
13	50.535	-50.535	-43.971	54.078
14	57.023	-57.023	-54.078	65.483
15	63.953	-63.953	-65.483	78.273
16	-236.68	236.68	-78.273	30.936
17	-229.18	229.18	-30.936	-14.899
18	-221.47	221.47	14.899	-59.192
19	-213.35	213.35	59.192	-101.86
20	-205.03	205.03	101.86	-142.87
21	-196.32	196.32	142.87	-182.13
22	-187.39	187.39	182.13	-219.61
23	-178.08	178.08	219.61	-255.23
24	-168.58	168.58	255.23	-288.94
25	-158.70	158.70	288.94	-320.69
26	-148.60	148.60	320.69	-350.41
27	-138.14	138.14	350.41	-378.03
28	-127.45	127.45	378.03	-403.52
29	-116.39	116.39	403.52	-426.80
30	-105.11	105.11	426.80	-447.82
31	-93.491	93.491	447.82	-466.52
32	-81.638	81.638	466.52	-482.85
33	-69.435	69.435	482.85	-496.74
34	-56.995	56.995	496.74	-508.14
35	-44.210	44.210	508.14	-516.98
36	-31.185	31.185	516.98	-523.22
37	-17.818	17.818	523.22	-526.78
38	-4.2100	4.2100	526.78	-527.62
39	9.7219	-9.7219	527.62	-525.68
40	23.898	-23.898	525.68	-520.90
41	38.410	-38.410	520.90	-513.21
42	53.167	-53.167	513.21	-502.58
43	68.258	-68.258	502.58	-488.93
44	83.596	-83.596	488.93	-472.21
45	99.265	-99.265	472.21	-452.36
46	115.17	-115.17	452.36	-429.32
47	131.40	-131.40	429.32	-403.04
48	147.89	-147.89	403.04	-373.47
49	163.55	-163.55	373.47	-340.76
50	177.14	-177.14	340.76	-305.33
51	188.76	-188.76	305.33	-267.57
52	198.32	-198.32	267.57	-227.91
53	205.90	-205.90	227.91	-186.73
54	211.40	-211.40	186.73	-144.45
55	214.93	-214.93	144.45	-101.47
56	216.39	-216.39	101.47	-58.187
57	215.87	-215.87	58.187	-15.012
58	213.30	-213.30	15.012	27.649
59	208.74	-208.74	-27.649	69.397
60	202.13	-202.13	-69.397	109.82
61	193.51	-193.51	-109.82	148.52
62	182.85	-182.85	-148.52	185.09
63	170.19	-170.19	-185.09	219.13
64	156.39	-156.39	-219.13	250.41
65	143.03	-143.03	-250.41	279.02
66	130.05	-130.05	-279.02	305.02
67	105.07	-105.07	-305.02	326.04
68	81.008	-81.008	-326.04	342.24

```
   69  57.889     -57.889     -342.24      353.82
   70  35.652     -35.652     -353.82      360.95
   71  14.284     -14.284     -360.95      363.80
   72 -6.2247      6.2247     -363.80      362.56
   73 -25.854      25.854     -362.56      357.39
   74 -44.663      44.663     -357.39      348.46
   75 -62.630      62.630     -348.46      335.93
   76 -79.819      79.819     -335.93      319.97
   77 -96.202      96.202     -319.97      300.73
   78 -111.83      111.83     -300.73      278.36
   79 -126.69      126.69     -278.36      253.02
   80 -140.83      140.83     -253.02      224.86
   81 -152.46      152.46     -224.86      194.36
   82 -157.95      157.95     -194.36      162.77
   83 -157.45      157.45     -162.77      131.28
   84 -150.94      150.94     -131.28      101.09
   85 -138.54      138.54     -101.09      73.386
   86 -121.75      121.75     -73.386      49.037
   87 -101.28      101.28     -49.037      28.781
   88 -77.076      77.076     -28.781      13.366
   89 -49.209      49.209     -13.366      3.5244
   90 -17.622      17.622     -3.5244    -4.27841E-11

+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   318.58     -1.30818E-03  4.36734E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    5

Tirante2_1507                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3214E+07 RIMNOR=0.1563E+08
           RENORM=0.5831E+05 REMNOR=0.9714E-17 RATIO =0.1347     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 307.7     RMMAX = 527.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3214E+07 RDR   =0.1563E+08
           RATIOT=0.1347     RATIOR= 0.000
           MAX UN=0.3624E-01 IEQ=   141 NODE     71 DOF   1  Y-DISPL.F
           MIN UN=-241.5     IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3214E+07 RIMNOR=0.1563E+08
           RENORM= 7.551     REMNOR=0.1017E-16 RATIO =0.1533E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 307.7     RMMAX = 527.6
```

```
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3214E+07 RDR   =0.1563E+08
           RATIOT=0.1533E-02 RATIOR= 0.000
           MAX UN=0.1255     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-2.684     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3214E+07 RIMNOR=0.1563E+08
           RENORM=0.2708E-14 REMNOR=0.6784E-17 RATIO =0.2902E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 307.7     RMMAX = 527.6
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.3214E+07 RDR   =0.1563E+08
           RATIOT=0.2902E-10 RATIOR= 0.000
           MAX UN=0.1323E-07 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.1458E-07 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:00:09                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    6     ( AT TIME   6.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.7708867E-02  -2.9819705E-03
    2   6.7112474E-02  -2.9819589E-03
    3   6.6516086E-02  -2.9819021E-03
    4   6.5919721E-02  -2.9817186E-03
    5   6.5323416E-02  -2.9812867E-03
    6   6.4727233E-02  -2.9804599E-03
    7   6.4131269E-02  -2.9790669E-03
    8   6.3535657E-02  -2.9769174E-03
    9   6.2940567E-02  -2.9738017E-03
   10   6.2346215E-02  -2.9694945E-03
   11   6.1752865E-02  -2.9637505E-03
   12   6.1160829E-02  -2.9563008E-03
   13   6.0570478E-02  -2.9468528E-03
   14   5.9982242E-02  -2.9350911E-03
   15   5.9396618E-02  -2.9206772E-03
   16   5.8814172E-02  -2.9032501E-03
   17   5.8235062E-02  -2.8896685E-03
   18   5.7657592E-02  -2.8867695E-03
   19   5.7079670E-02  -2.8941271E-03
   20   5.6499288E-02  -2.9112930E-03
   21   5.5914530E-02  -2.9377972E-03
   22   5.5323579E-02  -2.9731479E-03
   23   5.4724716E-02  -3.0168313E-03
   24   5.4116330E-02  -3.0683122E-03
   25   5.3496911E-02  -3.1270348E-03
   26   5.2865071E-02  -3.1924220E-03
   27   5.2219538E-02  -3.2638757E-03
   28   5.1559158E-02  -3.3407767E-03
   29   5.0882910E-02  -3.4224840E-03
   30   5.0189891E-02  -3.5083377E-03
   31   4.9479344E-02  -3.5976555E-03
   32   4.8750645E-02  -3.6897359E-03
   33   4.8003314E-02  -3.7838576E-03
   34   4.7237015E-02  -3.8792794E-03
   35   4.6451570E-02  -3.9752397E-03
   36   4.5646939E-02  -4.0709596E-03
   37   4.4823255E-02  -4.1656394E-03
   38   4.3980807E-02  -4.2584615E-03
   39   4.3120050E-02  -4.3485902E-03
   40   4.2241612E-02  -4.4351720E-03
   41   4.1346280E-02  -4.5173380E-03
   42   4.0435030E-02  -4.5942015E-03
   43   3.9509013E-02  -4.6648604E-03
   44   3.8569561E-02  -4.7283971E-03
   45   3.7618196E-02  -4.7838794E-03
   46   3.6656590E-02  -4.8303635E-03
   47   3.5686309E-02  -4.8726212E-03
   48   3.4707506E-02  -4.9154170E-03
```

49	3.3720176E-02	-4.9577698E-03
50	3.2724498E-02	-4.9986925E-03
51	3.1720860E-02	-5.0371981E-03
52	3.0709838E-02	-5.0723401E-03
53	2.9692201E-02	-5.1032629E-03
54	2.8668864E-02	-5.1292190E-03
55	2.7640887E-02	-5.1495685E-03
56	2.6609446E-02	-5.1637808E-03
57	2.5575812E-02	-5.1714341E-03
58	2.4541330E-02	-5.1722164E-03
59	2.3507397E-02	-5.1659257E-03
60	2.2475437E-02	-5.1524697E-03
61	2.1446885E-02	-5.1318669E-03
62	2.0423159E-02	-5.1042459E-03
63	1.9405639E-02	-5.0698461E-03
64	1.8395649E-02	-5.0290170E-03
65	1.7394431E-02	-4.9821968E-03
66	1.6403138E-02	-4.9298540E-03
67	1.5422827E-02	-4.8724516E-03
68	1.4454452E-02	-4.8106331E-03
69	1.3498814E-02	-4.7452189E-03
70	1.2556550E-02	-4.6770174E-03
71	1.1628139E-02	-4.6068247E-03
72	1.0713901E-02	-4.5354248E-03
73	9.8140432E-03	-4.4635927E-03
74	8.9284875E-03	-4.3920804E-03
75	8.0571397E-03	-4.3216375E-03
76	7.1997124E-03	-4.2529971E-03
77	6.3557727E-03	-4.1868789E-03
78	5.5247456E-03	-4.1239893E-03
79	4.7059156E-03	-4.0650211E-03
80	3.8984304E-03	-4.0106537E-03
81	3.1013030E-03	-3.9615529E-03
82	2.3134174E-03	-3.9183293E-03
83	1.5335511E-03	-3.8814094E-03
84	7.6042285E-04	-3.8509519E-03
85	-7.2917534E-06	-3.8268499E-03
86	-7.7075478E-04	-3.8087367E-03
87	-1.5311460E-03	-3.7960176E-03
88	-2.2894704E-03	-3.7879267E-03
89	-3.0465637E-03	-3.7835414E-03
90	-3.8030620E-03	-3.7817828E-03
91	-4.5593696E-03	-3.7814156E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                   Exe Time :29 July 2019      18:00:09                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   91
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D  0.4875     -6.7709E-02   13.00       4.875       13.00       19.53          ACTIVE   0.000       0.000       0.000       1.000       1.000
4.875       0.000       0.000     Strato1_2_8_L_0
   2 D  0.9317     -6.7112E-02   12.42       4.658       12.42       18.99          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
4.658       0.000       0.000     Strato1_2_8_L_0
   3 D  2.499      -6.6516E-02   33.32       12.49       33.32       28.72          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
12.49       0.000       0.000     Strato1_2_8_L_0
   4 D  2.624      -6.5920E-02   34.99       13.12       34.99       29.26          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
13.12       0.000       0.000     Strato1_2_8_L_0
   5 D  3.551      -6.5323E-02   47.34       17.75       47.34       34.90          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
17.75       0.000       0.000     Strato1_2_8_L_0
   6 D  3.664      -6.4727E-02   48.86       18.32       48.86       35.35          ACTIVE   0.000      -1.000       0.000       1.000       1.000
18.32       0.000       0.000     Strato1_2_8_L_0
   7 D  4.351      -6.4131E-02   58.01       21.75       58.01       39.46          ACTIVE   0.000      -1.200       0.000       1.000       1.000
21.75       0.000       0.000     Strato1_2_8_L_0
   8 D  4.483      -6.3536E-02   59.77       22.41       59.77       40.03          ACTIVE   0.000      -1.400       0.000       1.000       1.000
```

22.41	0.000	0.000	Strato1_2_8_L_0									
9 D	5.008	-6.2941E-02	66.55	25.04	66.55	43.00	UL-RL	7686.	-1.600	0.000	1.000	1.000
25.04	0.000	0.000	Strato1_2_8_L_0									
10 D	5.325	-6.2346E-02	68.65	26.62	68.65	43.72	UL-RL	7686.	-1.800	0.000	1.000	1.000
26.62	0.000	0.000	Strato1_2_8_L_0									
11 D	5.998	-6.1753E-02	75.51	29.99	75.51	46.71	UL-RL	7686.	-2.000	0.000	1.000	1.000
29.99	0.000	0.000	Strato1_2_8_L_0									
12 D	6.329	-6.1161E-02	77.80	31.64	77.80	47.50	UL-RL	7686.	-2.200	0.000	1.000	1.000
31.64	0.000	0.000	Strato1_2_8_L_0									
13 D	6.959	-6.0570E-02	84.08	34.79	84.08	50.18	UL-RL	7686.	-2.400	0.000	1.000	1.000
34.79	0.000	0.000	Strato1_2_8_L_0									
14 D	7.300	-5.9982E-02	86.51	36.50	86.51	51.02	UL-RL	7686.	-2.600	0.000	1.000	1.000
36.50	0.000	0.000	Strato1_2_8_L_0									
15 D	7.900	-5.9397E-02	92.39	39.50	92.39	53.48	UL-RL	7686.	-2.800	0.000	1.000	1.000
39.50	0.000	0.000	Strato1_2_8_L_0									
16 D	8.215	-5.8814E-02	94.47	41.07	94.47	54.11	UL-RL	7686.	-3.000	0.000	1.000	1.000
41.07	0.000	0.000	Strato1_2_8_L_0									
17 D	8.795	-5.8235E-02	100.1	43.98	100.1	56.41	UL-RL	7686.	-3.200	0.000	1.000	1.000
43.98	0.000	0.000	Strato1_2_8_L_0									
18 D	9.156	-5.7658E-02	102.8	45.78	102.8	57.29	UL-RL	7686.	-3.400	0.000	1.000	1.000
45.78	0.000	0.000	Strato1_2_8_L_0									
19 D	9.718	-5.7080E-02	108.2	48.59	108.2	59.45	UL-RL	7686.	-3.600	0.000	1.000	1.000
48.59	0.000	0.000	Strato1_2_8_L_0									
20 D	10.08	-5.6499E-02	111.0	50.42	111.0	60.35	UL-RL	7686.	-3.800	0.000	1.000	1.000
50.42	0.000	0.000	Strato1_2_8_L_0									
21 D	10.63	-5.5915E-02	116.2	53.16	116.2	62.40	UL-RL	7686.	-4.000	0.000	1.000	1.000
53.16	0.000	0.000	Strato1_2_8_L_0									
22 D	11.00	-5.5324E-02	119.0	55.02	119.0	63.33	UL-RL	7686.	-4.200	0.000	1.000	1.000
55.02	0.000	0.000	Strato1_2_8_L_0									
23 D	11.54	-5.4725E-02	124.1	57.69	124.1	65.78	UL-RL	7686.	-4.400	0.000	1.000	1.000
57.69	0.000	0.000	Strato1_2_8_L_0									
24 D	11.89	-5.4116E-02	126.7	59.44	126.7	67.16	UL-RL	7686.	-4.600	0.000	1.000	1.000
59.44	0.000	0.000	Strato1_2_8_L_0									
25 D	12.41	-5.3497E-02	131.7	62.06	131.7	69.79	UL-RL	7686.	-4.800	0.000	1.000	1.000
62.06	0.000	0.000	Strato1_2_8_L_0									
26 D	12.79	-5.2865E-02	134.7	63.93	134.7	71.38	UL-RL	7686.	-5.000	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
27 D	13.30	-5.2220E-02	139.5	66.49	139.5	73.96	UL-RL	7686.	-5.200	0.000	1.000	1.000
66.49	0.000	0.000	Strato1_2_8_L_0									
28 D	13.67	-5.1559E-02	142.6	68.36	142.6	75.57	UL-RL	7686.	-5.400	0.000	1.000	1.000
68.36	0.000	0.000	Strato1_2_8_L_0									
29 D	14.17	-5.0883E-02	147.4	70.86	147.4	78.10	UL-RL	7686.	-5.600	0.000	1.000	1.000
70.86	0.000	0.000	Strato1_2_8_L_0									
30 D	14.54	-5.0190E-02	150.4	72.71	150.4	79.74	UL-RL	7686.	-5.800	0.000	1.000	1.000
72.71	0.000	0.000	Strato1_2_8_L_0									
31 D	15.01	-4.9479E-02	154.9	75.05	154.9	82.11	UL-RL	7686.	-6.000	0.000	1.000	1.000
75.05	0.000	0.000	Strato1_2_8_L_0									
32 D	15.37	-4.8751E-02	158.0	76.87	158.0	83.76	UL-RL	7686.	-6.200	0.000	1.000	1.000
76.87	0.000	0.000	Strato1_2_8_L_0									
33 D	15.85	-4.8003E-02	162.7	79.24	162.7	86.23	UL-RL	7686.	-6.400	0.000	1.000	1.000
79.24	0.000	0.000	Strato1_2_8_L_0									
34 D	16.20	-4.7237E-02	165.9	81.01	165.9	87.91	UL-RL	7686.	-6.600	0.000	1.000	1.000
81.01	0.000	0.000	Strato1_2_8_L_0									
35 D	16.66	-4.6452E-02	170.5	83.29	170.5	90.35	UL-RL	7686.	-6.800	0.000	1.000	1.000
83.29	0.000	0.000	Strato1_2_8_L_0									
36 D	17.00	-4.5647E-02	173.7	85.01	173.7	92.04	UL-RL	7686.	-7.000	0.000	1.000	1.000
85.01	0.000	0.000	Strato1_2_8_L_0									
37 D	17.44	-4.4823E-02	178.2	87.19	178.2	94.46	UL-RL	7686.	-7.200	0.000	1.000	1.000
87.19	0.000	0.000	Strato1_2_8_L_0									
38 D	17.77	-4.3981E-02	181.4	88.83	181.4	96.16	UL-RL	7686.	-7.400	0.000	1.000	1.000
88.83	0.000	0.000	Strato1_2_8_L_0									
39 D	18.16	-4.3120E-02	185.8	90.82	185.8	98.45	UL-RL	7686.	-7.600	0.000	1.000	1.000
90.82	0.000	0.000	Strato1_2_8_L_0									
40 D	18.47	-4.2242E-02	189.0	92.36	189.0	100.2	UL-RL	7686.	-7.800	0.000	1.000	1.000
92.36	0.000	0.000	Strato1_2_8_L_0									
41 D	18.86	-4.1346E-02	193.5	94.30	193.5	102.5	UL-RL	7686.	-8.000	0.000	1.000	1.000
94.30	0.000	0.000	Strato1_2_8_L_0									
42 D	19.14	-4.0435E-02	196.8	95.72	196.8	104.3	UL-RL	7686.	-8.200	0.000	1.000	1.000
95.72	0.000	0.000	Strato1_2_8_L_0									
43 D	19.50	-3.9509E-02	201.2	97.50	201.2	106.6	UL-RL	7686.	-8.400	0.000	1.000	1.000
97.50	0.000	0.000	Strato1_2_8_L_0									
44 D	19.76	-3.8570E-02	204.5	98.78	204.5	108.4	UL-RL	7686.	-8.600	0.000	1.000	1.000
98.78	0.000	0.000	Strato1_2_8_L_0									
45 D	20.08	-3.7618E-02	208.9	100.4	208.9	110.7	UL-RL	7686.	-8.800	0.000	1.000	1.000
100.4	0.000	0.000	Strato1_2_8_L_0									
46 D	20.28	-3.6657E-02	212.1	101.4	212.1	112.4	UL-RL	7686.	-9.000	0.000	1.000	1.000
101.4	0.000	0.000	Strato1_2_8_L_0									
47 D	20.56	-3.5686E-02	216.5	102.8	216.5	114.7	UL-RL	7686.	-9.200	0.000	1.000	1.000
102.8	0.000	0.000	Strato1_2_8_L_0									
48 D	20.75	-3.4708E-02	219.8	103.7	219.8	116.5	UL-RL	7686.	-9.400	0.000	1.000	1.000
103.7	0.000	0.000	Strato1_2_8_L_0									
49 D	20.99	-3.3720E-02	224.2	105.0	224.2	118.8	UL-RL	7686.	-9.600	0.000	1.000	1.000
105.0	0.000	0.000	Strato1_2_8_L_0									
50 D	21.15	-3.2724E-02	227.5	105.7	227.5	120.6	UL-RL	7686.	-9.800	0.000	1.000	1.000
105.7	0.000	0.000	Strato1_2_8_L_0									

51 D	21.36	-3.1721E-02	231.8	106.8	231.8	122.9	UL-RL	7686.	-10.00	0.000	1.000	1.000	
106.8	0.000	0.000	Strato1_2_8_L_0										
52 D	21.50	-3.0710E-02	235.2	107.5	235.2	124.7	UL-RL	7686.	-10.20	0.000	1.000	1.000	
107.5	0.000	0.000	Strato1_2_8_L_0										
53 D	21.69	-2.9692E-02	239.5	108.4	239.5	126.9	UL-RL	7686.	-10.40	0.000	1.000	1.000	
108.4	0.000	0.000	Strato1_2_8_L_0										
54 D	21.79	-2.8669E-02	242.8	109.0	242.8	128.7	UL-RL	7686.	-10.60	0.000	1.000	1.000	
109.0	0.000	0.000	Strato1_2_8_L_0										
55 D	21.97	-2.7641E-02	247.1	109.9	247.1	130.9	UL-RL	7686.	-10.80	0.000	1.000	1.000	
109.9	0.000	0.000	Strato1_2_8_L_0										
56 D	22.08	-2.6609E-02	250.5	110.4	250.5	132.7	UL-RL	7686.	-11.00	0.000	1.000	1.000	
110.4	0.000	0.000	Strato1_2_8_L_0										
57 D	22.24	-2.5576E-02	254.7	111.2	254.7	135.0	UL-RL	7686.	-11.20	0.000	1.000	1.000	
111.2	0.000	0.000	Strato1_2_8_L_0										
58 D	22.34	-2.4541E-02	258.2	111.7	258.2	136.8	UL-RL	7686.	-11.40	0.000	1.000	1.000	
111.7	0.000	0.000	Strato1_2_8_L_0										
59 D	22.51	-2.3507E-02	262.4	112.5	262.4	139.1	UL-RL	7686.	-11.60	0.000	1.000	1.000	
112.5	0.000	0.000	Strato1_2_8_L_0										
60 D	22.60	-2.2475E-02	265.8	113.0	265.8	140.9	UL-RL	7686.	-11.80	0.000	1.000	1.000	
113.0	0.000	0.000	Strato1_2_8_L_0										
61 D	22.75	-2.1447E-02	270.0	113.8	270.0	143.1	UL-RL	7686.	-12.00	0.000	1.000	1.000	
113.8	0.000	0.000	Strato1_2_8_L_0										
62 D	22.85	-2.0423E-02	273.4	114.3	273.4	144.9	UL-RL	7686.	-12.20	0.000	1.000	1.000	
114.3	0.000	0.000	Strato1_2_8_L_0										
63 D	23.01	-1.9406E-02	277.6	115.1	277.6	147.1	UL-RL	7686.	-12.40	0.000	1.000	1.000	
115.1	0.000	0.000	Strato1_2_8_L_0										
64 D	23.11	-1.8396E-02	281.1	115.6	281.1	149.0	UL-RL	7686.	-12.60	0.000	1.000	1.000	
115.6	0.000	0.000	Strato1_2_8_L_0										
65 D	23.28	-1.7394E-02	285.3	116.4	285.3	151.2	UL-RL	7686.	-12.80	0.000	1.000	1.000	
116.4	0.000	0.000	Strato1_2_8_L_0										
66 D	23.38	-1.6403E-02	288.7	116.9	288.7	153.0	UL-RL	7686.	-13.00	0.000	1.000	1.000	
116.9	0.000	0.000	Strato1_2_8_L_0										
67 D	18.47	-1.5423E-02	293.0	92.34	293.0	146.5	UL-RL	2.1331E+04	-13.20	0.000	1.000	1.000	
92.34	0.000	0.000	Strato2_3095_82743_L_0										
68 D	18.29	-1.4454E-02	296.7	91.45	296.7	148.4	UL-RL	2.1331E+04	-13.40	0.000	1.000	1.000	
91.45	0.000	0.000	Strato2_3095_82743_L_0										
69 D	18.16	-1.3499E-02	301.0	90.81	301.0	150.5	UL-RL	2.1331E+04	-13.60	0.000	1.000	1.000	
90.81	0.000	0.000	Strato2_3095_82743_L_0										
70 D	18.01	-1.2557E-02	304.7	90.04	304.7	152.3	UL-RL	2.1331E+04	-13.80	0.000	1.000	1.000	
90.04	0.000	0.000	Strato2_3095_82743_L_0										
71 D	17.91	-1.1628E-02	309.0	89.55	309.0	154.5	UL-RL	2.1331E+04	-14.00	0.000	1.000	1.000	
89.55	0.000	0.000	Strato2_3095_82743_L_0										
72 D	17.78	-1.0714E-02	312.7	88.92	312.7	156.4	UL-RL	2.1331E+04	-14.20	0.000	1.000	1.000	
88.92	0.000	0.000	Strato2_3095_82743_L_0										
73 D	17.71	-9.8140E-03	317.1	88.54	317.1	158.5	UL-RL	2.1331E+04	-14.40	0.000	1.000	1.000	
88.54	0.000	0.000	Strato2_3095_82743_L_0										
74 D	17.61	-8.9285E-03	320.8	88.07	320.8	160.4	UL-RL	2.1331E+04	-14.60	0.000	1.000	1.000	
88.07	0.000	0.000	Strato2_3095_82743_L_0										
75 D	17.58	-8.0571E-03	325.1	87.88	325.1	162.6	UL-RL	2.1331E+04	-14.80	0.000	1.000	1.000	
87.88	0.000	0.000	Strato2_3095_82743_L_0										
76 D	17.50	-7.1997E-03	328.7	87.51	328.7	164.4	UL-RL	2.1331E+04	-15.00	0.000	1.000	1.000	
87.51	0.000	0.000	Strato2_3095_82743_L_0										
77 D	17.49	-6.3558E-03	333.1	87.43	333.1	166.5	UL-RL	2.1331E+04	-15.20	0.000	1.000	1.000	
87.43	0.000	0.000	Strato2_3095_82743_L_0										
78 D	17.44	-5.5247E-03	336.8	87.20	336.8	168.4	UL-RL	2.1331E+04	-15.40	0.000	1.000	1.000	
87.20	0.000	0.000	Strato2_3095_82743_L_0										
79 D	17.44	-4.7059E-03	341.1	87.20	341.1	170.6	UL-RL	2.1331E+04	-15.60	0.000	1.000	1.000	
87.20	0.000	0.000	Strato2_3095_82743_L_0										
80 D	17.41	-3.8984E-03	344.9	87.06	344.9	172.4	UL-RL	2.1331E+04	-15.80	0.000	1.000	1.000	
87.06	0.000	0.000	Strato2_3095_82743_L_0										
81 D	18.23	-3.1013E-03	349.2	91.14	349.2	174.6	UL-RL	2.1331E+04	-16.00	0.000	1.000	1.000	
91.14	0.000	0.000	Strato2_3095_82743_L_0										
82 D	21.99	-2.3134E-03	353.5	109.9	353.5	176.8	UL-RL	2.1331E+04	-16.20	0.000	1.000	1.000	
109.9	0.000	0.000	Strato2_3095_82743_L_0										
83 D	25.65	-1.5336E-03	357.2	128.2	357.2	178.6	UL-RL	2.1331E+04	-16.40	0.000	1.000	1.000	
128.2	0.000	0.000	Strato2_3095_82743_L_0										
84 D	29.32	-7.6042E-04	361.5	146.6	361.5	180.7	UL-RL	2.1331E+04	-16.60	0.000	1.000	1.000	
146.6	0.000	0.000	Strato2_3095_82743_L_0										
85 D	32.93	7.2918E-06	365.2	164.6	365.2	182.6	UL-RL	2.1331E+04	-16.80	0.000	1.000	1.000	
164.6	0.000	0.000	Strato2_3095_82743_L_0										
86 D	35.04	7.7075E-04	369.5	175.2	369.5	188.6	UL-RL	2.1331E+04	-17.00	0.000	1.000	1.000	
175.2	0.000	0.000	Strato2_3095_82743_L_0										
87 D	36.45	1.5311E-03	373.2	182.2	373.2	195.8	UL-RL	2.1331E+04	-17.20	0.000	1.000	1.000	
182.2	0.000	0.000	Strato2_3095_82743_L_0										
88 D	37.91	2.2895E-03	377.5	189.6	377.5	203.4	UL-RL	2.1331E+04	-17.40	0.000	1.000	1.000	
189.6	0.000	0.000	Strato2_3095_82743_L_0										
89 D	39.32	3.0466E-03	381.3	196.6	381.3	210.6	UL-RL	2.1331E+04	-17.60	0.000	1.000	1.000	
196.6	0.000	0.000	Strato2_3095_82743_L_0										
90 D	40.78	3.8031E-03	385.6	203.9	385.6	218.1	UL-RL	2.1331E+04	-17.80	0.000	1.000	1.000	
203.9	0.000	0.000	Strato2_3095_82743_L_0										
91 D	21.09	4.5594E-03	389.2	210.9	389.2	225.3	UL-RL	2.1331E+04	-18.00	0.000	1.000	1.000	
210.9	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                   Exe Time :29 July 2019      18:00:09                                                |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T   T I M E   I S   6.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000				

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0.000       0.000       0.000     not available
  32     0.000         --          --          --          --          --          REMOVED     --          -6.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  33     0.000         --          --          --          --          --          REMOVED     --          -6.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  34     0.000         --          --          --          --          --          REMOVED     --          -6.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  35     0.000         --          --          --          --          --          REMOVED     --          -6.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
  36     0.000         --          --          --          --          --          REMOVED     --          -7.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  37     0.000         --          --          --          --          --          REMOVED     --          -7.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  38     0.000         --          --          --          --          --          REMOVED     --          -7.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  39     0.000         --          --          --          --          --          REMOVED     --          -7.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  40     0.000         --          --          --          --          --          REMOVED     --          -7.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
  41     0.000         --          --          --          --          --          REMOVED     --          -8.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  42     0.000         --          --          --          --          --          REMOVED     --          -8.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  43     0.000         --          --          --          --          --          REMOVED     --          -8.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  44     0.000         --          --          --          --          --          REMOVED     --          -8.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  45     0.000         --          --          --          --          --          REMOVED     --          -8.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
  46     0.000         --          --          --          --          --          REMOVED     --          -9.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  47     0.000         --          --          --          --          --          REMOVED     --          -9.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  48     0.000         --          --          --          --          --          REMOVED     --          -9.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  49 D   0.1425      3.3720E-02  1.900       0.7125      182.4       105.7       ACTIVE      0.000       -9.600      0.000       1.000       1.000
0.7125      0.000       0.000     Strato1_2_8_L_0
  50 D   0.4275      3.2724E-02  5.700       2.137       186.2       107.0       ACTIVE      0.000       -9.800      0.000       1.000       1.000
2.137       0.000       0.000     Strato1_2_8_L_0
  51 D   2.210       3.1721E-02  9.500       11.05       190.0       108.3       UL-RL       6888.       -10.00      0.000       1.000       1.000
11.05       0.000       0.000     Strato1_2_8_L_0
  52 D   4.627       3.0710E-02  13.30       23.14       193.8       109.6       UL-RL       6888.       -10.20      0.000       1.000       1.000
23.14       0.000       0.000     Strato1_2_8_L_0
  53 D   7.053       2.9692E-02  17.10       35.26       197.6       111.1       UL-RL       6888.       -10.40      0.000       1.000       1.000
35.26       0.000       0.000     Strato1_2_8_L_0
  54 D   9.485       2.8669E-02  20.90       47.42       201.4       112.5       UL-RL       6888.       -10.60      0.000       1.000       1.000
47.42       0.000       0.000     Strato1_2_8_L_0
  55 D   11.92       2.7641E-02  24.70       59.62       205.2       114.1       UL-RL       6888.       -10.80      0.000       1.000       1.000
59.62       0.000       0.000     Strato1_2_8_L_0
  56 D   14.37       2.6609E-02  28.50       71.83       209.0       115.6       UL-RL       6888.       -11.00      0.000       1.000       1.000
71.83       0.000       0.000     Strato1_2_8_L_0
  57 D   16.81       2.5576E-02  32.30       84.06       212.8       117.3       UL-RL       6888.       -11.20      0.000       1.000       1.000
84.06       0.000       0.000     Strato1_2_8_L_0
  58 D   19.26       2.4541E-02  36.10       96.31       216.6       118.9       UL-RL       6888.       -11.40      0.000       1.000       1.000
96.31       0.000       0.000     Strato1_2_8_L_0
  59 D   21.71       2.3507E-02  39.90       108.6       220.4       121.2       UL-RL       6888.       -11.60      0.000       1.000       1.000
108.6       0.000       0.000     Strato1_2_8_L_0
  60 D   24.16       2.2475E-02  43.70       120.8       224.2       132.8       UL-RL       6888.       -11.80      0.000       1.000       1.000
120.8       0.000       0.000     Strato1_2_8_L_0
  61 D   26.62       2.1447E-02  47.50       133.1       228.0       144.3       UL-RL       6888.       -12.00      0.000       1.000       1.000
133.1       0.000       0.000     Strato1_2_8_L_0
  62 D   29.07       2.0423E-02  51.30       145.3       231.8       155.8       UL-RL       6888.       -12.20      0.000       1.000       1.000
145.3       0.000       0.000     Strato1_2_8_L_0
  63 D   31.52       1.9406E-02  55.10       157.6       235.6       167.4       UL-RL       6888.       -12.40      0.000       1.000       1.000
157.6       0.000       0.000     Strato1_2_8_L_0
  64 D   33.06       1.8396E-02  58.90       165.3       239.4       174.4       UL-RL       6888.       -12.60      0.000       1.000       1.000
165.3       0.000       0.000     Strato1_2_8_L_0
  65 D   33.07       1.7394E-02  62.70       165.4       243.2       173.8       UL-RL       6888.       -12.80      0.000       1.000       1.000
165.4       0.000       0.000     Strato1_2_8_L_0
  66 D   33.09       1.6403E-02  66.50       165.5       247.0       173.2       UL-RL       6888.       -13.00      0.000       1.000       1.000
165.5       0.000       0.000     Strato1_2_8_L_0
  67 D   35.86       1.5423E-02  70.40       179.3       250.9       195.3       UL-RL       1.5512E+04  -13.20      0.000       1.000       1.000
179.3       0.000       0.000     Strato2_3095_82743_L_0
  68 D   35.45       1.4454E-02  74.40       177.3       254.9       191.8       UL-RL       1.5512E+04  -13.40      0.000       1.000       1.000
177.3       0.000       0.000     Strato2_3095_82743_L_0
  69 D   35.05       1.3499E-02  78.40       175.3       258.9       188.4       UL-RL       1.5512E+04  -13.60      0.000       1.000       1.000
175.3       0.000       0.000     Strato2_3095_82743_L_0
  70 D   34.66       1.2557E-02  82.40       173.3       262.9       185.1       UL-RL       1.5512E+04  -13.80      0.000       1.000       1.000
173.3       0.000       0.000     Strato2_3095_82743_L_0
  71 D   34.28       1.1628E-02  86.40       171.4       266.9       181.8       UL-RL       1.5512E+04  -14.00      0.000       1.000       1.000
171.4       0.000       0.000     Strato2_3095_82743_L_0
  72 D   33.91       1.0714E-02  90.40       169.6       270.9       178.7       UL-RL       1.5512E+04  -14.20      0.000       1.000       1.000
169.6       0.000       0.000     Strato2_3095_82743_L_0
  73 D   33.55       9.8140E-03  94.40       167.8       274.9       175.7       UL-RL       1.5512E+04  -14.40      0.000       1.000       1.000
167.8       0.000       0.000     Strato2_3095_82743_L_0
```

74 D	33.20	8.9285E-03	98.40	166.0	278.9	172.8	UL-RL	1.5512E+04	-14.60	0.000	1.000	1.000	166.0
0.000	0.000	Strato2_3095_82743_L_0											
75 D	32.86	8.0571E-03	102.4	164.3	282.9	170.0	UL-RL	1.5512E+04	-14.80	0.000	1.000	1.000	164.3
0.000	0.000	Strato2_3095_82743_L_0											
76 D	32.53	7.1997E-03	106.4	162.7	286.9	167.3	UL-RL	1.5512E+04	-15.00	0.000	1.000	1.000	162.7
0.000	0.000	Strato2_3095_82743_L_0											
77 D	32.21	6.3558E-03	110.4	161.1	290.9	164.7	UL-RL	1.5512E+04	-15.20	0.000	1.000	1.000	161.1
0.000	0.000	Strato2_3095_82743_L_0											
78 D	31.90	5.5247E-03	114.4	159.5	294.9	162.2	UL-RL	1.5512E+04	-15.40	0.000	1.000	1.000	159.5
0.000	0.000	Strato2_3095_82743_L_0											
79 D	31.60	4.7059E-03	118.4	158.0	298.9	159.7	UL-RL	1.5512E+04	-15.60	0.000	1.000	1.000	158.0
0.000	0.000	Strato2_3095_82743_L_0											
80 D	31.30	3.8984E-03	122.4	156.5	302.9	157.3	UL-RL	1.5512E+04	-15.80	0.000	1.000	1.000	156.5
0.000	0.000	Strato2_3095_82743_L_0											
81 D	30.06	3.1013E-03	126.4	150.3	306.9	157.4	UL-RL	1.5512E+04	-16.00	0.000	1.000	1.000	150.3
0.000	0.000	Strato2_3095_82743_L_0											
82 D	28.12	2.3134E-03	130.4	140.6	310.9	159.3	UL-RL	1.5512E+04	-16.20	0.000	1.000	1.000	140.6
0.000	0.000	Strato2_3095_82743_L_0											
83 D	26.20	1.5336E-03	134.4	131.0	314.9	161.2	UL-RL	1.5512E+04	-16.40	0.000	1.000	1.000	131.0
0.000	0.000	Strato2_3095_82743_L_0											
84 D	24.30	7.6042E-04	138.4	121.5	318.9	163.1	UL-RL	1.5512E+04	-16.60	0.000	1.000	1.000	121.5
0.000	0.000	Strato2_3095_82743_L_0											
85 D	22.42	-7.2918E-06	142.4	112.1	322.9	165.0	UL-RL	1.5512E+04	-16.80	0.000	1.000	1.000	112.1
0.000	0.000	Strato2_3095_82743_L_0											
86 D	20.54	-7.7075E-04	146.4	102.7	326.9	167.0	UL-RL	1.5512E+04	-17.00	0.000	1.000	1.000	102.7
0.000	0.000	Strato2_3095_82743_L_0											
87 D	18.68	-1.5311E-03	150.4	93.40	330.9	168.9	UL-RL	1.5512E+04	-17.20	0.000	1.000	1.000	93.40
0.000	0.000	Strato2_3095_82743_L_0											
88 D	16.82	-2.2895E-03	154.4	84.10	334.9	170.8	UL-RL	1.5512E+04	-17.40	0.000	1.000	1.000	84.10
0.000	0.000	Strato2_3095_82743_L_0											
89 D	14.96	-3.0466E-03	158.4	74.82	338.9	172.7	UL-RL	1.5512E+04	-17.60	0.000	1.000	1.000	74.82
0.000	0.000	Strato2_3095_82743_L_0											
90 D	13.11	-3.8031E-03	162.4	65.54	342.9	174.6	UL-RL	1.5512E+04	-17.80	0.000	1.000	1.000	65.54
0.000	0.000	Strato2_3095_82743_L_0											
91 D	5.626	-4.5594E-03	166.4	56.26	346.9	176.6	UL-RL	1.5512E+04	-18.00	0.000	1.000	1.000	56.26
0.000	0.000	Strato2_3095_82743_L_0											

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                        NewProject.BaseDesignSection_28.A2M2R1_3514                                            |
|                                    Exe Time :29 July 2019      18:00:09                                                       |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
 ------------------------------------------------------
    1 0.48750    -0.48750     8.36892E-11 9.75000E-02
    2  1.4192     -1.4192    -9.75000E-02 0.38134
    3  3.9178     -3.9178    -0.38134      1.1649
    4  6.5423     -6.5423     -1.1649      2.4734
    5  10.093     -10.093     -2.4734      4.4919
    6  13.757     -13.757     -4.4919      7.2434
    7  18.108     -18.108     -7.2434      10.865
    8  22.591     -22.591     -10.865      15.383
    9  27.599     -27.599     -15.383      20.903
   10  32.924     -32.924     -20.903      27.488
   11  38.922     -38.922     -27.488      35.272
   12  45.251     -45.251     -35.272      44.322
   13  52.209     -52.209     -44.322      54.764
   14  59.509     -59.509     -54.764      66.666
   15  67.409     -67.409     -66.666      80.148
   16 -229.39      229.39     -80.148      34.270
   17 -220.59      220.59     -34.270     -9.8481
   18 -211.44      211.44      9.8481     -52.135
   19 -201.72      201.72      52.135     -92.479
   20 -191.63      191.63      92.479     -130.81
   21 -181.00      181.00      130.81     -167.01
   22 -170.00      170.00      167.01     -201.01
   23 -158.46      158.46      201.01     -232.70
   24 -146.57      146.57      232.70     -262.01
   25 -134.16      134.16      262.01     -288.84
   26 -121.37      121.37      288.84     -313.12
```

27	-108.08	108.08	313.12	-334.73
28	-94.403	94.403	334.73	-353.61
29	-80.231	80.231	353.61	-369.66
30	-65.689	65.689	369.66	-382.80
31	-50.679	50.679	382.80	-392.93
32	-35.304	35.304	392.93	-400.00
33	-19.457	19.457	400.00	-403.89
34	-3.2539	3.2539	403.89	-404.54
35	13.405	-13.405	404.54	-401.86
36	30.406	-30.406	401.86	-395.77
37	47.845	-47.845	395.77	-386.21
38	65.610	-65.610	386.21	-373.08
39	83.775	-83.775	373.08	-356.33
40	102.25	-102.25	356.33	-335.88
41	121.11	-121.11	335.88	-311.66
42	140.25	-140.25	311.66	-283.61
43	159.75	-159.75	283.61	-251.66
44	179.51	-179.51	251.66	-215.76
45	199.58	-199.58	215.76	-175.84
46	-21.615	21.615	175.84	-180.16
47	-1.0498	1.0498	180.16	-180.37
48	19.699	-19.699	180.37	-176.43
49	40.549	-40.549	176.43	-168.32
50	61.269	-61.269	168.32	-156.07
51	80.422	-80.422	156.07	-139.98
52	97.289	-97.289	139.98	-120.53
53	111.93	-111.93	120.53	-98.141
54	124.23	-124.23	98.141	-73.294
55	134.28	-134.28	73.294	-46.437
56	142.00	-142.00	46.437	-18.038
57	147.43	-147.43	18.038	11.447
58	150.51	-150.51	-11.447	41.549
59	151.30	-151.30	-41.549	71.810
60	149.74	-149.74	-71.810	101.76
61	145.88	-145.88	-101.76	130.93
62	139.66	-139.66	-130.93	158.87
63	131.15	-131.15	-158.87	185.10
64	121.21	-121.21	-185.10	209.34
65	111.41	-111.41	-209.34	231.62
66	101.71	-101.71	-231.62	251.96
67	84.311	-84.311	-251.96	268.83
68	67.149	-67.149	-268.83	282.26
69	50.261	-50.261	-282.26	292.31
70	33.611	-33.611	-292.31	299.03
71	17.241	-17.241	-299.03	302.48
72	1.1135	-1.1135	-302.48	302.70
73	-14.731	14.731	-302.70	299.76
74	-30.320	30.320	-299.76	293.69
75	-45.606	45.606	-293.69	284.57
76	-60.635	60.635	-284.57	272.44
77	-75.360	75.360	-272.44	257.37
78	-89.820	89.820	-257.37	239.41
79	-103.98	103.98	-239.41	218.61
80	-117.87	117.87	-218.61	195.04
81	-129.70	129.70	-195.04	169.10
82	-135.83	135.83	-169.10	141.93
83	-136.39	136.39	-141.93	114.66
84	-131.36	131.36	-114.66	88.382
85	-120.85	120.85	-88.382	64.212
86	-106.36	106.36	-64.212	42.940
87	-88.592	88.592	-42.940	25.222
88	-67.500	67.500	-25.222	11.722
89	-43.143	43.143	-11.722	3.0933
90	-15.466	15.466	-3.0933	3.22492E-11

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                  Exe Time :29 July 2019      18:00:09                                             |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
```

```
         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   315.77     -1.30818E-03  4.29635E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                  Exe Time :29 July 2019      18:00:09                                             |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      6.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   250.00     -2.75144E-03 -2.75144E-03   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM= 9998.     REMNOR=0.6784E-17 RATIO =0.6687E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.6687E-01 RATIOR= 0.000
           MAX UN= 33.09     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-.1458E-07 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM= 2128.     REMNOR=0.1444E-16 RATIO =0.3085E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.3085E-01 RATIOR= 0.000
           MAX UN= 22.46     IEQ=   141 NODE     71 DOF   1  Y-DISPL.F
           MIN UN=-.1898E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM= 222.3     REMNOR=0.1033E-16 RATIO =0.9972E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.9972E-02 RATIOR= 0.000
           MAX UN= 7.303     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           MIN UN=-.3145E-01 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM= 16.29     REMNOR=0.1416E-16 RATIO =0.2699E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.2699E-02 RATIOR= 0.000
           MAX UN= 2.112     IEQ=   167 NODE     84 DOF   1  Y-DISPL.F
           MIN UN=-.1525     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM=0.1804     REMNOR=0.1309E-16 RATIO =0.2841E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.2841E-03 RATIOR= 0.000
           MAX UN=0.3422     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.1657     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
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           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2236E+07 RIMNOR=0.8659E+07
           RENORM=0.2609E-14 REMNOR=0.1187E-16 RATIO =0.3416E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 305.0     RMMAX = 404.5
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.2236E+07 RDR   =0.8659E+07
           RATIOT=0.3416E-10 RATIOR= 0.000
           MAX UN=0.1682E-07 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.1554E-07 IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                     |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                 Exe Time :29 July 2019      18:00:09                                                |
+---------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   6.5655118E-02  -1.9511226E-03
    2   6.5264897E-02  -1.9510772E-03
    3   6.4874699E-02  -1.9508552E-03
    4   6.4484580E-02  -1.9502513E-03
    5   6.4094640E-02  -1.9490317E-03
    6   6.3705025E-02  -1.9469526E-03
    7   6.3315933E-02  -1.9437605E-03
    8   6.2927612E-02  -1.9391981E-03
    9   6.2540362E-02  -1.9330037E-03
   10   6.2154537E-02  -1.9249153E-03
   11   6.1770540E-02  -1.9146658E-03
   12   6.1388833E-02  -1.9019802E-03
   13   6.1009930E-02  -1.8865748E-03
   14   6.0634404E-02  -1.8681579E-03
   15   6.0262887E-02  -1.8464259E-03
   16   5.9896075E-02  -1.8210601E-03
   17   5.9534239E-02  -1.7990637E-03
   18   5.9175759E-02  -1.7874259E-03
   19   5.8818602E-02  -1.7857855E-03
   20   5.8460804E-02  -1.7937669E-03
   21   5.8100480E-02  -1.8109799E-03
   22   5.7735823E-02  -1.8370201E-03
   23   5.7365111E-02  -1.8714687E-03
   24   5.6986706E-02  -1.9138926E-03
   25   5.6599054E-02  -1.9638456E-03
   26   5.6200697E-02  -2.0208674E-03
   27   5.5790267E-02  -2.0844838E-03
   28   5.5366496E-02  -2.1542067E-03
   29   5.4928213E-02  -2.2295331E-03
   30   5.4474346E-02  -2.3099478E-03
   31   5.4003930E-02  -2.3949200E-03
   32   5.3516110E-02  -2.4839061E-03
   33   5.3010137E-02  -2.5763487E-03
   34   5.2485378E-02  -2.6716769E-03
   35   5.1941316E-02  -2.7693051E-03
   36   5.1377545E-02  -2.8686354E-03
   37   5.0793789E-02  -2.9690545E-03
   38   5.0189893E-02  -3.0699360E-03
   39   4.9565827E-02  -3.1706395E-03
   40   4.8921696E-02  -3.2705106E-03
   41   4.8257726E-02  -3.3688831E-03
   42   4.7574288E-02  -3.4650754E-03
   43   4.6871887E-02  -3.5583926E-03
   44   4.6151170E-02  -3.6481262E-03
   45   4.5412927E-02  -3.7335533E-03
   46   4.4658069E-02  -3.8139407E-03
   47   4.3887262E-02  -3.8953874E-03
   48   4.3099437E-02  -3.9839857E-03
   49   4.2293247E-02  -4.0789583E-03
   50   4.1467486E-02  -4.1795157E-03
   51   4.0621122E-02  -4.2848534E-03
   52   3.9753276E-02  -4.3941539E-03
   53   3.8863247E-02  -4.5065845E-03
   54   3.7950490E-02  -4.6213006E-03
   55   3.7014632E-02  -4.7374434E-03
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56	3.6055475E-02	-4.8541407E-03
57	3.5072998E-02	-4.9705067E-03
58	3.4067355E-02	-5.0856418E-03
59	3.3038884E-02	-5.1986328E-03
60	3.1988106E-02	-5.3085529E-03
61	3.0915730E-02	-5.4144614E-03
62	2.9822653E-02	-5.5154044E-03
63	2.8709964E-02	-5.6104144E-03
64	2.7578948E-02	-5.6985104E-03
65	2.6431087E-02	-5.7786975E-03
66	2.5268063E-02	-5.8499674E-03
67	2.4091763E-02	-5.9112980E-03
68	2.2904240E-02	-5.9621877E-03
69	2.1707577E-02	-6.0027340E-03
70	2.0503820E-02	-6.0331792E-03
71	1.9294953E-02	-6.0539099E-03
72	1.8082868E-02	-6.0654570E-03
73	1.6869398E-02	-6.0684959E-03
74	1.5656043E-02	-6.0638464E-03
75	1.4444308E-02	-6.0524722E-03
76	1.3235429E-02	-6.0354816E-03
77	1.2030410E-02	-6.0140679E-03
78	1.0830018E-02	-5.9894070E-03
79	9.6347895E-03	-5.9626131E-03
80	8.4450448E-03	-5.9347389E-03
81	7.2608999E-03	-5.9067752E-03
82	6.0822787E-03	-5.8796513E-03
83	4.9089256E-03	-5.8542333E-03
84	3.7404180E-03	-5.8313260E-03
85	2.5761202E-03	-5.8116714E-03
86	1.4154372E-03	-5.7958274E-03
87	2.5752085E-04	-5.7840096E-03
88	-8.9842611E-04	-5.7760836E-03
89	-2.0531407E-03	-5.7715797E-03
90	-3.2072324E-03	-5.7696927E-03
91	-4.3611162E-03	-5.7692819E-03

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017* |
|                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                          |
|                                 Exe Time :29 July 2019      18:00:09                                    |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.911	-6.5655E-02	13.00	19.11	13.00	20.30	UL-RL	7686.	0.000	0.000	1.000	1.000	19.11	0.000	0.000	Strato1_2_8_L_0
2 D	3.619	-6.5265E-02	12.42	18.10	12.42	19.37	UL-RL	7686.	-0.2000	0.000	1.000	1.000	18.10	0.000	0.000	Strato1_2_8_L_0
3 D	5.022	-6.4875E-02	33.32	25.11	33.32	28.72	UL-RL	7686.	-0.4000	0.000	1.000	1.000	25.11	0.000	0.000	Strato1_2_8_L_0
4 D	4.831	-6.4485E-02	34.99	24.15	34.99	29.26	UL-RL	7686.	-0.6000	0.000	1.000	1.000	24.15	0.000	0.000	Strato1_2_8_L_0
5 D	5.440	-6.4095E-02	47.34	27.20	47.34	34.90	UL-RL	7686.	-0.8000	0.000	1.000	1.000	27.20	0.000	0.000	Strato1_2_8_L_0
6 D	5.236	-6.3705E-02	48.86	26.18	48.86	35.35	UL-RL	7686.	-1.000	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
7 D	5.604	-6.3316E-02	58.01	28.02	58.01	39.46	UL-RL	7686.	-1.200	0.000	1.000	1.000	28.02	0.000	0.000	Strato1_2_8_L_0
8 D	5.418	-6.2928E-02	59.77	27.09	59.77	40.03	UL-RL	7686.	-1.400	0.000	1.000	1.000	27.09	0.000	0.000	Strato1_2_8_L_0
9 D	5.623	-6.2540E-02	66.55	28.12	66.55	43.00	UL-RL	7686.	-1.600	0.000	1.000	1.000	28.12	0.000	0.000	Strato1_2_8_L_0
10 D	5.620	-6.2155E-02	68.65	28.10	68.65	43.72	UL-RL	7686.	-1.800	0.000	1.000	1.000	28.10	0.000	0.000	Strato1_2_8_L_0
11 D	5.971	-6.1771E-02	75.51	29.86	75.51	46.71	UL-RL	7686.	-2.000	0.000	1.000	1.000	29.86	0.000	0.000	Strato1_2_8_L_0

12 D	5.978	-6.1389E-02	77.80	29.89	77.80	47.50	UL-RL	7686.	-2.200	0.000	1.000	1.000	29.89
0.000	0.000	Strato1_2_8_L_0											
13 D	6.306	-6.1010E-02	84.08	31.53	84.08	50.18	ACTIVE	0.000	-2.400	0.000	1.000	1.000	31.53
0.000	0.000	Strato1_2_8_L_0											
14 D	6.488	-6.0634E-02	86.51	32.44	86.51	51.02	ACTIVE	0.000	-2.600	0.000	1.000	1.000	32.44
0.000	0.000	Strato1_2_8_L_0											
15 D	6.929	-6.0263E-02	92.39	34.65	92.39	53.48	ACTIVE	0.000	-2.800	0.000	1.000	1.000	34.65
0.000	0.000	Strato1_2_8_L_0											
16 D	7.085	-5.9896E-02	94.47	35.43	94.47	54.11	ACTIVE	0.000	-3.000	0.000	1.000	1.000	35.43
0.000	0.000	Strato1_2_8_L_0											
17 D	7.507	-5.9534E-02	100.1	37.53	100.1	56.41	ACTIVE	0.000	-3.200	0.000	1.000	1.000	37.53
0.000	0.000	Strato1_2_8_L_0											
18 D	7.709	-5.9176E-02	102.8	38.54	102.8	57.29	ACTIVE	0.000	-3.400	0.000	1.000	1.000	38.54
0.000	0.000	Strato1_2_8_L_0											
19 D	8.113	-5.8819E-02	108.2	40.57	108.2	59.45	ACTIVE	0.000	-3.600	0.000	1.000	1.000	40.57
0.000	0.000	Strato1_2_8_L_0											
20 D	8.322	-5.8461E-02	111.0	41.61	111.0	60.35	ACTIVE	0.000	-3.800	0.000	1.000	1.000	41.61
0.000	0.000	Strato1_2_8_L_0											
21 D	8.713	-5.8100E-02	116.2	43.57	116.2	62.40	ACTIVE	0.000	-4.000	0.000	1.000	1.000	43.57
0.000	0.000	Strato1_2_8_L_0											
22 D	8.927	-5.7736E-02	119.0	44.64	119.0	63.33	ACTIVE	0.000	-4.200	0.000	1.000	1.000	44.64
0.000	0.000	Strato1_2_8_L_0											
23 D	9.308	-5.7365E-02	124.1	46.54	124.1	65.78	ACTIVE	0.000	-4.400	0.000	1.000	1.000	46.54
0.000	0.000	Strato1_2_8_L_0											
24 D	9.503	-5.6987E-02	126.7	47.52	126.7	67.16	ACTIVE	0.000	-4.600	0.000	1.000	1.000	47.52
0.000	0.000	Strato1_2_8_L_0											
25 D	9.876	-5.6599E-02	131.7	49.38	131.7	69.79	ACTIVE	0.000	-4.800	0.000	1.000	1.000	49.38
0.000	0.000	Strato1_2_8_L_0											
26 D	10.10	-5.6201E-02	134.7	50.50	134.7	71.38	ACTIVE	0.000	-5.000	0.000	1.000	1.000	50.50
0.000	0.000	Strato1_2_8_L_0											
27 D	10.47	-5.5790E-02	139.5	52.33	139.5	73.96	ACTIVE	0.000	-5.200	0.000	1.000	1.000	52.33
0.000	0.000	Strato1_2_8_L_0											
28 D	10.69	-5.5366E-02	142.6	53.47	142.6	75.57	ACTIVE	0.000	-5.400	0.000	1.000	1.000	53.47
0.000	0.000	Strato1_2_8_L_0											
29 D	11.05	-5.4928E-02	147.4	55.26	147.4	78.10	ACTIVE	0.000	-5.600	0.000	1.000	1.000	55.26
0.000	0.000	Strato1_2_8_L_0											
30 D	11.28	-5.4474E-02	150.4	56.42	150.4	79.74	ACTIVE	0.000	-5.800	0.000	1.000	1.000	56.42
0.000	0.000	Strato1_2_8_L_0											
31 D	11.62	-5.4004E-02	154.9	58.09	154.9	82.11	ACTIVE	0.000	-6.000	0.000	1.000	1.000	58.09
0.000	0.000	Strato1_2_8_L_0											
32 D	11.85	-5.3516E-02	158.0	59.27	158.0	83.76	ACTIVE	0.000	-6.200	0.000	1.000	1.000	59.27
0.000	0.000	Strato1_2_8_L_0											
33 D	12.20	-5.3010E-02	162.7	61.01	162.7	86.23	ACTIVE	0.000	-6.400	0.000	1.000	1.000	61.01
0.000	0.000	Strato1_2_8_L_0											
34 D	12.44	-5.2485E-02	165.9	62.20	165.9	87.91	ACTIVE	0.000	-6.600	0.000	1.000	1.000	62.20
0.000	0.000	Strato1_2_8_L_0											
35 D	12.79	-5.1941E-02	170.5	63.93	170.5	90.35	ACTIVE	0.000	-6.800	0.000	1.000	1.000	63.93
0.000	0.000	Strato1_2_8_L_0											
36 D	13.02	-5.1378E-02	173.7	65.12	173.7	92.04	ACTIVE	0.000	-7.000	0.000	1.000	1.000	65.12
0.000	0.000	Strato1_2_8_L_0											
37 D	13.37	-5.0794E-02	178.2	66.83	178.2	94.46	ACTIVE	0.000	-7.200	0.000	1.000	1.000	66.83
0.000	0.000	Strato1_2_8_L_0											
38 D	13.61	-5.0190E-02	181.4	68.04	181.4	96.16	ACTIVE	0.000	-7.400	0.000	1.000	1.000	68.04
0.000	0.000	Strato1_2_8_L_0											
39 D	13.93	-4.9566E-02	185.8	69.66	185.8	98.45	ACTIVE	0.000	-7.600	0.000	1.000	1.000	69.66
0.000	0.000	Strato1_2_8_L_0											
40 D	14.18	-4.8922E-02	189.0	70.88	189.0	100.2	ACTIVE	0.000	-7.800	0.000	1.000	1.000	70.88
0.000	0.000	Strato1_2_8_L_0											
41 D	14.51	-4.8258E-02	193.5	72.56	193.5	102.5	ACTIVE	0.000	-8.000	0.000	1.000	1.000	72.56
0.000	0.000	Strato1_2_8_L_0											
42 D	14.76	-4.7574E-02	196.8	73.79	196.8	104.3	ACTIVE	0.000	-8.200	0.000	1.000	1.000	73.79
0.000	0.000	Strato1_2_8_L_0											
43 D	15.09	-4.6872E-02	201.2	75.45	201.2	106.6	ACTIVE	0.000	-8.400	0.000	1.000	1.000	75.45
0.000	0.000	Strato1_2_8_L_0											
44 D	15.34	-4.6151E-02	204.5	76.69	204.5	108.4	ACTIVE	0.000	-8.600	0.000	1.000	1.000	76.69
0.000	0.000	Strato1_2_8_L_0											
45 D	15.67	-4.5413E-02	208.9	78.34	208.9	110.7	ACTIVE	0.000	-8.800	0.000	1.000	1.000	78.34
0.000	0.000	Strato1_2_8_L_0											
46 D	15.91	-4.4658E-02	212.1	79.53	212.1	112.4	ACTIVE	0.000	-9.000	0.000	1.000	1.000	79.53
0.000	0.000	Strato1_2_8_L_0											
47 D	16.23	-4.3887E-02	216.5	81.17	216.5	114.7	ACTIVE	0.000	-9.200	0.000	1.000	1.000	81.17
0.000	0.000	Strato1_2_8_L_0											
48 D	16.48	-4.3099E-02	219.8	82.42	219.8	116.5	ACTIVE	0.000	-9.400	0.000	1.000	1.000	82.42
0.000	0.000	Strato1_2_8_L_0											
49 D	16.81	-4.2293E-02	224.2	84.06	224.2	118.8	ACTIVE	0.000	-9.600	0.000	1.000	1.000	84.06
0.000	0.000	Strato1_2_8_L_0											
50 D	17.06	-4.1467E-02	227.5	85.32	227.5	120.6	ACTIVE	0.000	-9.800	0.000	1.000	1.000	85.32
0.000	0.000	Strato1_2_8_L_0											
51 D	17.39	-4.0621E-02	231.8	86.94	231.8	122.9	ACTIVE	0.000	-10.00	0.000	1.000	1.000	86.94
0.000	0.000	Strato1_2_8_L_0											
52 D	17.64	-3.9753E-02	235.2	88.20	235.2	124.7	ACTIVE	0.000	-10.20	0.000	1.000	1.000	88.20
0.000	0.000	Strato1_2_8_L_0											
53 D	17.96	-3.8863E-02	239.5	89.82	239.5	126.9	ACTIVE	0.000	-10.40	0.000	1.000	1.000	89.82
0.000	0.000	Strato1_2_8_L_0											
54 D	18.21	-3.7950E-02	242.8	91.04	242.8	128.7	ACTIVE	0.000	-10.60	0.000	1.000	1.000	

91.04	0.000	0.000	Strato1_2_8_L_0									
55 D	18.53	-3.7015E-02	247.1	92.65	247.1	130.9	ACTIVE	0.000	-10.80	0.000	1.000	1.000
92.65	0.000	0.000	Strato1_2_8_L_0									
56 D	18.78	-3.6055E-02	250.5	93.92	250.5	132.7	ACTIVE	0.000	-11.00	0.000	1.000	1.000
93.92	0.000	0.000	Strato1_2_8_L_0									
57 D	19.11	-3.5073E-02	254.7	95.53	254.7	135.0	ACTIVE	0.000	-11.20	0.000	1.000	1.000
95.53	0.000	0.000	Strato1_2_8_L_0									
58 D	19.36	-3.4067E-02	258.2	96.81	258.2	136.8	ACTIVE	0.000	-11.40	0.000	1.000	1.000
96.81	0.000	0.000	Strato1_2_8_L_0									
59 D	19.68	-3.3039E-02	262.4	98.41	262.4	139.1	ACTIVE	0.000	-11.60	0.000	1.000	1.000
98.41	0.000	0.000	Strato1_2_8_L_0									
60 D	19.94	-3.1988E-02	265.8	99.69	265.8	140.9	ACTIVE	0.000	-11.80	0.000	1.000	1.000
99.69	0.000	0.000	Strato1_2_8_L_0									
61 D	20.25	-3.0916E-02	270.0	101.2	270.0	143.1	ACTIVE	0.000	-12.00	0.000	1.000	1.000
101.2	0.000	0.000	Strato1_2_8_L_0									
62 D	20.50	-2.9823E-02	273.4	102.5	273.4	144.9	ACTIVE	0.000	-12.20	0.000	1.000	1.000
102.5	0.000	0.000	Strato1_2_8_L_0									
63 D	20.82	-2.8710E-02	277.6	104.1	277.6	147.1	ACTIVE	0.000	-12.40	0.000	1.000	1.000
104.1	0.000	0.000	Strato1_2_8_L_0									
64 D	21.08	-2.7579E-02	281.1	105.4	281.1	149.0	ACTIVE	0.000	-12.60	0.000	1.000	1.000
105.4	0.000	0.000	Strato1_2_8_L_0									
65 D	21.40	-2.6431E-02	285.3	107.0	285.3	151.2	ACTIVE	0.000	-12.80	0.000	1.000	1.000
107.0	0.000	0.000	Strato1_2_8_L_0									
66 D	21.66	-2.5268E-02	288.7	108.3	288.7	153.0	ACTIVE	0.000	-13.00	0.000	1.000	1.000
108.3	0.000	0.000	Strato1_2_8_L_0									
67 D	14.08	-2.4092E-02	293.0	70.39	293.0	146.5	ACTIVE	0.000	-13.20	0.000	1.000	1.000
70.39	0.000	0.000	Strato2_3095_82743_L_0									
68 D	14.30	-2.2904E-02	296.7	71.49	296.7	148.4	ACTIVE	0.000	-13.40	0.000	1.000	1.000
71.49	0.000	0.000	Strato2_3095_82743_L_0									
69 D	14.55	-2.1708E-02	301.0	72.77	301.0	150.5	ACTIVE	0.000	-13.60	0.000	1.000	1.000
72.77	0.000	0.000	Strato2_3095_82743_L_0									
70 D	14.77	-2.0504E-02	304.7	73.87	304.7	152.3	ACTIVE	0.000	-13.80	0.000	1.000	1.000
73.87	0.000	0.000	Strato2_3095_82743_L_0									
71 D	15.04	-1.9295E-02	309.0	75.19	309.0	154.5	ACTIVE	0.000	-14.00	0.000	1.000	1.000
75.19	0.000	0.000	Strato2_3095_82743_L_0									
72 D	15.26	-1.8083E-02	312.7	76.29	312.7	156.4	ACTIVE	0.000	-14.20	0.000	1.000	1.000
76.29	0.000	0.000	Strato2_3095_82743_L_0									
73 D	15.52	-1.6869E-02	317.1	77.60	317.1	158.5	ACTIVE	0.000	-14.40	0.000	1.000	1.000
77.60	0.000	0.000	Strato2_3095_82743_L_0									
74 D	15.74	-1.5656E-02	320.8	78.71	320.8	160.4	ACTIVE	0.000	-14.60	0.000	1.000	1.000
78.71	0.000	0.000	Strato2_3095_82743_L_0									
75 D	16.00	-1.4444E-02	325.1	80.02	325.1	162.6	ACTIVE	0.000	-14.80	0.000	1.000	1.000
80.02	0.000	0.000	Strato2_3095_82743_L_0									
76 D	16.22	-1.3235E-02	328.7	81.10	328.7	164.4	ACTIVE	0.000	-15.00	0.000	1.000	1.000
81.10	0.000	0.000	Strato2_3095_82743_L_0									
77 D	16.48	-1.2030E-02	333.1	82.40	333.1	166.5	ACTIVE	0.000	-15.20	0.000	1.000	1.000
82.40	0.000	0.000	Strato2_3095_82743_L_0									
78 D	16.70	-1.0830E-02	336.8	83.51	336.8	168.4	ACTIVE	0.000	-15.40	0.000	1.000	1.000
83.51	0.000	0.000	Strato2_3095_82743_L_0									
79 D	16.96	-9.6348E-03	341.1	84.82	341.1	170.6	ACTIVE	0.000	-15.60	0.000	1.000	1.000
84.82	0.000	0.000	Strato2_3095_82743_L_0									
80 D	17.19	-8.4450E-03	344.9	85.93	344.9	172.4	ACTIVE	0.000	-15.80	0.000	1.000	1.000
85.93	0.000	0.000	Strato2_3095_82743_L_0									
81 D	17.45	-7.2609E-03	349.2	87.23	349.2	174.6	ACTIVE	0.000	-16.00	0.000	1.000	1.000
87.23	0.000	0.000	Strato2_3095_82743_L_0									
82 D	17.71	-6.0823E-03	353.5	88.53	353.5	176.8	ACTIVE	0.000	-16.20	0.000	1.000	1.000
88.53	0.000	0.000	Strato2_3095_82743_L_0									
83 D	17.93	-4.9089E-03	357.2	89.64	357.2	178.6	ACTIVE	0.000	-16.40	0.000	1.000	1.000
89.64	0.000	0.000	Strato2_3095_82743_L_0									
84 D	18.18	-3.7404E-03	361.5	90.91	361.5	180.7	ACTIVE	0.000	-16.60	0.000	1.000	1.000
90.91	0.000	0.000	Strato2_3095_82743_L_0									
85 D	21.91	-2.5761E-03	365.2	109.5	365.2	182.6	UL-RL	2.1331E+04	-16.80	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
86 D	25.71	-1.4154E-03	369.5	128.5	369.5	188.6	UL-RL	2.1331E+04	-17.00	0.000	1.000	1.000
128.5	0.000	0.000	Strato2_3095_82743_L_0									
87 D	28.82	-2.5752E-04	373.2	144.1	373.2	195.8	UL-RL	2.1331E+04	-17.20	0.000	1.000	1.000
144.1	0.000	0.000	Strato2_3095_82743_L_0									
88 D	31.98	8.9843E-04	377.5	159.9	377.5	203.4	UL-RL	2.1331E+04	-17.40	0.000	1.000	1.000
159.9	0.000	0.000	Strato2_3095_82743_L_0									
89 D	35.08	2.0531E-03	381.3	175.4	381.3	210.6	UL-RL	2.1331E+04	-17.60	0.000	1.000	1.000
175.4	0.000	0.000	Strato2_3095_82743_L_0									
90 D	38.24	3.2072E-03	385.6	191.2	385.6	218.1	UL-RL	2.1331E+04	-17.80	0.000	1.000	1.000
191.2	0.000	0.000	Strato2_3095_82743_L_0									
91 D	20.67	4.3611E-03	389.2	206.7	389.2	225.3	UL-RL	2.1331E+04	-18.00	0.000	1.000	1.000
206.7	0.000	0.000	Strato2_3095_82743_L_0									

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 91
C U R R E N T T I M E I S 7.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available

35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45	0.000	--	--	--	--	--	REMOVED	--	-8.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
46	0.000	--	--	--	--	--	REMOVED	--	-9.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
47	0.000	--	--	--	--	--	REMOVED	--	-9.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
48	0.000	--	--	--	--	--	REMOVED	--	-9.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
49	0.000	--	--	--	--	--	REMOVED	--	-9.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
50	0.000	--	--	--	--	--	REMOVED	--	-9.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
51	0.000	--	--	--	--	--	REMOVED	--	-10.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
52	0.000	--	--	--	--	--	REMOVED	--	-10.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
53	0.000	--	--	--	--	--	REMOVED	--	-10.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
54	0.000	--	--	--	--	--	REMOVED	--	-10.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
55	0.000	--	--	--	--	--	REMOVED	--	-10.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
56	0.000	--	--	--	--	--	REMOVED	--	-11.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
57	0.000	--	--	--	--	--	REMOVED	--	-11.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
58	0.000	--	--	--	--	--	REMOVED	--	-11.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
59	0.000	--	--	--	--	--	REMOVED	--	-11.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
60	0.000	--	--	--	--	--	REMOVED	--	-11.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
61	0.000	--	--	--	--	--	REMOVED	--	-12.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
62	0.000	--	--	--	--	--	REMOVED	--	-12.20	0.000	1.000	1.000	0.000	0.000	0.000	not available
63	0.000	--	--	--	--	--	REMOVED	--	-12.40	0.000	1.000	1.000	0.000	0.000	0.000	not available
64	0.000	--	--	--	--	--	REMOVED	--	-12.60	0.000	1.000	1.000	0.000	0.000	0.000	not available
65	0.000	--	--	--	--	--	REMOVED	--	-12.80	0.000	1.000	1.000	0.000	0.000	0.000	not available
66	0.000	--	--	--	--	--	REMOVED	--	-13.00	0.000	1.000	1.000	0.000	0.000	0.000	not available
67 D	14.60	2.4092E-02	2.000	73.01	250.9	195.3	PASSIVE	0.000	-13.20	0.000	1.000	1.000	73.01	0.000	0.000	Strato2_3095_82743_L_0
68 D	17.88	2.2904E-02	6.000	89.42	254.9	191.8	PASSIVE	0.000	-13.40	0.000	1.000	1.000	89.42	0.000	0.000	Strato2_3095_82743_L_0
69 D	21.17	2.1708E-02	10.00	105.8	258.9	188.4	PASSIVE	0.000	-13.60	0.000	1.000	1.000	105.8	0.000	0.000	Strato2_3095_82743_L_0
70 D	24.45	2.0504E-02	14.00	122.2	262.9	185.1	PASSIVE	0.000	-13.80	0.000	1.000	1.000	122.2	0.000	0.000	Strato2_3095_82743_L_0
71 D	27.73	1.9295E-02	18.00	138.6	266.9	181.8	PASSIVE	0.000	-14.00	0.000	1.000	1.000	138.6	0.000	0.000	Strato2_3095_82743_L_0
72 D	31.01	1.8083E-02	22.00	155.1	270.9	178.7	PASSIVE	0.000	-14.20	0.000	1.000	1.000	155.1	0.000	0.000	Strato2_3095_82743_L_0
73 D	34.29	1.6869E-02	26.00	171.5	274.9	175.7	PASSIVE	0.000	-14.40	0.000	1.000	1.000	171.5	0.000	0.000	Strato2_3095_82743_L_0
74 D	37.57	1.5656E-02	30.00	187.9	278.9	187.9	PASSIVE	0.000	-14.60	0.000	1.000	1.000	187.9	0.000	0.000	Strato2_3095_82743_L_0
75 D	40.86	1.4444E-02	34.00	204.3	282.9	204.3	PASSIVE	0.000	-14.80	0.000	1.000	1.000	204.3	0.000	0.000	Strato2_3095_82743_L_0
76 D	41.64	1.3235E-02	38.00	208.2	286.9	208.2	V-C	8969.	-15.00	0.000	1.000	1.000	208.2	0.000	0.000	Strato2_3095_82743_L_0
77 D	40.59	1.2030E-02	42.00	202.9	290.9	202.9	V-C	8969.	-15.20	0.000	1.000	1.000				

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202.9       0.000       0.000     Strato2_3095_82743_L_0
  78 D   39.53      1.0830E-02   46.00       197.7       294.9       197.7            V-C   8969.      -15.40       0.000       1.000       1.000
197.7       0.000       0.000     Strato2_3095_82743_L_0
  79 D   38.47      9.6348E-03   50.00       192.4       298.9       192.4            V-C   8969.      -15.60       0.000       1.000       1.000
192.4       0.000       0.000     Strato2_3095_82743_L_0
  80 D   37.41      8.4450E-03   54.00       187.1       302.9       187.1            V-C   8969.      -15.80       0.000       1.000       1.000
187.1       0.000       0.000     Strato2_3095_82743_L_0
  81 D   36.35      7.2609E-03   58.00       181.8       306.9       181.8            V-C   8969.      -16.00       0.000       1.000       1.000
181.8       0.000       0.000     Strato2_3095_82743_L_0
  82 D   35.29      6.0823E-03   62.00       176.5       310.9       176.5            V-C   8969.      -16.20       0.000       1.000       1.000
176.5       0.000       0.000     Strato2_3095_82743_L_0
  83 D   34.23      4.9089E-03   66.00       171.2       314.9       171.2            V-C   8969.      -16.40       0.000       1.000       1.000
171.2       0.000       0.000     Strato2_3095_82743_L_0
  84 D   33.17      3.7404E-03   70.00       165.9       318.9       165.9            V-C   8969.      -16.60       0.000       1.000       1.000
165.9       0.000       0.000     Strato2_3095_82743_L_0
  85 D   30.33      2.5761E-03   74.00       151.7       322.9       165.0          UL-RL   2.6908E+04 -16.80       0.000       1.000       1.000
151.7       0.000       0.000     Strato2_3095_82743_L_0
  86 D   26.40      1.4154E-03   78.00       132.0       326.9       167.0          UL-RL   2.6908E+04 -17.00       0.000       1.000       1.000
132.0       0.000       0.000     Strato2_3095_82743_L_0
  87 D   22.47      2.5752E-04   82.00       112.3       330.9       168.9          UL-RL   2.6908E+04 -17.20       0.000       1.000       1.000
112.3       0.000       0.000     Strato2_3095_82743_L_0
  88 D   18.54     -8.9843E-04   86.00       92.69       334.9       170.8          UL-RL   2.6908E+04 -17.40       0.000       1.000       1.000
92.69       0.000       0.000     Strato2_3095_82743_L_0
  89 D   14.61     -2.0531E-03   90.00       73.03       338.9       172.7          UL-RL   2.6908E+04 -17.60       0.000       1.000       1.000
73.03       0.000       0.000     Strato2_3095_82743_L_0
  90 D   10.67     -3.2072E-03   94.00       53.35       342.9       174.6          UL-RL   2.6908E+04 -17.80       0.000       1.000       1.000
53.35       0.000       0.000     Strato2_3095_82743_L_0
  91 D   3.365     -4.3611E-03   98.00       33.65       346.9       176.6          UL-RL   2.6908E+04 -18.00       0.000       1.000       1.000
33.65       0.000       0.000     Strato2_3095_82743_L_0
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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                   Exe Time :29 July 2019      18:00:09                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   90
 C U R R E N T   T I M E   I S     7.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  1.9114     -1.9114    -3.29832E-10 0.38228
     2  5.5307     -5.5307    -0.38228      1.4884
     3  10.553     -10.553     -1.4884      3.5989
     4  15.383     -15.383     -3.5989      6.6756
     5  20.823     -20.823     -6.6756      10.840
     6  26.058     -26.058     -10.840      16.052
     7  31.663     -31.663     -16.052      22.384
     8  37.080     -37.080     -22.384      29.800
     9  42.703     -42.703     -29.800      38.341
    10  48.323     -48.323     -38.341      48.006
    11  54.294     -54.294     -48.006      58.864
    12  60.272     -60.272     -58.864      70.919
    13  66.578     -66.578     -70.919      84.234
    14  73.066     -73.066     -84.234      98.848
    15  79.995     -79.995     -98.848      114.85
    16 -221.92      221.92     -114.85      70.463
    17 -214.41      214.41     -70.463      27.580
    18 -206.70      206.70     -27.580     -13.761
    19 -198.59      198.59      13.761     -53.479
    20 -190.27      190.27      53.479     -91.532
    21 -181.56      181.56      91.532     -127.84
    22 -172.63      172.63      127.84     -162.37
    23 -163.32      163.32      162.37     -195.03
    24 -153.82      153.82      195.03     -225.80
    25 -143.94      143.94      225.80     -254.58
    26 -133.84      133.84      254.58     -281.35
    27 -123.38      123.38      281.35     -306.03
    28 -112.68      112.68      306.03     -328.56
    29 -101.63      101.63      328.56     -348.89
    30 -90.346      90.346      348.89     -366.96
    31 -78.727      78.727      366.96     -382.70
    32 -66.874      66.874      382.70     -396.08
    33 -54.671      54.671      396.08     -407.01
```

34	-42.231	42.231	407.01	-415.46
35	-29.446	29.446	415.46	-421.35
36	-16.421	16.421	421.35	-424.63
37	-3.0543	3.0543	424.63	-425.24
38	10.554	-10.554	425.24	-423.13
39	24.486	-24.486	423.13	-418.24
40	38.662	-38.662	418.24	-410.50
41	53.174	-53.174	410.50	-399.87
42	67.931	-67.931	399.87	-386.28
43	83.022	-83.022	386.28	-369.68
44	98.360	-98.360	369.68	-350.01
45	114.03	-114.03	350.01	-327.20
46	-158.74	158.74	327.20	-358.95
47	-142.50	142.50	358.95	-387.45
48	-126.02	126.02	387.45	-412.65
49	-109.21	109.21	412.65	-434.49
50	-92.145	92.145	434.49	-452.92
51	-74.757	74.757	452.92	-467.88
52	-57.116	57.116	467.88	-479.30
53	-39.152	39.152	479.30	-487.13
54	-20.944	20.944	487.13	-491.32
55	-2.4141	2.4141	491.32	-491.80
56	16.371	-16.371	491.80	-488.53
57	35.476	-35.476	488.53	-481.43
58	54.838	-54.838	481.43	-470.46
59	74.519	-74.519	470.46	-455.56
60	94.457	-94.457	455.56	-436.67
61	114.70	-114.70	436.67	-413.73
62	135.21	-135.21	413.73	-386.69
63	156.03	-156.03	386.69	-355.48
64	177.11	-177.11	355.48	-320.06
65	198.51	-198.51	320.06	-280.36
66	220.16	-220.16	280.36	-236.32
67	219.64	-219.64	236.32	-192.40
68	216.05	-216.05	192.40	-149.19
69	209.44	-209.44	149.19	-107.30
70	199.76	-199.76	107.30	-67.347
71	187.07	-187.07	67.347	-29.932
72	171.32	-171.32	29.932	4.3300
73	152.55	-152.55	-4.3300	34.839
74	130.72	-130.72	-34.839	60.983
75	105.86	-105.86	-60.983	82.155
76	80.446	-80.446	-82.155	98.244
77	56.338	-56.338	-98.244	109.51
78	33.508	-33.508	-109.51	116.21
79	11.997	-11.997	-116.21	118.61
80	-8.2308	8.2308	-118.61	116.97
81	-27.138	27.138	-116.97	111.54
82	-44.725	44.725	-111.54	102.59
83	-61.029	61.029	-102.59	90.389
84	-76.021	76.021	-90.389	75.184
85	-84.449	84.449	-75.184	58.294
86	-85.141	85.141	-58.294	41.266
87	-78.794	78.794	-41.266	25.507
88	-65.354	65.354	-25.507	12.436
89	-44.876	44.876	-12.436	3.4608
90	-17.304	17.304	-3.4608	1.38035E-11

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:00:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------
ANCHOR    1   319.90     -1.30818E-03  4.40085E-02   0.0000       3950.0       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
```

```
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      18:00:09                                               |
+---------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    5

Tirante2_1507                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      7.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   298.86     -2.75144E-03  4.97739E-03   0.0000       6321.2       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+---------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      18:00:09                                               |
+---------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       5
        3           CONVERGENCE :YES                       6
        4           CONVERGENCE :YES                       4
        5           CONVERGENCE :YES                       7
        6           CONVERGENCE :YES                       3
        7           CONVERGENCE :YES                       6


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.10 [sec]
DATABASE  CREATION CPU TIME.....    0.39 [sec]
```

3. SEZIONE 3 – PARATIA DI PALI

3.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:lunedì 29 luglio 2019 18:01:09
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -16 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -16 0 1 0
 SOIL 0_R LeftWall_32 -16 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0




 * 6.3: Strips
 STRIP LeftWall_32 2 5 0 40 0 10 30

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
```

```
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -16 0 0
ENDSTEP
```

3.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                   Exe Time :29 July 2019      18:01:09                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
```

```
                  *  Web Page    www.ceas.it                              *
                  ************************************************************



 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                      >
ACCEPTED   <FILE,PLOTTER,BINARY                                            >
ACCEPTED   <SOLVE TOTAL_STRESS                                             >
ACCEPTED   <PARAM ITEMAX 100                                               >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                  >


                  ************************************************************
                  *                                                          *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED     *
                  *    BY THE PROGRAM.                                       *
                  ************************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]


+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   88
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S     88
```

```
  1 : UNIT  m kN
  2 : TITLE New Project
  3 : DELTA 0.2
  4 : option param itemax 100
  5 : option control hinges 0 0.0001 0.001
  6 : WALL LeftWall_32 0 -16 0 1
  7 : SOIL 0_L LeftWall_32 -16 0 1 0
  8 : SOIL 0_R LeftWall_32 -16 0 2 180
  9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
 10 : ATREST 0.53 1 1
 11 : WEIGHT 19 9 10
 12 : PERMEABILITY 1E-06
 13 : RESISTANCE 0 29
 14 : YOUNG 2E+04 6E+04
 15 : ENDL
 16 : LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
 17 : ATREST 0.5 0.5 1
 18 : WEIGHT 20 10 10
 19 : PERMEABILITY 0.0001
 20 : RESISTANCE 20 35
 21 : YOUNG 5E+04 1.5E+05
 22 : ENDL
 23 : MATERIAL Fe360_108 2.06E+08
 24 : MATERIAL C2530_104 3.148E+07
 25 : MATERIAL acciaioarmonico_124 2.001E+08
 26 : MATERIAL C2025_103 2.996E+07
 27 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0
 28 : WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0
 29 : STRIP LeftWall_32 2 5 0 40 0 10 30
 30 : STEP Stage1_31
 31 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 32 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 33 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 34 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 35 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
 36 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
 37 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
 38 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 39 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
 40 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
 41 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
 42 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
 43 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 44 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 45 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
 46 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 47 : SETWALL LeftWall_32
 48 : GEOM 0 0
 49 : WATER -26 0 -16 0 0
 50 : ADD WallElement_33
 51 : ENDSTEP
 52 : STEP Stage2_755438
 53 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 54 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 55 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 56 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 57 : SETWALL LeftWall_32
 58 : GEOM 0 0
 59 : WATER -26 0 -16 0 0
 60 : ENDSTEP
 61 : STEP Stage3_158
 62 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 63 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 64 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 65 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 66 : SETWALL LeftWall_32
 67 : GEOM 0 -3.7
 68 : WATER -26 0 -16 0 0
 69 : ENDSTEP
 70 : STEP Stage4_617
 71 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 72 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 73 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 74 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 75 : SETWALL LeftWall_32
 76 : GEOM 0 -3.7
 77 : WATER -26 0 -16 0 0
 78 : ADD Tirante1_429
 79 : ENDSTEP
 80 : STEP Stage5_714
 81 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 82 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 83 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 84 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
```

```
   85 : SETWALL LeftWall_32
   86 : GEOM 0 -8.7
   87 : WATER -26 0 -16 0 0
   88 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:01:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000    -10.0000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:01:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                            :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
..........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
```

2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

+----------+

```
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      18:01:09                                                |
+----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1   0.1000      0.000     0.000     0.000     2.000
    2    2    1   0.2000      0.000     0.000     0.000     2.000
    3    3    1   0.2000      0.000     0.000     0.000     2.000
    4    4    1   0.2000      0.000     0.000     0.000     2.000
    5    5    1   0.2000      0.000     0.000     0.000     2.000
    6    6    1   0.2000      0.000     0.000     0.000     2.000
    7    7    1   0.2000      0.000     0.000     0.000     2.000
    8    8    1   0.2000      0.000     0.000     0.000     2.000
    9    9    1   0.2000      0.000     0.000     0.000     2.000
   10   10    1   0.2000      0.000     0.000     0.000     2.000
   11   11    1   0.2000      0.000     0.000     0.000     2.000
   12   12    1   0.2000      0.000     0.000     0.000     2.000
   13   13    1   0.2000      0.000     0.000     0.000     2.000
   14   14    1   0.2000      0.000     0.000     0.000     2.000
   15   15    1   0.2000      0.000     0.000     0.000     2.000
   16   16    1   0.2000      0.000     0.000     0.000     2.000
   17   17    1   0.2000      0.000     0.000     0.000     2.000
   18   18    1   0.2000      0.000     0.000     0.000     2.000
   19   19    1   0.2000      0.000     0.000     0.000     2.000
   20   20    1   0.2000      0.000     0.000     0.000     2.000
   21   21    1   0.2000      0.000     0.000     0.000     2.000
   22   22    1   0.2000      0.000     0.000     0.000     2.000
   23   23    1   0.2000      0.000     0.000     0.000     2.000
   24   24    1   0.2000      0.000     0.000     0.000     2.000
   25   25    1   0.2000      0.000     0.000     0.000     2.000
   26   26    1   0.2000      0.000     0.000     0.000     2.000
   27   27    1   0.2000      0.000     0.000     0.000     2.000
   28   28    1   0.2000      0.000     0.000     0.000     2.000
   29   29    1   0.2000      0.000     0.000     0.000     2.000
   30   30    1   0.2000      0.000     0.000     0.000     2.000
   31   31    1   0.2000      0.000     0.000     0.000     2.000
   32   32    1   0.2000      0.000     0.000     0.000     2.000
   33   33    1   0.2000      0.000     0.000     0.000     2.000
   34   34    1   0.2000      0.000     0.000     0.000     2.000
   35   35    1   0.2000      0.000     0.000     0.000     2.000
   36   36    1   0.2000      0.000     0.000     0.000     2.000
   37   37    1   0.2000      0.000     0.000     0.000     2.000
   38   38    1   0.2000      0.000     0.000     0.000     2.000
   39   39    1   0.2000      0.000     0.000     0.000     2.000
   40   40    1   0.2000      0.000     0.000     0.000     2.000
   41   41    1   0.2000      0.000     0.000     0.000     2.000
   42   42    1   0.2000      0.000     0.000     0.000     2.000
   43   43    1   0.2000      0.000     0.000     0.000     2.000
   44   44    1   0.2000      0.000     0.000     0.000     2.000
   45   45    2   0.2000      0.000     0.000     0.000     2.000
```

46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                              |
|                                  Exe Time :29 July 2019      18:01:09                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------
```

1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000

```
|                                     NewProject.BaseDesignSection_28.Nominal_63                                  |
|                                 Exe Time :29 July 2019      18:01:09                                           |
+-------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                      :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
....................................
..........2D POST-TENSION ANCHOR....
....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step    -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el     n  mat       a/l      pinit     yieldc     yieldt
-------------------------------------------------------

    1   17    1   0.1316E-04 93.94     0.000      0.000



+-------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                             |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                  |
|                                 Exe Time :29 July 2019      18:01:09                                           |
+-------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ..................    0
NO. OF LOAD CURVES  (NLCUR) ..................   10
MAXIMUM POINTS/LCURVE  (NPTM)..................    5



+-------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                             |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                  |
|                                 Exe Time :29 July 2019      18:01:09                                           |
+-------------------------------------------------------------------------------------------------------------+
L O A D    D A T A



    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE       FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
```

```
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   2.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    3
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   3.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   6.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   6.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   6.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
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L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                      LOAD INPUT SECTION COMPLETED




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1
```

```
 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2
```

```
ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4
```

```
 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)
```

```
 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                   Exe Time :29 July 2019      18:01:09                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                          0.000         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
UPHILL DELTA/PHI RATIO                0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]     0.000         0.000
DOWNHILL DELTA/PHI RATIO              0.000         0.000
DYN.WATER BEHAVIOUR                   0.000         0.000
Excess pore pressure RATIO Ru         0.000         0.000
SEISMIC PRESSURE LOWER VALUE          0.000         0.000
SEISMIC PRESSURE UPPER VALUE          0.000         0.000
SEISMIC PRESSURE LOWER LEVEL          0.000         0.000
SEISMIC PRESSURE UPPER LEVEL          0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                     LEFT WALL    RIGHT WALL
```

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30

ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

LEFT-HAND WALL

LOWER LEVEL -16.00000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -16.00000
UPPER LEVEL 0.00000

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|                                   Exe Time :29 July 2019      18:01:09                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

             S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                             2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH     (B)           40.0000000000000
 ZETA-F..........                  0.000000000000000E+000
 Q-F ............                   10.0000000000000
 BETA ...........                   30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3781

 NO. OF D.P.W  FOR THIS AREA        9608
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER      0 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000      REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000      RATIOR= 0.000
           MAX UN= 0.000      IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000      IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      1 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000      REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000      RATIOR= 0.000
           MAX UN= 0.000      IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000      IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      2 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000      REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000      RATIOR= 0.000
           MAX UN= 0.000      IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000      IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                    Exe Time :29 July 2019      18:01:09                                                 |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F         X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                    Exe Time :29 July 2019      18:01:09                                                 |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                                :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T    T I M E    I S       1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.5916E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.5916E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.5916E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.5916E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.5916E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.5916E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.5916E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.5916E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.5916E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.5916E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.5916E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.5916E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.5916E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.5916E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.5916E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.5916E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.5916E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.5916E+04	-3.400	0.000	1.000	1.000				

34.24	0.000	0.000	Strato1_2_8_L_0										
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.5916E+04	-3.600	0.000	1.000	1.000	
36.25	0.000	0.000	Strato1_2_8_L_0										
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.5916E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.5916E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.5916E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.5916E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.5916E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.5916E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.5916E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.5916E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.5916E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.5916E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.5916E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.5916E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.5916E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.5916E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.5916E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.5916E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.5916E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.5916E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.5916E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.5916E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.5916E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.5916E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.5916E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.5916E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.5916E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	4.5023E+04	-8.800	0.000	1.000	1.000	
83.65	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	4.5023E+04	-9.000	0.000	1.000	1.000	
85.65	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	4.5023E+04	-9.200	0.000	1.000	1.000	
87.65	0.000	0.000	Strato2_3095_82743_L_0										
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	4.5023E+04	-9.400	0.000	1.000	1.000	
89.65	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	4.5023E+04	-9.600	0.000	1.000	1.000	
91.65	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	4.5023E+04	-9.800	0.000	1.000	1.000	
93.65	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	4.5023E+04	-10.00	0.000	1.000	1.000	
95.65	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	4.5023E+04	-10.20	0.000	1.000	1.000	
97.65	0.000	0.000	Strato2_3095_82743_L_0										
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	4.5023E+04	-10.40	0.000	1.000	1.000	
99.65	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	4.5023E+04	-10.60	0.000	1.000	1.000	
101.6	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	4.5023E+04	-10.80	0.000	1.000	1.000	
103.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	4.5023E+04	-11.00	0.000	1.000	1.000	
105.6	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	4.5023E+04	-11.20	0.000	1.000	1.000	
107.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	4.5023E+04	-11.40	0.000	1.000	1.000	
109.6	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	4.5023E+04	-11.60	0.000	1.000	1.000	
111.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	4.5023E+04	-11.80	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										

61 D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	4.5023E+04	-12.00	0.000	1.000	1.000	115.6	0.000	0.000	Strato2_3095_82743_L_0
62 D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	4.5023E+04	-12.20	0.000	1.000	1.000	117.6	0.000	0.000	Strato2_3095_82743_L_0
63 D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	4.5023E+04	-12.40	0.000	1.000	1.000	119.6	0.000	0.000	Strato2_3095_82743_L_0
64 D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	4.5023E+04	-12.60	0.000	1.000	1.000	121.6	0.000	0.000	Strato2_3095_82743_L_0
65 D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	4.5023E+04	-12.80	0.000	1.000	1.000	123.6	0.000	0.000	Strato2_3095_82743_L_0
66 D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	4.5023E+04	-13.00	0.000	1.000	1.000	125.6	0.000	0.000	Strato2_3095_82743_L_0
67 D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	4.5023E+04	-13.20	0.000	1.000	1.000	127.6	0.000	0.000	Strato2_3095_82743_L_0
68 D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	4.5023E+04	-13.40	0.000	1.000	1.000	129.6	0.000	0.000	Strato2_3095_82743_L_0
69 D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	4.5023E+04	-13.60	0.000	1.000	1.000	131.6	0.000	0.000	Strato2_3095_82743_L_0
70 D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	4.5023E+04	-13.80	0.000	1.000	1.000	133.6	0.000	0.000	Strato2_3095_82743_L_0
71 D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	4.5023E+04	-14.00	0.000	1.000	1.000	135.6	0.000	0.000	Strato2_3095_82743_L_0
72 D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	4.5023E+04	-14.20	0.000	1.000	1.000	137.6	0.000	0.000	Strato2_3095_82743_L_0
73 D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	4.5023E+04	-14.40	0.000	1.000	1.000	139.6	0.000	0.000	Strato2_3095_82743_L_0
74 D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	4.5023E+04	-14.60	0.000	1.000	1.000	141.6	0.000	0.000	Strato2_3095_82743_L_0
75 D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	4.5023E+04	-14.80	0.000	1.000	1.000	143.6	0.000	0.000	Strato2_3095_82743_L_0
76 D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	4.5023E+04	-15.00	0.000	1.000	1.000	145.6	0.000	0.000	Strato2_3095_82743_L_0
77 D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	4.5023E+04	-15.20	0.000	1.000	1.000	147.6	0.000	0.000	Strato2_3095_82743_L_0
78 D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	4.5023E+04	-15.40	0.000	1.000	1.000	149.6	0.000	0.000	Strato2_3095_82743_L_0
79 D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	4.5023E+04	-15.60	0.000	1.000	1.000	151.6	0.000	0.000	Strato2_3095_82743_L_0
80 D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	4.5023E+04	-15.80	0.000	1.000	1.000	153.6	0.000	0.000	Strato2_3095_82743_L_0
81 D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	4.5023E+04	-16.00	0.000	1.000	1.000	155.6	0.000	0.000	Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:01:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.1045E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.1045E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.1045E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.1045E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.1045E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.1045E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.1045E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.1045E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0

9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.1045E+04	-1.600	0.000	1.000	1.000	
16.11	0.000	0.000	Strato1_2_8_L_0										
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.1045E+04	-1.800	0.000	1.000	1.000	
18.13	0.000	0.000	Strato1_2_8_L_0										
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.1045E+04	-2.000	0.000	1.000	1.000	
20.14	0.000	0.000	Strato1_2_8_L_0										
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.1045E+04	-2.200	0.000	1.000	1.000	
22.15	0.000	0.000	Strato1_2_8_L_0										
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.1045E+04	-2.400	0.000	1.000	1.000	
24.17	0.000	0.000	Strato1_2_8_L_0										
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.1045E+04	-2.600	0.000	1.000	1.000	
26.18	0.000	0.000	Strato1_2_8_L_0										
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.1045E+04	-2.800	0.000	1.000	1.000	
28.20	0.000	0.000	Strato1_2_8_L_0										
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.1045E+04	-3.000	0.000	1.000	1.000	
30.21	0.000	0.000	Strato1_2_8_L_0										
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.1045E+04	-3.200	0.000	1.000	1.000	
32.22	0.000	0.000	Strato1_2_8_L_0										
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.1045E+04	-3.400	0.000	1.000	1.000	
34.24	0.000	0.000	Strato1_2_8_L_0										
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.1045E+04	-3.600	0.000	1.000	1.000	
36.25	0.000	0.000	Strato1_2_8_L_0										
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.1045E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.1045E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.1045E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.1045E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.1045E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.1045E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.1045E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.1045E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.1045E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.1045E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.1045E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.1045E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.1045E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.1045E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.1045E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.1045E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.1045E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.1045E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.1045E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.1045E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.1045E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.1045E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.1045E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.1045E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.1045E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	2.4402E+04	-8.800	0.000	1.000	1.000	
83.65	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	2.4402E+04	-9.000	0.000	1.000	1.000	
85.65	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	2.4402E+04	-9.200	0.000	1.000	1.000	
87.65	0.000	0.000	Strato2_3095_82743_L_0										
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	2.4402E+04	-9.400	0.000	1.000	1.000	
89.65	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	2.4402E+04	-9.600	0.000	1.000	1.000	
91.65	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	2.4402E+04	-9.800	0.000	1.000	1.000	
93.65	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	2.4402E+04	-10.00	0.000	1.000	1.000	

95.65	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	2.4402E+04	-10.20	0.000	1.000	1.000	
97.65	0.000	0.000	Strato2_3095_82743_L_0										
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	2.4402E+04	-10.40	0.000	1.000	1.000	
99.65	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	2.4402E+04	-10.60	0.000	1.000	1.000	
101.6	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	2.4402E+04	-10.80	0.000	1.000	1.000	
103.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	2.4402E+04	-11.00	0.000	1.000	1.000	
105.6	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	2.4402E+04	-11.20	0.000	1.000	1.000	
107.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	2.4402E+04	-11.40	0.000	1.000	1.000	
109.6	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	2.4402E+04	-11.60	0.000	1.000	1.000	
111.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	2.4402E+04	-11.80	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										
61 D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	2.4402E+04	-12.00	0.000	1.000	1.000	
115.6	0.000	0.000	Strato2_3095_82743_L_0										
62 D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	2.4402E+04	-12.20	0.000	1.000	1.000	
117.6	0.000	0.000	Strato2_3095_82743_L_0										
63 D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	2.4402E+04	-12.40	0.000	1.000	1.000	
119.6	0.000	0.000	Strato2_3095_82743_L_0										
64 D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	2.4402E+04	-12.60	0.000	1.000	1.000	
121.6	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	2.4402E+04	-12.80	0.000	1.000	1.000	
123.6	0.000	0.000	Strato2_3095_82743_L_0										
66 D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	2.4402E+04	-13.00	0.000	1.000	1.000	
125.6	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	2.4402E+04	-13.20	0.000	1.000	1.000	
127.6	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	2.4402E+04	-13.40	0.000	1.000	1.000	
129.6	0.000	0.000	Strato2_3095_82743_L_0										
69 D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	2.4402E+04	-13.60	0.000	1.000	1.000	
131.6	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	2.4402E+04	-13.80	0.000	1.000	1.000	
133.6	0.000	0.000	Strato2_3095_82743_L_0										
71 D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	2.4402E+04	-14.00	0.000	1.000	1.000	
135.6	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	2.4402E+04	-14.20	0.000	1.000	1.000	
137.6	0.000	0.000	Strato2_3095_82743_L_0										
73 D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	2.4402E+04	-14.40	0.000	1.000	1.000	
139.6	0.000	0.000	Strato2_3095_82743_L_0										
74 D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	2.4402E+04	-14.60	0.000	1.000	1.000	
141.6	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	2.4402E+04	-14.80	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
76 D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	2.4402E+04	-15.00	0.000	1.000	1.000	
145.6	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	2.4402E+04	-15.20	0.000	1.000	1.000	
147.6	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	2.4402E+04	-15.40	0.000	1.000	1.000	
149.6	0.000	0.000	Strato2_3095_82743_L_0										
79 D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	2.4402E+04	-15.60	0.000	1.000	1.000	
151.6	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	2.4402E+04	-15.80	0.000	1.000	1.000	
153.6	0.000	0.000	Strato2_3095_82743_L_0										
81 D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	2.4402E+04	-16.00	0.000	1.000	1.000	
155.6	0.000	0.000	Strato2_3095_82743_L_0										

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:01:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
```

2	0.0000	0.0000	0.0000	0.0000
3	0.0000	0.0000	0.0000	0.0000
4	0.0000	0.0000	0.0000	0.0000
5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000

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|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                   Exe Time :29 July 2019      18:01:09                                                |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    4

Tirante1_429                      :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER      0 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM= 40.59      REMNOR= 0.000      RATIO =0.2768E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.2768E-01 RATIOR= 0.000
           MAX UN=0.7687      IEQ=     15 NODE      8 DOF    1  Y-DISPL.F
           MIN UN= 0.000      IEQ=      2 NODE      1 DOF    2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      2 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.5074E-01 REMNOR=0.1132E-21 RATIO =0.9787E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.9787E-03 RATIOR= 0.000
           MAX UN=0.2084      IEQ=      3 NODE      2 DOF    1  Y-DISPL.F
           MIN UN=-.3350E-10 IEQ=     89 NODE     45 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      3 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.6870E-03 REMNOR=0.1550E-22 RATIO =0.1139E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.1139E-03 RATIOR= 0.000
           MAX UN=0.2580E-01 IEQ=      5 NODE      3 DOF    1  Y-DISPL.F
           MIN UN=-.2249E-10 IEQ=      3 NODE      2 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      4 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.5174E-08 REMNOR=0.1522E-22 RATIO =0.3126E-06 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.3126E-06 RATIOR= 0.000
           MAX UN=0.4145E-04 IEQ=    119 NODE     60 DOF    1  Y-DISPL.F
           MIN UN=-.2401E-10 IEQ=     33 NODE     17 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                   Exe Time :29 July 2019      18:01:09                                                |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME    2.000      )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
```

	(02)	(04)	(
1	6.9765915E-05	-1.9399230E-06	
2	6.9378411E-05	-1.9327060E-06	
3	6.8993796E-05	-1.9110355E-06	
4	6.8614787E-05	-1.8775148E-06	
5	6.8243259E-05	-1.8369576E-06	
6	6.7880224E-05	-1.7930981E-06	
7	6.7526064E-05	-1.7485798E-06	
8	6.7180712E-05	-1.7052722E-06	
9	6.6843789E-05	-1.6644470E-06	
10	6.6514603E-05	-1.6285736E-06	
11	6.6191793E-05	-1.6012040E-06	
12	6.5873364E-05	-1.5851888E-06	
13	6.5556810E-05	-1.5827789E-06	
14	6.5239230E-05	-1.5956998E-06	
15	6.4917425E-05	-1.6252080E-06	
16	6.4587986E-05	-1.6721321E-06	
17	6.4247320E-05	-1.7378362E-06	
18	6.3891476E-05	-1.8241825E-06	
19	6.3516178E-05	-1.9325604E-06	
20	6.3116920E-05	-2.0639097E-06	
21	6.2689049E-05	-2.2187349E-06	
22	6.2227856E-05	-2.3971135E-06	
23	6.1728657E-05	-2.5986978E-06	
24	6.1186884E-05	-2.8227107E-06	
25	6.0598120E-05	-3.0685573E-06	
26	5.9958037E-05	-3.3357740E-06	
27	5.9262451E-05	-3.6233712E-06	
28	5.8507431E-05	-3.9298183E-06	
29	5.7689411E-05	-4.2530236E-06	
30	5.6805287E-05	-4.5903190E-06	
31	5.5852563E-05	-4.9384255E-06	
32	5.4829425E-05	-5.2939067E-06	
33	5.3734751E-05	-5.6531207E-06	
34	5.2568219E-05	-6.0116993E-06	
35	5.1330462E-05	-6.3645146E-06	
36	5.0023198E-05	-6.7056550E-06	
37	4.8649427E-05	-7.0283826E-06	
38	4.7213578E-05	-7.3251094E-06	
39	4.5721682E-05	-7.5873658E-06	
40	4.4181538E-05	-7.8061483E-06	
41	4.2602766E-05	-7.9718899E-06	
42	4.0997021E-05	-8.0740480E-06	
43	3.9378154E-05	-8.1010962E-06	
44	3.7762424E-05	-8.0405168E-06	
45	3.6168698E-05	-7.8788035E-06	
46	3.4617400E-05	-7.6197401E-06	
47	3.3125914E-05	-7.2839899E-06	
48	3.1707678E-05	-6.8901377E-06	
49	3.0372645E-05	-6.4544872E-06	
50	2.9127733E-05	-5.9911846E-06	
51	2.7977214E-05	-5.5123437E-06	
52	2.6923169E-05	-5.0282120E-06	
53	2.5965738E-05	-4.5472702E-06	
54	2.5103587E-05	-4.0764406E-06	
55	2.4334105E-05	-3.6214519E-06	
56	2.3653637E-05	-3.1869882E-06	
57	2.3057707E-05	-2.7765683E-06	
58	2.2541241E-05	-2.3926791E-06	
59	2.2098761E-05	-2.0369019E-06	
60	2.1724554E-05	-1.7100313E-06	
61	2.1412814E-05	-1.4121839E-06	
62	2.1157761E-05	-1.1431245E-06	
63	2.0953678E-05	-9.0235386E-07	
64	2.0794994E-05	-6.8896252E-07	
65	2.0676351E-05	-5.0170633E-07	
66	2.0592670E-05	-3.3907292E-07	
67	2.0539195E-05	-1.9934031E-07	
68	2.0511532E-05	-8.0628096E-08	
69	2.0505676E-05	1.9058490E-08	
70	2.0518012E-05	1.0159121E-07	
71	2.0545283E-05	1.6869011E-07	
72	2.0584576E-05	2.2209957E-07	
73	2.0633327E-05	2.6356640E-07	
74	2.0689321E-05	2.9482199E-07	
75	2.0750688E-05	3.1756821E-07	
76	2.0815892E-05	3.3346649E-07	
77	2.0883714E-05	3.4394821E-07	
78	2.0953190E-05	3.5021106E-07	
79	2.1023593E-05	3.5339836E-07	
80	2.1094417E-05	3.5459578E-07	
81	2.1165371E-05	3.5482906E-07	

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*        |
|                                                                                                                  |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                |
|                                    Exe Time :29 July 2019      18:01:09                                          |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-6.9766E-05	10.00	3.040	10.00	5.300	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.5569	-6.9378E-05	9.159	2.784	9.159	4.854	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	2.784	0.000	0.000	Strato1_2_8_L_0
3 D	0.8475	-6.8994E-05	13.94	4.238	13.94	7.388	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.238	0.000	0.000	Strato1_2_8_L_0
4 D	1.268	-6.8615E-05	18.14	6.338	18.14	9.614	UL-RL	4.7747E+04	-0.6000	0.000	1.000	1.000	6.338	0.000	0.000	Strato1_2_8_L_0
5 D	1.697	-6.8243E-05	22.16	8.485	22.16	11.74	UL-RL	4.7747E+04	-0.8000	0.000	1.000	1.000	8.485	0.000	0.000	Strato1_2_8_L_0
6 D	2.118	-6.7880E-05	26.09	10.59	26.09	13.83	UL-RL	4.7747E+04	-1.000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
7 D	2.534	-6.7526E-05	29.98	12.67	29.98	15.89	UL-RL	4.7747E+04	-1.200	0.000	1.000	1.000	12.67	0.000	0.000	Strato1_2_8_L_0
8 D	2.947	-6.7181E-05	33.85	14.73	33.85	17.94	UL-RL	4.7747E+04	-1.400	0.000	1.000	1.000	14.73	0.000	0.000	Strato1_2_8_L_0
9 D	3.287	-6.6844E-05	37.03	16.44	37.03	19.63	UL-RL	4.7747E+04	-1.600	0.000	1.000	1.000	16.44	0.000	0.000	Strato1_2_8_L_0
10 D	3.705	-6.6515E-05	40.95	18.53	40.95	21.70	UL-RL	4.7747E+04	-1.800	0.000	1.000	1.000	18.53	0.000	0.000	Strato1_2_8_L_0
11 D	4.121	-6.6192E-05	44.84	20.60	44.84	23.77	UL-RL	4.7747E+04	-2.000	0.000	1.000	1.000	20.60	0.000	0.000	Strato1_2_8_L_0
12 D	4.535	-6.5873E-05	48.72	22.67	48.72	25.82	UL-RL	4.7747E+04	-2.200	0.000	1.000	1.000	22.67	0.000	0.000	Strato1_2_8_L_0
13 D	4.947	-6.5557E-05	52.58	24.74	52.58	27.87	UL-RL	4.7747E+04	-2.400	0.000	1.000	1.000	24.74	0.000	0.000	Strato1_2_8_L_0
14 D	5.359	-6.5239E-05	56.43	26.79	56.43	29.91	UL-RL	4.7747E+04	-2.600	0.000	1.000	1.000	26.79	0.000	0.000	Strato1_2_8_L_0
15 D	5.769	-6.4917E-05	60.28	28.85	60.28	31.95	UL-RL	4.7747E+04	-2.800	0.000	1.000	1.000	28.85	0.000	0.000	Strato1_2_8_L_0
16 D	6.140	-6.4588E-05	63.75	30.70	63.75	33.79	UL-RL	4.7747E+04	-3.000	0.000	1.000	1.000	30.70	0.000	0.000	Strato1_2_8_L_0
17 D	6.553	-6.4247E-05	67.61	32.76	67.61	35.83	UL-RL	4.7747E+04	-3.200	0.000	1.000	1.000	32.76	0.000	0.000	Strato1_2_8_L_0
18 D	6.964	-6.3891E-05	71.46	34.82	71.46	37.87	UL-RL	4.7747E+04	-3.400	0.000	1.000	1.000	34.82	0.000	0.000	Strato1_2_8_L_0
19 D	7.376	-6.3516E-05	75.30	36.88	75.30	39.91	UL-RL	4.7747E+04	-3.600	0.000	1.000	1.000	36.88	0.000	0.000	Strato1_2_8_L_0
20 D	7.787	-6.3117E-05	79.14	38.93	79.14	41.95	UL-RL	4.7747E+04	-3.800	0.000	1.000	1.000	38.93	0.000	0.000	Strato1_2_8_L_0
21 D	8.197	-6.2689E-05	82.98	40.99	82.98	43.98	UL-RL	4.7747E+04	-4.000	0.000	1.000	1.000	40.99	0.000	0.000	Strato1_2_8_L_0
22 D	8.608	-6.2228E-05	86.81	43.04	86.81	46.01	UL-RL	4.7747E+04	-4.200	0.000	1.000	1.000	43.04	0.000	0.000	Strato1_2_8_L_0
23 D	9.019	-6.1729E-05	90.64	45.09	90.64	48.04	UL-RL	4.7747E+04	-4.400	0.000	1.000	1.000	45.09	0.000	0.000	Strato1_2_8_L_0
24 D	9.404	-6.1187E-05	94.23	47.02	94.23	49.94	UL-RL	4.7747E+04	-4.600	0.000	1.000	1.000	47.02	0.000	0.000	Strato1_2_8_L_0
25 D	9.816	-6.0598E-05	98.06	49.08	98.06	51.97	UL-RL	4.7747E+04	-4.800	0.000	1.000	1.000	49.08	0.000	0.000	Strato1_2_8_L_0
26 D	10.23	-5.9958E-05	101.9	51.14	101.9	54.01	UL-RL	4.7747E+04	-5.000	0.000	1.000	1.000	51.14	0.000	0.000	Strato1_2_8_L_0
27 D	10.64	-5.9262E-05	105.7	53.21	105.7	56.04	UL-RL	4.7747E+04	-5.200	0.000	1.000	1.000	53.21	0.000	0.000	Strato1_2_8_L_0
28 D	11.05	-5.8507E-05	109.6	55.27	109.6	58.06	UL-RL	4.7747E+04	-5.400	0.000	1.000	1.000	55.27	0.000	0.000	Strato1_2_8_L_0
29 D	11.47	-5.7689E-05	113.4	57.34	113.4	60.09	UL-RL	4.7747E+04	-5.600	0.000	1.000	1.000	57.34	0.000	0.000	Strato1_2_8_L_0
30 D	11.88	-5.6805E-05	117.2	59.41	117.2	62.12	UL-RL	4.7747E+04	-5.800	0.000	1.000	1.000	59.41	0.000	0.000	Strato1_2_8_L_0
31 D	12.28	-5.5853E-05	120.8	61.38	120.8	64.05	UL-RL	4.7747E+04	-6.000	0.000	1.000	1.000				

61.38	0.000	0.000	Strato1_2_8_L_0									
32 D	12.69	-5.4829E-05	124.7	63.46	124.7	66.07	UL-RL	4.7747E+04	-6.200	0.000	1.000	1.000
63.46	0.000	0.000	Strato1_2_8_L_0									
33 D	13.11	-5.3735E-05	128.5	65.54	128.5	68.10	UL-RL	4.7747E+04	-6.400	0.000	1.000	1.000
65.54	0.000	0.000	Strato1_2_8_L_0									
34 D	13.52	-5.2568E-05	132.3	67.62	132.3	70.13	UL-RL	4.7747E+04	-6.600	0.000	1.000	1.000
67.62	0.000	0.000	Strato1_2_8_L_0									
35 D	13.94	-5.1330E-05	136.1	69.70	136.1	72.15	UL-RL	4.7747E+04	-6.800	0.000	1.000	1.000
69.70	0.000	0.000	Strato1_2_8_L_0									
36 D	14.36	-5.0023E-05	140.0	71.79	140.0	74.18	UL-RL	4.7747E+04	-7.000	0.000	1.000	1.000
71.79	0.000	0.000	Strato1_2_8_L_0									
37 D	14.78	-4.8649E-05	143.8	73.88	143.8	76.20	UL-RL	4.7747E+04	-7.200	0.000	1.000	1.000
73.88	0.000	0.000	Strato1_2_8_L_0									
38 D	15.19	-4.7214E-05	147.6	75.97	147.6	78.23	UL-RL	4.7747E+04	-7.400	0.000	1.000	1.000
75.97	0.000	0.000	Strato1_2_8_L_0									
39 D	15.60	-4.5722E-05	151.3	77.99	151.3	80.17	UL-RL	4.7747E+04	-7.600	0.000	1.000	1.000
77.99	0.000	0.000	Strato1_2_8_L_0									
40 D	16.02	-4.4182E-05	155.1	80.09	155.1	82.20	UL-RL	4.7747E+04	-7.800	0.000	1.000	1.000
80.09	0.000	0.000	Strato1_2_8_L_0									
41 D	16.44	-4.2603E-05	158.9	82.19	158.9	84.22	UL-RL	4.7747E+04	-8.000	0.000	1.000	1.000
82.19	0.000	0.000	Strato1_2_8_L_0									
42 D	16.86	-4.0997E-05	162.7	84.29	162.7	86.25	UL-RL	4.7747E+04	-8.200	0.000	1.000	1.000
84.29	0.000	0.000	Strato1_2_8_L_0									
43 D	17.28	-3.9378E-05	166.5	86.39	166.5	88.27	UL-RL	4.7747E+04	-8.400	0.000	1.000	1.000
86.39	0.000	0.000	Strato1_2_8_L_0									
44 D	17.70	-3.7762E-05	170.4	88.49	170.4	90.29	UL-RL	4.7747E+04	-8.600	0.000	1.000	1.000
88.49	0.000	0.000	Strato1_2_8_L_0									
45 D	16.45	-3.6169E-05	174.3	82.26	174.3	87.14	UL-RL	1.3507E+05	-8.800	0.000	1.000	1.000
82.26	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.88	-3.4617E-05	178.2	84.41	178.2	89.09	UL-RL	1.3507E+05	-9.000	0.000	1.000	1.000
84.41	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.32	-3.3126E-05	182.2	86.62	182.2	91.09	UL-RL	1.3507E+05	-9.200	0.000	1.000	1.000
86.62	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.76	-3.1708E-05	186.2	88.82	186.2	93.10	UL-RL	1.3507E+05	-9.400	0.000	1.000	1.000
88.82	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.20	-3.0373E-05	190.2	91.01	190.2	95.11	UL-RL	1.3507E+05	-9.600	0.000	1.000	1.000
91.01	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.64	-2.9128E-05	194.2	93.19	194.2	97.12	UL-RL	1.3507E+05	-9.800	0.000	1.000	1.000
93.19	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.07	-2.7977E-05	198.3	95.35	198.3	99.13	UL-RL	1.3507E+05	-10.00	0.000	1.000	1.000
95.35	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.50	-2.6923E-05	202.3	97.50	202.3	101.1	UL-RL	1.3507E+05	-10.20	0.000	1.000	1.000
97.50	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.93	-2.5966E-05	206.3	99.63	206.3	103.1	UL-RL	1.3507E+05	-10.40	0.000	1.000	1.000
99.63	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.34	-2.5104E-05	210.2	101.7	210.2	105.1	UL-RL	1.3507E+05	-10.60	0.000	1.000	1.000
101.7	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.76	-2.4334E-05	214.2	103.8	214.2	107.1	UL-RL	1.3507E+05	-10.80	0.000	1.000	1.000
103.8	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.18	-2.3654E-05	218.2	105.9	218.2	109.1	UL-RL	1.3507E+05	-11.00	0.000	1.000	1.000
105.9	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.60	-2.3058E-05	222.2	108.0	222.2	111.1	UL-RL	1.3507E+05	-11.20	0.000	1.000	1.000
108.0	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.02	-2.2541E-05	226.2	110.1	226.2	113.1	UL-RL	1.3507E+05	-11.40	0.000	1.000	1.000
110.1	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.43	-2.2099E-05	230.3	112.1	230.3	115.1	UL-RL	1.3507E+05	-11.60	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.84	-2.1725E-05	234.3	114.2	234.3	117.1	UL-RL	1.3507E+05	-11.80	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.24	-2.1413E-05	238.2	116.2	238.2	119.1	UL-RL	1.3507E+05	-12.00	0.000	1.000	1.000
116.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.65	-2.1158E-05	242.2	118.2	242.2	121.1	UL-RL	1.3507E+05	-12.20	0.000	1.000	1.000
118.2	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.06	-2.0954E-05	246.2	120.3	246.2	123.1	UL-RL	1.3507E+05	-12.40	0.000	1.000	1.000
120.3	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.46	-2.0795E-05	250.2	122.3	250.2	125.1	UL-RL	1.3507E+05	-12.60	0.000	1.000	1.000
122.3	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.87	-2.0676E-05	254.2	124.3	254.2	127.1	UL-RL	1.3507E+05	-12.80	0.000	1.000	1.000
124.3	0.000	0.000	Strato2_3095_82743_L_0									
66 D	25.27	-2.0593E-05	258.2	126.3	258.2	129.1	UL-RL	1.3507E+05	-13.00	0.000	1.000	1.000
126.3	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.67	-2.0539E-05	262.3	128.4	262.3	131.1	UL-RL	1.3507E+05	-13.20	0.000	1.000	1.000
128.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.07	-2.0512E-05	266.3	130.4	266.3	133.1	UL-RL	1.3507E+05	-13.40	0.000	1.000	1.000
130.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.47	-2.0506E-05	270.2	132.3	270.2	135.1	UL-RL	1.3507E+05	-13.60	0.000	1.000	1.000
132.3	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.87	-2.0518E-05	274.2	134.3	274.2	137.1	UL-RL	1.3507E+05	-13.80	0.000	1.000	1.000
134.3	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.27	-2.0545E-05	278.2	136.3	278.2	139.1	UL-RL	1.3507E+05	-14.00	0.000	1.000	1.000
136.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.67	-2.0585E-05	282.2	138.3	282.2	141.1	UL-RL	1.3507E+05	-14.20	0.000	1.000	1.000
138.3	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.07	-2.0633E-05	286.2	140.3	286.2	143.1	UL-RL	1.3507E+05	-14.40	0.000	1.000	1.000
140.3	0.000	0.000	Strato2_3095_82743_L_0									

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  74 D   28.47     -2.0689E-05   290.3       142.3       290.3       145.1          UL-RL  1.3507E+05  -14.60       0.000        1.000        1.000
142.3       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.87     -2.0751E-05   294.3       144.3       294.3       147.1          UL-RL  1.3507E+05  -14.80       0.000        1.000        1.000
144.3       0.000       0.000     Strato2_3095_82743_L_0
  76 D   29.26     -2.0816E-05   298.2       146.3       298.2       149.1          UL-RL  1.3507E+05  -15.00       0.000        1.000        1.000
146.3       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.66     -2.0884E-05   302.2       148.3       302.2       151.1          UL-RL  1.3507E+05  -15.20       0.000        1.000        1.000
148.3       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.06     -2.0953E-05   306.2       150.3       306.2       153.1          UL-RL  1.3507E+05  -15.40       0.000        1.000        1.000
150.3       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.45     -2.1024E-05   310.2       152.3       310.2       155.1          UL-RL  1.3507E+05  -15.60       0.000        1.000        1.000
152.3       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.85     -2.1094E-05   314.2       154.3       314.2       157.1          UL-RL  1.3507E+05  -15.80       0.000        1.000        1.000
154.3       0.000       0.000     Strato2_3095_82743_L_0
  81 D   15.63     -2.1165E-05   318.2       156.3       318.2       159.1          UL-RL  1.3507E+05  -16.00       0.000        1.000        1.000
156.3       0.000       0.000     Strato2_3095_82743_L_0


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 |                  PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.Nominal_63                                                           |
 |                                  Exe Time :29 July 2019      18:01:09                                                                     |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000      6.9766E-05   0.000       0.000       0.000       0.000          PASSIVE   0.000       0.000        0.000        1.000        1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.5561      6.9378E-05   3.800       2.780       3.800       2.780              V-C  1.1045E+04 -0.2000      0.000        1.000        1.000
2.780       0.000       0.000     Strato1_2_8_L_0
   3 D  0.9580      6.8994E-05   7.600       4.790       7.600       4.790              V-C  1.1045E+04 -0.4000      0.000        1.000        1.000
4.790       0.000       0.000     Strato1_2_8_L_0
   4 D   1.360      6.8615E-05   11.40       6.800       11.40       6.800              V-C  1.1045E+04 -0.6000      0.000        1.000        1.000
6.800       0.000       0.000     Strato1_2_8_L_0
   5 D   1.762      6.8243E-05   15.20       8.810       15.20       8.810              V-C  1.1045E+04 -0.8000      0.000        1.000        1.000
8.810       0.000       0.000     Strato1_2_8_L_0
   6 D   2.164      6.7880E-05   19.00       10.82       19.00       10.82              V-C  1.1045E+04  -1.000      0.000        1.000        1.000
10.82       0.000       0.000     Strato1_2_8_L_0
   7 D   2.566      6.7526E-05   22.80       12.83       22.80       12.83              V-C  1.1045E+04  -1.200      0.000        1.000        1.000
12.83       0.000       0.000     Strato1_2_8_L_0
   8 D   2.968      6.7181E-05   26.60       14.84       26.60       14.84              V-C  1.1045E+04  -1.400      0.000        1.000        1.000
14.84       0.000       0.000     Strato1_2_8_L_0
   9 D   3.370      6.6844E-05   30.40       16.85       30.40       16.85              V-C  1.1045E+04  -1.600      0.000        1.000        1.000
16.85       0.000       0.000     Strato1_2_8_L_0
  10 D   3.772      6.6515E-05   34.20       18.86       34.20       18.86              V-C  1.1045E+04  -1.800      0.000        1.000        1.000
18.86       0.000       0.000     Strato1_2_8_L_0
  11 D   4.174      6.6192E-05   38.00       20.87       38.00       20.87              V-C  1.1045E+04  -2.000      0.000        1.000        1.000
20.87       0.000       0.000     Strato1_2_8_L_0
  12 D   4.576      6.5873E-05   41.80       22.88       41.80       22.88              V-C  1.1045E+04  -2.200      0.000        1.000        1.000
22.88       0.000       0.000     Strato1_2_8_L_0
  13 D   4.978      6.5557E-05   45.60       24.89       45.60       24.89              V-C  1.1045E+04  -2.400      0.000        1.000        1.000
24.89       0.000       0.000     Strato1_2_8_L_0
  14 D   5.381      6.5239E-05   49.40       26.90       49.40       26.90              V-C  1.1045E+04  -2.600      0.000        1.000        1.000
26.90       0.000       0.000     Strato1_2_8_L_0
  15 D   5.783      6.4917E-05   53.20       28.91       53.20       28.91              V-C  1.1045E+04  -2.800      0.000        1.000        1.000
28.91       0.000       0.000     Strato1_2_8_L_0
  16 D   6.185      6.4588E-05   57.00       30.92       57.00       30.92              V-C  1.1045E+04  -3.000      0.000        1.000        1.000
30.92       0.000       0.000     Strato1_2_8_L_0
  17 D   6.587      6.4247E-05   60.80       32.93       60.80       32.93              V-C  1.1045E+04  -3.200      0.000        1.000        1.000
32.93       0.000       0.000     Strato1_2_8_L_0
  18 D   6.989      6.3891E-05   64.60       34.94       64.60       34.94              V-C  1.1045E+04  -3.400      0.000        1.000        1.000
34.94       0.000       0.000     Strato1_2_8_L_0
  19 D   7.391      6.3516E-05   68.40       36.95       68.40       36.95              V-C  1.1045E+04  -3.600      0.000        1.000        1.000
36.95       0.000       0.000     Strato1_2_8_L_0
  20 D   7.793      6.3117E-05   72.20       38.96       72.20       38.96              V-C  1.1045E+04  -3.800      0.000        1.000        1.000
38.96       0.000       0.000     Strato1_2_8_L_0
  21 D   8.194      6.2689E-05   76.00       40.97       76.00       40.97              V-C  1.1045E+04  -4.000      0.000        1.000        1.000
40.97       0.000       0.000     Strato1_2_8_L_0
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22 D	8.596	6.2228E-05	79.80	42.98	79.80	42.98	V-C	1.1045E+04	-4.200	0.000	1.000	1.000	42.98
0.000	0.000	Strato1_2_8_L_0											
23 D	8.998	6.1729E-05	83.60	44.99	83.60	44.99	V-C	1.1045E+04	-4.400	0.000	1.000	1.000	44.99
0.000	0.000	Strato1_2_8_L_0											
24 D	9.400	6.1187E-05	87.40	47.00	87.40	47.00	V-C	1.1045E+04	-4.600	0.000	1.000	1.000	47.00
0.000	0.000	Strato1_2_8_L_0											
25 D	9.801	6.0598E-05	91.20	49.00	91.20	49.01	UL-RL	3.3134E+04	-4.800	0.000	1.000	1.000	49.00
0.000	0.000	Strato1_2_8_L_0											
26 D	10.20	5.9958E-05	95.00	51.01	95.00	51.01	UL-RL	3.3134E+04	-5.000	0.000	1.000	1.000	51.01
0.000	0.000	Strato1_2_8_L_0											
27 D	10.60	5.9262E-05	98.80	53.02	98.80	53.02	UL-RL	3.3134E+04	-5.200	0.000	1.000	1.000	53.02
0.000	0.000	Strato1_2_8_L_0											
28 D	11.00	5.8507E-05	102.6	55.02	102.6	55.03	UL-RL	3.3134E+04	-5.400	0.000	1.000	1.000	55.02
0.000	0.000	Strato1_2_8_L_0											
29 D	11.41	5.7689E-05	106.4	57.03	106.4	57.03	UL-RL	3.3134E+04	-5.600	0.000	1.000	1.000	57.03
0.000	0.000	Strato1_2_8_L_0											
30 D	11.81	5.6805E-05	110.2	59.03	110.2	59.04	UL-RL	3.3134E+04	-5.800	0.000	1.000	1.000	59.03
0.000	0.000	Strato1_2_8_L_0											
31 D	12.21	5.5853E-05	114.0	61.03	114.0	61.04	UL-RL	3.3134E+04	-6.000	0.000	1.000	1.000	61.03
0.000	0.000	Strato1_2_8_L_0											
32 D	12.61	5.4829E-05	117.8	63.03	117.8	63.04	UL-RL	3.3134E+04	-6.200	0.000	1.000	1.000	63.03
0.000	0.000	Strato1_2_8_L_0											
33 D	13.01	5.3735E-05	121.6	65.04	121.6	65.04	UL-RL	3.3134E+04	-6.400	0.000	1.000	1.000	65.04
0.000	0.000	Strato1_2_8_L_0											
34 D	13.41	5.2568E-05	125.4	67.04	125.4	67.04	UL-RL	3.3134E+04	-6.600	0.000	1.000	1.000	67.04
0.000	0.000	Strato1_2_8_L_0											
35 D	13.81	5.1330E-05	129.2	69.04	129.2	69.05	UL-RL	3.3134E+04	-6.800	0.000	1.000	1.000	69.04
0.000	0.000	Strato1_2_8_L_0											
36 D	14.21	5.0023E-05	133.0	71.04	133.0	71.04	UL-RL	3.3134E+04	-7.000	0.000	1.000	1.000	71.04
0.000	0.000	Strato1_2_8_L_0											
37 D	14.61	4.8649E-05	136.8	73.04	136.8	73.04	UL-RL	3.3134E+04	-7.200	0.000	1.000	1.000	73.04
0.000	0.000	Strato1_2_8_L_0											
38 D	15.01	4.7214E-05	140.6	75.04	140.6	75.04	UL-RL	3.3134E+04	-7.400	0.000	1.000	1.000	75.04
0.000	0.000	Strato1_2_8_L_0											
39 D	15.41	4.5722E-05	144.4	77.03	144.4	77.04	UL-RL	3.3134E+04	-7.600	0.000	1.000	1.000	77.03
0.000	0.000	Strato1_2_8_L_0											
40 D	15.81	4.4182E-05	148.2	79.03	148.2	79.04	UL-RL	3.3134E+04	-7.800	0.000	1.000	1.000	79.03
0.000	0.000	Strato1_2_8_L_0											
41 D	16.21	4.2603E-05	152.0	81.03	152.0	81.03	UL-RL	3.3134E+04	-8.000	0.000	1.000	1.000	81.03
0.000	0.000	Strato1_2_8_L_0											
42 D	16.60	4.0997E-05	155.8	83.02	155.8	83.03	UL-RL	3.3134E+04	-8.200	0.000	1.000	1.000	83.02
0.000	0.000	Strato1_2_8_L_0											
43 D	17.00	3.9378E-05	159.6	85.02	159.6	85.02	UL-RL	3.3134E+04	-8.400	0.000	1.000	1.000	85.02
0.000	0.000	Strato1_2_8_L_0											
44 D	17.40	3.7762E-05	163.4	87.02	163.4	87.02	UL-RL	3.3134E+04	-8.600	0.000	1.000	1.000	87.02
0.000	0.000	Strato1_2_8_L_0											
45 D	16.91	3.6169E-05	167.3	84.53	167.3	84.54	UL-RL	7.3205E+04	-8.800	0.000	1.000	1.000	84.53
0.000	0.000	Strato2_3095_82743_L_0											
46 D	17.30	3.4617E-05	171.3	86.49	171.3	86.50	UL-RL	7.3205E+04	-9.000	0.000	1.000	1.000	86.49
0.000	0.000	Strato2_3095_82743_L_0											
47 D	17.69	3.3126E-05	175.3	88.45	175.3	88.46	UL-RL	7.3205E+04	-9.200	0.000	1.000	1.000	88.45
0.000	0.000	Strato2_3095_82743_L_0											
48 D	18.08	3.1708E-05	179.3	90.42	179.3	90.43	UL-RL	7.3205E+04	-9.400	0.000	1.000	1.000	90.42
0.000	0.000	Strato2_3095_82743_L_0											
49 D	18.48	3.0373E-05	183.3	92.39	183.3	92.39	UL-RL	7.3205E+04	-9.600	0.000	1.000	1.000	92.39
0.000	0.000	Strato2_3095_82743_L_0											
50 D	18.87	2.9128E-05	187.3	94.36	187.3	94.36	UL-RL	7.3205E+04	-9.800	0.000	1.000	1.000	94.36
0.000	0.000	Strato2_3095_82743_L_0											
51 D	19.27	2.7977E-05	191.3	96.33	191.3	96.33	UL-RL	7.3205E+04	-10.00	0.000	1.000	1.000	96.33
0.000	0.000	Strato2_3095_82743_L_0											
52 D	19.66	2.6923E-05	195.3	98.31	195.3	98.31	UL-RL	7.3205E+04	-10.20	0.000	1.000	1.000	98.31
0.000	0.000	Strato2_3095_82743_L_0											
53 D	20.06	2.5966E-05	199.3	100.3	199.3	100.3	UL-RL	7.3205E+04	-10.40	0.000	1.000	1.000	100.3
0.000	0.000	Strato2_3095_82743_L_0											
54 D	20.45	2.5104E-05	203.3	102.3	203.3	102.3	UL-RL	7.3205E+04	-10.60	0.000	1.000	1.000	102.3
0.000	0.000	Strato2_3095_82743_L_0											
55 D	20.85	2.4334E-05	207.3	104.2	207.3	104.2	UL-RL	7.3205E+04	-10.80	0.000	1.000	1.000	104.2
0.000	0.000	Strato2_3095_82743_L_0											
56 D	21.25	2.3654E-05	211.3	106.2	211.3	106.2	UL-RL	7.3205E+04	-11.00	0.000	1.000	1.000	106.2
0.000	0.000	Strato2_3095_82743_L_0											
57 D	21.64	2.3058E-05	215.3	108.2	215.3	108.2	UL-RL	7.3205E+04	-11.20	0.000	1.000	1.000	108.2
0.000	0.000	Strato2_3095_82743_L_0											
58 D	22.04	2.2541E-05	219.3	110.2	219.3	110.2	UL-RL	7.3205E+04	-11.40	0.000	1.000	1.000	110.2
0.000	0.000	Strato2_3095_82743_L_0											
59 D	22.44	2.2099E-05	223.3	112.2	223.3	112.2	V-C	2.4402E+04	-11.60	0.000	1.000	1.000	112.2
0.000	0.000	Strato2_3095_82743_L_0											
60 D	22.84	2.1725E-05	227.3	114.2	227.3	114.2	V-C	2.4402E+04	-11.80	0.000	1.000	1.000	114.2
0.000	0.000	Strato2_3095_82743_L_0											
61 D	23.23	2.1413E-05	231.3	116.2	231.3	116.2	V-C	2.4402E+04	-12.00	0.000	1.000	1.000	116.2
0.000	0.000	Strato2_3095_82743_L_0											
62 D	23.63	2.1158E-05	235.3	118.2	235.3	118.2	V-C	2.4402E+04	-12.20	0.000	1.000	1.000	118.2
0.000	0.000	Strato2_3095_82743_L_0											
63 D	24.03	2.0954E-05	239.3	120.2	239.3	120.2	V-C	2.4402E+04	-12.40	0.000	1.000	1.000	120.2
0.000	0.000	Strato2_3095_82743_L_0											
64 D	24.43	2.0795E-05	243.3	122.2	243.3	122.2	V-C	2.4402E+04	-12.60	0.000	1.000	1.000	

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122.2       0.000       0.000     Strato2_3095_82743_L_0
  65 D   24.83      2.0676E-05   247.3       124.2       247.3       124.2            V-C  2.4402E+04  -12.80       0.000       1.000       1.000
124.2       0.000       0.000     Strato2_3095_82743_L_0
  66 D   25.23      2.0593E-05   251.3       126.2       251.3       126.2            V-C  2.4402E+04  -13.00       0.000       1.000       1.000
126.2       0.000       0.000     Strato2_3095_82743_L_0
  67 D   25.63      2.0539E-05   255.3       128.2       255.3       128.2            V-C  2.4402E+04  -13.20       0.000       1.000       1.000
128.2       0.000       0.000     Strato2_3095_82743_L_0
  68 D   26.03      2.0512E-05   259.3       130.2       259.3       130.2            V-C  2.4402E+04  -13.40       0.000       1.000       1.000
130.2       0.000       0.000     Strato2_3095_82743_L_0
  69 D   26.43      2.0506E-05   263.3       132.2       263.3       132.2          UL-RL  7.3205E+04  -13.60       0.000       1.000       1.000
132.2       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.83      2.0518E-05   267.3       134.2       267.3       134.2          UL-RL  7.3205E+04  -13.80       0.000       1.000       1.000
134.2       0.000       0.000     Strato2_3095_82743_L_0
  71 D   27.23      2.0545E-05   271.3       136.2       271.3       136.2          UL-RL  7.3205E+04  -14.00       0.000       1.000       1.000
136.2       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.63      2.0585E-05   275.3       138.2       275.3       138.2          UL-RL  7.3205E+04  -14.20       0.000       1.000       1.000
138.2       0.000       0.000     Strato2_3095_82743_L_0
  73 D   28.03      2.0633E-05   279.3       140.2       279.3       140.2          UL-RL  7.3205E+04  -14.40       0.000       1.000       1.000
140.2       0.000       0.000     Strato2_3095_82743_L_0
  74 D   28.43      2.0689E-05   283.3       142.2       283.3       142.2          UL-RL  7.3205E+04  -14.60       0.000       1.000       1.000
142.2       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.83      2.0751E-05   287.3       144.2       287.3       144.2          UL-RL  7.3205E+04  -14.80       0.000       1.000       1.000
144.2       0.000       0.000     Strato2_3095_82743_L_0
  76 D   29.23      2.0816E-05   291.3       146.2       291.3       146.2          UL-RL  7.3205E+04  -15.00       0.000       1.000       1.000
146.2       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.63      2.0884E-05   295.3       148.2       295.3       148.2          UL-RL  7.3205E+04  -15.20       0.000       1.000       1.000
148.2       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.03      2.0953E-05   299.3       150.2       299.3       150.2          UL-RL  7.3205E+04  -15.40       0.000       1.000       1.000
150.2       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.43      2.1024E-05   303.3       152.2       303.3       152.2          UL-RL  7.3205E+04  -15.60       0.000       1.000       1.000
152.2       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.83      2.1094E-05   307.3       154.2       307.3       154.2          UL-RL  7.3205E+04  -15.80       0.000       1.000       1.000
154.2       0.000       0.000     Strato2_3095_82743_L_0
  81 D   15.62      2.1165E-05   311.3       156.2       311.3       156.2          UL-RL  7.3205E+04  -16.00       0.000       1.000       1.000
156.2       0.000       0.000     Strato2_3095_82743_L_0

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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
 |                                   Exe Time :29 July 2019      18:01:09                                                        |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T    T I M E    I S      2.0000

  WALL2D ELEMENT

    EL      TA           TB           MA           MB
 ---------------------------------------------------------
     1 0.30400    -0.30400    -4.06009E-13 6.08000E-02
     2 0.30481    -0.30481    -6.08000E-02 0.12176
     3 0.19435    -0.19435    -0.12176     0.16063
     4 0.10204    -0.10204    -0.16063     0.18104
     5 3.70581E-02-3.70581E-02-0.18104     0.18845
     6-9.30527E-03 9.30527E-03-0.18845     0.18659
     7-4.16896E-02 4.16896E-02-0.18659     0.17825
     8-6.28804E-02 6.28804E-02-0.17825     0.16568
     9-0.14570     0.14570    -0.16568     0.13654
    10-0.21250     0.21250    -0.13654     9.40374E-02
    11-0.26577     0.26577    -9.40374E-02 4.08827E-02
    12-0.30731     0.30731    -4.08827E-02-2.05800E-02
    13-0.33846     0.33846     2.05800E-02-8.82728E-02
    14-0.36023     0.36023     8.82728E-02-0.16032
    15-0.37337     0.37337     0.16032    -0.23499
    16-0.41770     0.41770     0.23499    -0.31853
    17-0.45180     0.45180     0.31853    -0.40889
    18-0.47623     0.47623     0.40889    -0.50414
    19-0.49138     0.49138     0.50414    -0.60241
    20-0.49748     0.49748     0.60241    -0.70191
    21-0.49464     0.49464     0.70191    -0.80084
    22-0.48284     0.48284     0.80084    -0.89741
    23-0.46196     0.46196     0.89741    -0.98980
    24-0.45769     0.45769     0.98980     -1.0813
    25-0.44247     0.44247      1.0813     -1.1698
    26-0.41601     0.41601      1.1698     -1.2530
    27-0.37799     0.37799      1.2530     -1.3286
    28-0.32798     0.32798      1.3286     -1.3942
    29-0.26547     0.26547      1.3942     -1.4473
    30-0.18992     0.18992      1.4473     -1.4853
```

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   31-0.12072     0.12072      1.4853     -1.5094
   32-3.65247E-02 3.65247E-02  1.5094     -1.5168
   33 6.32929E-02-6.32929E-02  1.5168     -1.5041
   34 0.17940    -0.17940      1.5041     -1.4682
   35 0.31246    -0.31246      1.4682     -1.4057
   36 0.46314    -0.46314      1.4057     -1.3131
   37 0.63208    -0.63208      1.3131     -1.1867
   38 0.81990    -0.81990      1.1867     -1.0227
   39  1.0113     -1.0113      1.0227    -0.82044
   40  1.2230     -1.2230     0.82044    -0.57585
   41  1.4553     -1.4553     0.57585    -0.28478
   42  1.7085     -1.7085     0.28478     5.69165E-02
   43  1.9826     -1.9826    -5.69165E-02 0.45344
   44  2.2775     -2.2775    -0.45344     0.90893
   45  1.8231     -1.8231    -0.90893      1.2736
   46  1.4071     -1.4071     -1.2736      1.5550
   47  1.0403     -1.0403     -1.5550      1.7630
   48 0.72035    -0.72035     -1.7630      1.9071
   49 0.44453    -0.44453     -1.9071      1.9960
   50 0.20989    -0.20989     -1.9960      2.0380
   51 1.33759E-02-1.33759E-02 -2.0380      2.0407
   52-0.14815     0.14815     -2.0407      2.0110
   53-0.27781     0.27781     -2.0110      1.9555
   54-0.38945     0.38945     -1.9555      1.8776
   55-0.47511     0.47511     -1.8776      1.7826
   56-0.53767     0.53767     -1.7826      1.6750
   57-0.57987     0.57987     -1.6750      1.5591
   58-0.60429     0.60429     -1.5591      1.4382
   59-0.61333     0.61333     -1.4382      1.3155
   60-0.60921     0.60921     -1.3155      1.1937
   61-0.60342     0.60342     -1.1937      1.0730
   62-0.58817     0.58817     -1.0730     0.95537
   63-0.56512     0.56512    -0.95537     0.84235
   64-0.53576     0.53576    -0.84235     0.73519
   65-0.50141     0.50141    -0.73519     0.63491
   66-0.46323     0.46323    -0.63491     0.54227
   67-0.42221     0.42221    -0.54227     0.45783
   68-0.37920     0.37920    -0.45783     0.38199
   69-0.34336     0.34336    -0.38199     0.31331
   70-0.30675     0.30675    -0.31331     0.25196
   71-0.26988     0.26988    -0.25196     0.19799
   72-0.23317     0.23317    -0.19799     0.15135
   73-0.19695     0.19695    -0.15135     0.11196
   74-0.16148     0.16148    -0.11196     7.96645E-02
   75-0.12697     0.12697    -7.96645E-02 5.42708E-02
   76-0.10119     0.10119    -5.42708E-02 3.40326E-02
   77-7.65184E-02 7.65184E-02-3.40326E-02 1.87289E-02
   78-5.30315E-02 5.30315E-02-1.87289E-02 8.12258E-03
   79-3.07872E-02 3.07872E-02-8.12258E-03 1.96513E-03
   80-9.82514E-03 9.82514E-03-1.96513E-03-1.61458E-13


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                   Exe Time :29 July 2019      18:01:09                                                |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM= 949.2     REMNOR=0.1522E-22 RATIO =0.1448     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.1448     RATIOR= 0.000
           MAX UN= 7.391     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.8973E-11 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
```

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           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.4524E+05 RIMNOR= 172.5
            RENORM= 84.29     REMNOR=0.8051E-20 RATIO =0.4316E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 30.85     RMMAX = 2.041
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
            RDT   =0.4524E+05 RDR   = 172.5
            RATIOT=0.4316E-01 RATIOR= 0.000
            MAX UN= 3.962     IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
            MIN UN=-.5559E-03 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.4524E+05 RIMNOR= 172.5
            RENORM= 64.09     REMNOR=0.4465E-19 RATIO =0.3764E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 30.85     RMMAX = 2.041
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
            RDT   =0.4524E+05 RDR   = 172.5
            RATIOT=0.3764E-01 RATIOR= 0.000
            MAX UN= 4.635     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
            MIN UN=-.1937E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.4524E+05 RIMNOR= 172.5
            RENORM= 6.552     REMNOR=0.5913E-19 RATIO =0.1203E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 30.85     RMMAX = 2.041
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
            RDT   =0.4524E+05 RDR   = 172.5
            RATIOT=0.1203E-01 RATIOR= 0.000
            MAX UN= 2.045     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
            MIN UN=-.1291E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.4524E+05 RIMNOR= 172.5
            RENORM=0.6977E-17 REMNOR=0.2564E-19 RATIO =0.1242E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 30.85     RMMAX = 2.041
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
            RDT   =0.4524E+05 RDR   = 172.5
            RATIOT=0.1242E-10 RATIOR= 0.000
            MAX UN=0.9474E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
            MIN UN=-.8994E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :29 July 2019      18:01:09                                                    |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.7990062E-03  -8.7842718E-04
    2   5.6233212E-03  -8.7841996E-04
    3   5.4476401E-03  -8.7838509E-04
    4   5.2719713E-03  -8.7828922E-04
    5   5.0963315E-03  -8.7808606E-04
    6   4.9207479E-03  -8.7771742E-04
    7   4.7452602E-03  -8.7711368E-04
    8   4.5699235E-03  -8.7619389E-04
    9   4.3948099E-03  -8.7486591E-04
   10   4.2200111E-03  -8.7302741E-04
   11   4.0456405E-03  -8.7056584E-04
   12   3.8718346E-03  -8.6735738E-04
   13   3.6987563E-03  -8.6326698E-04
   14   3.5265964E-03  -8.5814843E-04
   15   3.3555760E-03  -8.5184440E-04
   16   3.1859489E-03  -8.4418643E-04
   17   3.0180036E-03  -8.3499548E-04
   18   2.8520655E-03  -8.2408199E-04
   19   2.6884990E-03  -8.1124521E-04
   20   2.5277098E-03  -7.9627332E-04
   21   2.3701444E-03  -7.7897985E-04
   22   2.2162785E-03  -7.5927659E-04
   23   2.0665914E-03  -7.3721011E-04
   24   1.9215406E-03  -7.1296186E-04
   25   1.7815359E-03  -6.8678525E-04
   26   1.6469377E-03  -6.5893990E-04
   27   1.5180538E-03  -6.2968709E-04
   28   1.3951392E-03  -5.9929012E-04
   29   1.2783969E-03  -5.6801482E-04
   30   1.1679745E-03  -5.3612910E-04
   31   1.0639681E-03  -5.0390027E-04
   32   9.6642048E-04  -4.7158077E-04
   33   8.7532662E-04  -4.3939873E-04
   34   7.9063816E-04  -4.0755904E-04
   35   7.1226835E-04  -3.7624504E-04
   36   6.4009465E-04  -3.4561942E-04
   37   5.7396506E-04  -3.1582665E-04
   38   5.1370000E-04  -2.8699385E-04
   39   4.5909610E-04  -2.5923229E-04
   40   4.0992941E-04  -2.3263935E-04
   41   3.6595708E-04  -2.0729929E-04
   42   3.2692132E-04  -1.8328491E-04
   43   2.9255060E-04  -1.6065827E-04
   44   2.6256199E-04  -1.3947194E-04
   45   2.3666298E-04  -1.1977025E-04
   46   2.1455360E-04  -1.0157492E-04
   47   1.9593297E-04  -8.4880234E-05
   48   1.8050302E-04  -6.9662871E-05
   49   1.6797188E-04  -5.5884522E-05
   50   1.5805669E-04  -4.3494594E-05
   51   1.5048559E-04  -3.2432350E-05
   52   1.4499989E-04  -2.2629617E-05
   53   1.4135487E-04  -1.4011706E-05
   54   1.3932143E-04  -6.5003710E-06
   55   1.3868634E-04  -1.4774714E-08
   56   1.3925260E-04   5.5269783E-06
   57   1.4083967E-04   1.0206949E-05
   58   1.4328334E-04   1.4106375E-05
   59   1.4643549E-04   1.7304826E-05
   60   1.5016369E-04   1.9879501E-05
   61   1.5435066E-04   2.1904645E-05
   62   1.5889362E-04   2.3450851E-05
   63   1.6370351E-04   2.4584687E-05
   64   1.6870417E-04   2.5368634E-05
   65   1.7383151E-04   2.5860872E-05
   66   1.7903265E-04   2.6115120E-05
   67   1.8426497E-04   2.6180537E-05
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    68   1.8949525E-04   2.6101667E-05
    69   1.9469868E-04   2.5918409E-05
    70   1.9985799E-04   2.5665827E-05
    71   2.0496241E-04   2.5374174E-05
    72   2.1000676E-04   2.5069134E-05
    73   2.1499058E-04   2.4771870E-05
    74   2.1991714E-04   2.4499069E-05
    75   2.2479265E-04   2.4262998E-05
    76   2.2962532E-04   2.4071547E-05
    77   2.3442447E-04   2.3928092E-05
    78   2.3919968E-04   2.3831531E-05
    79   2.4395985E-04   2.3776500E-05
    80   2.4871241E-04   2.3753383E-05
    81   2.5346265E-04   2.3748337E-05
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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
 |                                   Exe Time :29 July 2019      18:01:09                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------
   1 D  0.3040     -5.7990E-03   10.00       3.040       10.00       5.300          ACTIVE   0.000       0.000       0.000       1.000       1.000
3.040       0.000       0.000     Strato1_2_8_L_0
   2 D  0.5569     -5.6233E-03   9.159       2.784       9.159       4.854          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
2.784       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8475     -5.4476E-03   13.94       4.238       13.94       7.388          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
4.238       0.000       0.000     Strato1_2_8_L_0
   4 D   1.103     -5.2720E-03   18.14       5.515       18.14       9.614          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
5.515       0.000       0.000     Strato1_2_8_L_0
   5 D   1.347     -5.0963E-03   22.16       6.736       22.16       11.74          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
6.736       0.000       0.000     Strato1_2_8_L_0
   6 D   1.586     -4.9207E-03   26.09       7.932       26.09       13.83          ACTIVE   0.000      -1.000       0.000       1.000       1.000
7.932       0.000       0.000     Strato1_2_8_L_0
   7 D   1.823     -4.7453E-03   29.98       9.115       29.98       15.89          ACTIVE   0.000      -1.200       0.000       1.000       1.000
9.115       0.000       0.000     Strato1_2_8_L_0
   8 D   2.058     -4.5699E-03   33.85       10.29       33.85       17.94          ACTIVE   0.000      -1.400       0.000       1.000       1.000
10.29       0.000       0.000     Strato1_2_8_L_0
   9 D   2.252     -4.3948E-03   37.03       11.26       37.03       19.63          ACTIVE   0.000      -1.600       0.000       1.000       1.000
11.26       0.000       0.000     Strato1_2_8_L_0
  10 D   2.490     -4.2200E-03   40.95       12.45       40.95       21.70          ACTIVE   0.000      -1.800       0.000       1.000       1.000
12.45       0.000       0.000     Strato1_2_8_L_0
  11 D   2.726     -4.0456E-03   44.84       13.63       44.84       23.77          ACTIVE   0.000      -2.000       0.000       1.000       1.000
13.63       0.000       0.000     Strato1_2_8_L_0
  12 D   2.962     -3.8718E-03   48.72       14.81       48.72       25.82          ACTIVE   0.000      -2.200       0.000       1.000       1.000
14.81       0.000       0.000     Strato1_2_8_L_0
  13 D   3.197     -3.6988E-03   52.58       15.98       52.58       27.87          ACTIVE   0.000      -2.400       0.000       1.000       1.000
15.98       0.000       0.000     Strato1_2_8_L_0
  14 D   3.431     -3.5266E-03   56.43       17.16       56.43       29.91          ACTIVE   0.000      -2.600       0.000       1.000       1.000
17.16       0.000       0.000     Strato1_2_8_L_0
  15 D   3.665     -3.3556E-03   60.28       18.32       60.28       31.95          ACTIVE   0.000      -2.800       0.000       1.000       1.000
18.32       0.000       0.000     Strato1_2_8_L_0
  16 D   3.876     -3.1859E-03   63.75       19.38       63.75       33.79          ACTIVE   0.000      -3.000       0.000       1.000       1.000
19.38       0.000       0.000     Strato1_2_8_L_0
  17 D   4.110     -3.0180E-03   67.61       20.55       67.61       35.83          ACTIVE   0.000      -3.200       0.000       1.000       1.000
20.55       0.000       0.000     Strato1_2_8_L_0
  18 D   4.345     -2.8521E-03   71.46       21.72       71.46       37.87          ACTIVE   0.000      -3.400       0.000       1.000       1.000
21.72       0.000       0.000     Strato1_2_8_L_0
  19 D   4.578     -2.6885E-03   75.30       22.89       75.30       39.91          ACTIVE   0.000      -3.600       0.000       1.000       1.000
22.89       0.000       0.000     Strato1_2_8_L_0
  20 D   4.812     -2.5277E-03   79.14       24.06       79.14       41.95          ACTIVE   0.000      -3.800       0.000       1.000       1.000
24.06       0.000       0.000     Strato1_2_8_L_0
  21 D   5.045     -2.3701E-03   82.98       25.23       82.98       43.98          ACTIVE   0.000      -4.000       0.000       1.000       1.000
25.23       0.000       0.000     Strato1_2_8_L_0
  22 D   5.278     -2.2163E-03   86.81       26.39       86.81       46.01          ACTIVE   0.000      -4.200       0.000       1.000       1.000
26.39       0.000       0.000     Strato1_2_8_L_0
```

23 D	5.511	-2.0666E-03	90.64	27.56	90.64	48.04	ACTIVE	0.000	-4.400	0.000	1.000	1.000
27.56	0.000	0.000	Strato1_2_8_L_0									
24 D	5.729	-1.9215E-03	94.23	28.65	94.23	49.94	ACTIVE	0.000	-4.600	0.000	1.000	1.000
28.65	0.000	0.000	Strato1_2_8_L_0									
25 D	5.962	-1.7815E-03	98.06	29.81	98.06	51.97	ACTIVE	0.000	-4.800	0.000	1.000	1.000
29.81	0.000	0.000	Strato1_2_8_L_0									
26 D	6.195	-1.6469E-03	101.9	30.98	101.9	54.01	ACTIVE	0.000	-5.000	0.000	1.000	1.000
30.98	0.000	0.000	Strato1_2_8_L_0									
27 D	6.428	-1.5181E-03	105.7	32.14	105.7	56.04	ACTIVE	0.000	-5.200	0.000	1.000	1.000
32.14	0.000	0.000	Strato1_2_8_L_0									
28 D	6.661	-1.3951E-03	109.6	33.30	109.6	58.06	ACTIVE	0.000	-5.400	0.000	1.000	1.000
33.30	0.000	0.000	Strato1_2_8_L_0									
29 D	6.894	-1.2784E-03	113.4	34.47	113.4	60.09	ACTIVE	0.000	-5.600	0.000	1.000	1.000
34.47	0.000	0.000	Strato1_2_8_L_0									
30 D	7.293	-1.1680E-03	117.2	36.46	117.2	62.12	UL-RL	2.0647E+04	-5.800	0.000	1.000	1.000
36.46	0.000	0.000	Strato1_2_8_L_0									
31 D	8.113	-1.0640E-03	120.8	40.56	120.8	64.05	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
40.56	0.000	0.000	Strato1_2_8_L_0									
32 D	8.927	-9.6642E-04	124.7	44.63	124.7	66.07	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
44.63	0.000	0.000	Strato1_2_8_L_0									
33 D	9.714	-8.7533E-04	128.5	48.57	128.5	68.10	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
48.57	0.000	0.000	Strato1_2_8_L_0									
34 D	10.48	-7.9064E-04	132.3	52.38	132.3	70.13	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
52.38	0.000	0.000	Strato1_2_8_L_0									
35 D	11.21	-7.1227E-04	136.1	56.06	136.1	72.15	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
56.06	0.000	0.000	Strato1_2_8_L_0									
36 D	11.92	-6.4009E-04	140.0	59.61	140.0	74.18	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
59.61	0.000	0.000	Strato1_2_8_L_0									
37 D	12.61	-5.7397E-04	143.8	63.04	143.8	76.20	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
63.04	0.000	0.000	Strato1_2_8_L_0									
38 D	13.27	-5.1370E-04	147.6	66.34	147.6	78.23	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
66.34	0.000	0.000	Strato1_2_8_L_0									
39 D	13.89	-4.5910E-04	151.3	69.45	151.3	80.17	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
69.45	0.000	0.000	Strato1_2_8_L_0									
40 D	14.51	-4.0993E-04	155.1	72.54	155.1	82.20	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
72.54	0.000	0.000	Strato1_2_8_L_0									
41 D	15.10	-3.6596E-04	158.9	75.51	158.9	84.22	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
75.51	0.000	0.000	Strato1_2_8_L_0									
42 D	15.68	-3.2692E-04	162.7	78.39	162.7	86.25	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
78.39	0.000	0.000	Strato1_2_8_L_0									
43 D	16.23	-2.9255E-04	166.5	81.16	166.5	88.27	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
81.16	0.000	0.000	Strato1_2_8_L_0									
44 D	16.77	-2.6256E-04	170.4	83.85	170.4	90.29	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
83.85	0.000	0.000	Strato1_2_8_L_0									
45 D	14.11	-2.3666E-04	174.3	70.55	174.3	87.14	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
70.55	0.000	0.000	Strato2_3095_82743_L_0									
46 D	14.78	-2.1455E-04	178.2	73.90	178.2	89.09	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
73.90	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.42	-1.9593E-04	182.2	77.11	182.2	91.09	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
77.11	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.03	-1.8050E-04	186.2	80.13	186.2	93.10	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
80.13	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.59	-1.6797E-04	190.2	82.97	190.2	95.11	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
82.97	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.13	-1.5806E-04	194.2	85.65	194.2	97.12	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.65	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.64	-1.5049E-04	198.3	88.19	198.3	99.13	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
88.19	0.000	0.000	Strato2_3095_82743_L_0									
52 D	18.12	-1.4500E-04	202.3	90.60	202.3	101.1	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
90.60	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.58	-1.4135E-04	206.3	92.89	206.3	103.1	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
92.89	0.000	0.000	Strato2_3095_82743_L_0									
54 D	19.01	-1.3932E-04	210.2	95.03	210.2	105.1	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
95.03	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.43	-1.3869E-04	214.2	97.14	214.2	107.1	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
97.14	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.83	-1.3925E-04	218.2	99.16	218.2	109.1	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
99.16	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.22	-1.4084E-04	222.2	101.1	222.2	111.1	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
101.1	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.61	-1.4328E-04	226.2	103.0	226.2	113.1	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
103.0	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.98	-1.4644E-04	230.3	104.9	230.3	115.1	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
104.9	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.34	-1.5016E-04	234.3	106.7	234.3	117.1	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
106.7	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.69	-1.5435E-04	238.2	108.4	238.2	119.1	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
108.4	0.000	0.000	Strato2_3095_82743_L_0									
62 D	22.04	-1.5889E-04	242.2	110.2	242.2	121.1	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
110.2	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.39	-1.6370E-04	246.2	111.9	246.2	123.1	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.73	-1.6870E-04	250.2	113.7	250.2	125.1	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.08	-1.7383E-04	254.2	115.4	254.2	127.1	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000

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115.4      0.000      0.000     Strato2_3095_82743_L_0
 66 D   23.42    -1.7903E-04  258.2       117.1       258.2       129.1           UL-RL  5.8408E+04  -13.00      0.000      1.000      1.000
117.1      0.000      0.000     Strato2_3095_82743_L_0
 67 D   23.76    -1.8426E-04  262.3       118.8       262.3       131.1           UL-RL  5.8408E+04  -13.20      0.000      1.000      1.000
118.8      0.000      0.000     Strato2_3095_82743_L_0
 68 D   24.10    -1.8950E-04  266.3       120.5       266.3       133.1           UL-RL  5.8408E+04  -13.40      0.000      1.000      1.000
120.5      0.000      0.000     Strato2_3095_82743_L_0
 69 D   24.43    -1.9470E-04  270.2       122.2       270.2       135.1           UL-RL  5.8408E+04  -13.60      0.000      1.000      1.000
122.2      0.000      0.000     Strato2_3095_82743_L_0
 70 D   24.77    -1.9986E-04  274.2       123.9       274.2       137.1           UL-RL  5.8408E+04  -13.80      0.000      1.000      1.000
123.9      0.000      0.000     Strato2_3095_82743_L_0
 71 D   25.11    -2.0496E-04  278.2       125.6       278.2       139.1           UL-RL  5.8408E+04  -14.00      0.000      1.000      1.000
125.6      0.000      0.000     Strato2_3095_82743_L_0
 72 D   25.45    -2.1001E-04  282.2       127.3       282.2       141.1           UL-RL  5.8408E+04  -14.20      0.000      1.000      1.000
127.3      0.000      0.000     Strato2_3095_82743_L_0
 73 D   25.80    -2.1499E-04  286.2       129.0       286.2       143.1           UL-RL  5.8408E+04  -14.40      0.000      1.000      1.000
129.0      0.000      0.000     Strato2_3095_82743_L_0
 74 D   26.14    -2.1992E-04  290.3       130.7       290.3       145.1           UL-RL  5.8408E+04  -14.60      0.000      1.000      1.000
130.7      0.000      0.000     Strato2_3095_82743_L_0
 75 D   26.48    -2.2479E-04  294.3       132.4       294.3       147.1           UL-RL  5.8408E+04  -14.80      0.000      1.000      1.000
132.4      0.000      0.000     Strato2_3095_82743_L_0
 76 D   26.82    -2.2963E-04  298.2       134.1       298.2       149.1           UL-RL  5.8408E+04  -15.00      0.000      1.000      1.000
134.1      0.000      0.000     Strato2_3095_82743_L_0
 77 D   27.16    -2.3442E-04  302.2       135.8       302.2       151.1           UL-RL  5.8408E+04  -15.20      0.000      1.000      1.000
135.8      0.000      0.000     Strato2_3095_82743_L_0
 78 D   27.51    -2.3920E-04  306.2       137.5       306.2       153.1           UL-RL  5.8408E+04  -15.40      0.000      1.000      1.000
137.5      0.000      0.000     Strato2_3095_82743_L_0
 79 D   27.85    -2.4396E-04  310.2       139.3       310.2       155.1           UL-RL  5.8408E+04  -15.60      0.000      1.000      1.000
139.3      0.000      0.000     Strato2_3095_82743_L_0
 80 D   28.19    -2.4871E-04  314.2       141.0       314.2       157.1           UL-RL  5.8408E+04  -15.80      0.000      1.000      1.000
141.0      0.000      0.000     Strato2_3095_82743_L_0
 81 D   14.27    -2.5346E-04  318.2       142.7       318.2       159.1           UL-RL  5.8408E+04  -16.00      0.000      1.000      1.000
142.7      0.000      0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                           |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                          |
 |                                   Exe Time :29 July 2019      18:01:09                                    |
 +-----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                 :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL       PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p       LAYER
------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1    0.000        --          --          --          --          --        REMOVED     --        0.000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   2    0.000        --          --          --          --          --        REMOVED     --      -0.2000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   3    0.000        --          --          --          --          --        REMOVED     --      -0.4000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   4    0.000        --          --          --          --          --        REMOVED     --      -0.6000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   5    0.000        --          --          --          --          --        REMOVED     --      -0.8000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   6    0.000        --          --          --          --          --        REMOVED     --       -1.000      0.000      1.000      1.000
0.000      0.000      0.000     not available
   7    0.000        --          --          --          --          --        REMOVED     --       -1.200      0.000      1.000      1.000
0.000      0.000      0.000     not available
   8    0.000        --          --          --          --          --        REMOVED     --       -1.400      0.000      1.000      1.000
0.000      0.000      0.000     not available
   9    0.000        --          --          --          --          --        REMOVED     --       -1.600      0.000      1.000      1.000
0.000      0.000      0.000     not available
  10    0.000        --          --          --          --          --        REMOVED     --       -1.800      0.000      1.000      1.000
0.000      0.000      0.000     not available
  11    0.000        --          --          --          --          --        REMOVED     --       -2.000      0.000      1.000      1.000
0.000      0.000      0.000     not available
  12    0.000        --          --          --          --          --        REMOVED     --       -2.200      0.000      1.000      1.000
0.000      0.000      0.000     not available
  13    0.000        --          --          --          --          --        REMOVED     --       -2.400      0.000      1.000      1.000
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0.000	0.000	0.000	not available										
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
20 D	1.536	2.5277E-03	1.900	7.678	72.20	38.96	PASSIVE	0.000	-3.800	0.000	1.000	1.000	
7.678	0.000	0.000	Strato1_2_8_L_0										
21 D	4.607	2.3701E-03	5.700	23.03	76.00	40.97	PASSIVE	0.000	-4.000	0.000	1.000	1.000	
23.03	0.000	0.000	Strato1_2_8_L_0										
22 D	7.678	2.2163E-03	9.500	38.39	79.80	42.98	PASSIVE	0.000	-4.200	0.000	1.000	1.000	
38.39	0.000	0.000	Strato1_2_8_L_0										
23 D	10.75	2.0666E-03	13.30	53.75	83.60	53.75	PASSIVE	0.000	-4.400	0.000	1.000	1.000	
53.75	0.000	0.000	Strato1_2_8_L_0										
24 D	11.18	1.9215E-03	17.10	55.88	87.40	55.88	V-C	4776.	-4.600	0.000	1.000	1.000	
55.88	0.000	0.000	Strato1_2_8_L_0										
25 D	11.44	1.7815E-03	20.90	57.22	91.20	57.22	V-C	4776.	-4.800	0.000	1.000	1.000	
57.22	0.000	0.000	Strato1_2_8_L_0										
26 D	11.72	1.6469E-03	24.70	58.59	95.00	58.59	V-C	4776.	-5.000	0.000	1.000	1.000	
58.59	0.000	0.000	Strato1_2_8_L_0										
27 D	12.00	1.5181E-03	28.50	59.99	98.80	59.99	V-C	4776.	-5.200	0.000	1.000	1.000	
59.99	0.000	0.000	Strato1_2_8_L_0										
28 D	12.28	1.3951E-03	32.30	61.41	102.6	61.41	V-C	4776.	-5.400	0.000	1.000	1.000	
61.41	0.000	0.000	Strato1_2_8_L_0										
29 D	12.57	1.2784E-03	36.10	62.86	106.4	62.86	V-C	4776.	-5.600	0.000	1.000	1.000	
62.86	0.000	0.000	Strato1_2_8_L_0										
30 D	12.87	1.1680E-03	39.90	64.34	110.2	64.34	V-C	4776.	-5.800	0.000	1.000	1.000	
64.34	0.000	0.000	Strato1_2_8_L_0										
31 D	13.17	1.0640E-03	43.70	65.85	114.0	65.85	V-C	4776.	-6.000	0.000	1.000	1.000	
65.85	0.000	0.000	Strato1_2_8_L_0										
32 D	13.48	9.6642E-04	47.50	67.39	117.8	67.39	V-C	4776.	-6.200	0.000	1.000	1.000	
67.39	0.000	0.000	Strato1_2_8_L_0										
33 D	13.79	8.7533E-04	51.30	68.97	121.6	68.97	V-C	4776.	-6.400	0.000	1.000	1.000	
68.97	0.000	0.000	Strato1_2_8_L_0										
34 D	14.11	7.9064E-04	55.10	70.57	125.4	70.57	V-C	4776.	-6.600	0.000	1.000	1.000	
70.57	0.000	0.000	Strato1_2_8_L_0										
35 D	14.44	7.1227E-04	58.90	72.20	129.2	72.20	V-C	4776.	-6.800	0.000	1.000	1.000	
72.20	0.000	0.000	Strato1_2_8_L_0										
36 D	14.77	6.4009E-04	62.70	73.86	133.0	73.86	V-C	4776.	-7.000	0.000	1.000	1.000	
73.86	0.000	0.000	Strato1_2_8_L_0										
37 D	15.11	5.7397E-04	66.50	75.55	136.8	75.55	V-C	4776.	-7.200	0.000	1.000	1.000	
75.55	0.000	0.000	Strato1_2_8_L_0										
38 D	15.45	5.1370E-04	70.30	77.27	140.6	77.27	V-C	4776.	-7.400	0.000	1.000	1.000	
77.27	0.000	0.000	Strato1_2_8_L_0										
39 D	15.80	4.5910E-04	74.10	79.01	144.4	79.01	V-C	4776.	-7.600	0.000	1.000	1.000	
79.01	0.000	0.000	Strato1_2_8_L_0										
40 D	16.16	4.0993E-04	77.90	80.78	148.2	80.78	V-C	4776.	-7.800	0.000	1.000	1.000	
80.78	0.000	0.000	Strato1_2_8_L_0										
41 D	16.51	3.6596E-04	81.70	82.57	152.0	82.57	V-C	4776.	-8.000	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
42 D	16.88	3.2692E-04	85.50	84.39	155.8	84.39	V-C	4776.	-8.200	0.000	1.000	1.000	
84.39	0.000	0.000	Strato1_2_8_L_0										
43 D	17.25	2.9255E-04	89.30	86.23	159.6	86.23	V-C	4776.	-8.400	0.000	1.000	1.000	
86.23	0.000	0.000	Strato1_2_8_L_0										
44 D	17.62	2.6256E-04	93.10	88.09	163.4	88.09	V-C	4776.	-8.600	0.000	1.000	1.000	
88.09	0.000	0.000	Strato1_2_8_L_0										
45 D	14.18	2.3666E-04	97.00	70.92	167.3	84.54	UL-RL	3.1656E+04	-8.800	0.000	1.000	1.000	
70.92	0.000	0.000	Strato2_3095_82743_L_0										
46 D	14.46	2.1455E-04	101.0	72.30	171.3	86.50	UL-RL	3.1656E+04	-9.000	0.000	1.000	1.000	
72.30	0.000	0.000	Strato2_3095_82743_L_0										
47 D	14.76	1.9593E-04	105.0	73.79	175.3	88.46	UL-RL	3.1656E+04	-9.200	0.000	1.000	1.000	
73.79	0.000	0.000	Strato2_3095_82743_L_0										
48 D	15.08	1.8050E-04	109.0	75.38	179.3	90.43	UL-RL	3.1656E+04	-9.400	0.000	1.000	1.000	
75.38	0.000	0.000	Strato2_3095_82743_L_0										
49 D	15.41	1.6797E-04	113.0	77.05	183.3	92.39	UL-RL	3.1656E+04	-9.600	0.000	1.000	1.000	
77.05	0.000	0.000	Strato2_3095_82743_L_0										
50 D	15.76	1.5806E-04	117.0	78.81	187.3	94.36	UL-RL	3.1656E+04	-9.800	0.000	1.000	1.000	
78.81	0.000	0.000	Strato2_3095_82743_L_0										
51 D	16.13	1.5049E-04	121.0	80.63	191.3	96.33	UL-RL	3.1656E+04	-10.00	0.000	1.000	1.000	
80.63	0.000	0.000	Strato2_3095_82743_L_0										
52 D	16.50	1.4500E-04	125.0	82.52	195.3	98.31	UL-RL	3.1656E+04	-10.20	0.000	1.000	1.000	
82.52	0.000	0.000	Strato2_3095_82743_L_0										
53 D	16.89	1.4135E-04	129.0	84.46	199.3	100.3	UL-RL	3.1656E+04	-10.40	0.000	1.000	1.000	
84.46	0.000	0.000	Strato2_3095_82743_L_0										
54 D	17.29	1.3932E-04	133.0	86.44	203.3	102.3	UL-RL	3.1656E+04	-10.60	0.000	1.000	1.000	
86.44	0.000	0.000	Strato2_3095_82743_L_0										
55 D	17.69	1.3869E-04	137.0	88.47	207.3	104.2	UL-RL	3.1656E+04	-10.80	0.000	1.000	1.000	
88.47	0.000	0.000	Strato2_3095_82743_L_0										

```
  56 D   18.11     1.3925E-04  141.0      90.54      211.3        106.2            UL-RL  3.1656E+04  -11.00        0.000         1.000         1.000
90.54       0.000       0.000    Strato2_3095_82743_L_0
  57 D   18.53     1.4084E-04  145.0      92.63      215.3        108.2            UL-RL  3.1656E+04  -11.20        0.000         1.000         1.000
92.63       0.000       0.000    Strato2_3095_82743_L_0
  58 D   18.95     1.4328E-04  149.0      94.75      219.3        110.2            UL-RL  3.1656E+04  -11.40        0.000         1.000         1.000
94.75       0.000       0.000    Strato2_3095_82743_L_0
  59 D   19.38     1.4644E-04  153.0      96.89      223.3        112.2            UL-RL  3.1656E+04  -11.60        0.000         1.000         1.000
96.89       0.000       0.000    Strato2_3095_82743_L_0
  60 D   19.81     1.5016E-04  157.0      99.05      227.3        114.2            UL-RL  3.1656E+04  -11.80        0.000         1.000         1.000
99.05       0.000       0.000    Strato2_3095_82743_L_0
  61 D   20.24     1.5435E-04  161.0      101.2      231.3        116.2            UL-RL  3.1656E+04  -12.00        0.000         1.000         1.000
101.2       0.000       0.000    Strato2_3095_82743_L_0
  62 D   20.68     1.5889E-04  165.0      103.4      235.3        118.2            UL-RL  3.1656E+04  -12.20        0.000         1.000         1.000
103.4       0.000       0.000    Strato2_3095_82743_L_0
  63 D   21.12     1.6370E-04  169.0      105.6      239.3        120.2            UL-RL  3.1656E+04  -12.40        0.000         1.000         1.000
105.6       0.000       0.000    Strato2_3095_82743_L_0
  64 D   21.55     1.6870E-04  173.0      107.8      243.3        122.2            UL-RL  3.1656E+04  -12.60        0.000         1.000         1.000
107.8       0.000       0.000    Strato2_3095_82743_L_0
  65 D   21.99     1.7383E-04  177.0      110.0      247.3        124.2            UL-RL  3.1656E+04  -12.80        0.000         1.000         1.000
110.0       0.000       0.000    Strato2_3095_82743_L_0
  66 D   22.43     1.7903E-04  181.0      112.2      251.3        126.2            UL-RL  3.1656E+04  -13.00        0.000         1.000         1.000
112.2       0.000       0.000    Strato2_3095_82743_L_0
  67 D   22.87     1.8426E-04  185.0      114.3      255.3        128.2            UL-RL  3.1656E+04  -13.20        0.000         1.000         1.000
114.3       0.000       0.000    Strato2_3095_82743_L_0
  68 D   23.31     1.8950E-04  189.0      116.5      259.3        130.2            UL-RL  3.1656E+04  -13.40        0.000         1.000         1.000
116.5       0.000       0.000    Strato2_3095_82743_L_0
  69 D   23.75     1.9470E-04  193.0      118.7      263.3        132.2            UL-RL  3.1656E+04  -13.60        0.000         1.000         1.000
118.7       0.000       0.000    Strato2_3095_82743_L_0
  70 D   24.18     1.9986E-04  197.0      120.9      267.3        134.2            UL-RL  3.1656E+04  -13.80        0.000         1.000         1.000
120.9       0.000       0.000    Strato2_3095_82743_L_0
  71 D   24.62     2.0496E-04  201.0      123.1      271.3        136.2            UL-RL  3.1656E+04  -14.00        0.000         1.000         1.000
123.1       0.000       0.000    Strato2_3095_82743_L_0
  72 D   25.06     2.1001E-04  205.0      125.3      275.3        138.2            UL-RL  3.1656E+04  -14.20        0.000         1.000         1.000
125.3       0.000       0.000    Strato2_3095_82743_L_0
  73 D   25.49     2.1499E-04  209.0      127.5      279.3        140.2            UL-RL  3.1656E+04  -14.40        0.000         1.000         1.000
127.5       0.000       0.000    Strato2_3095_82743_L_0
  74 D   25.93     2.1992E-04  213.0      129.6      283.3        142.2            UL-RL  3.1656E+04  -14.60        0.000         1.000         1.000
129.6       0.000       0.000    Strato2_3095_82743_L_0
  75 D   26.36     2.2479E-04  217.0      131.8      287.3        144.2            UL-RL  3.1656E+04  -14.80        0.000         1.000         1.000
131.8       0.000       0.000    Strato2_3095_82743_L_0
  76 D   26.80     2.2963E-04  221.0      134.0      291.3        146.2            UL-RL  3.1656E+04  -15.00        0.000         1.000         1.000
134.0       0.000       0.000    Strato2_3095_82743_L_0
  77 D   27.23     2.3442E-04  225.0      136.2      295.3        148.2            UL-RL  3.1656E+04  -15.20        0.000         1.000         1.000
136.2       0.000       0.000    Strato2_3095_82743_L_0
  78 D   27.66     2.3920E-04  229.0      138.3      299.3        150.2            UL-RL  3.1656E+04  -15.40        0.000         1.000         1.000
138.3       0.000       0.000    Strato2_3095_82743_L_0
  79 D   28.10     2.4396E-04  233.0      140.5      303.3        152.2            UL-RL  3.1656E+04  -15.60        0.000         1.000         1.000
140.5       0.000       0.000    Strato2_3095_82743_L_0
  80 D   28.53     2.4871E-04  237.0      142.7      307.3        154.2            UL-RL  3.1656E+04  -15.80        0.000         1.000         1.000
142.7       0.000       0.000    Strato2_3095_82743_L_0
  81 D   14.48     2.5346E-04  241.0      144.8      311.3        156.2            UL-RL  3.1656E+04  -16.00        0.000         1.000         1.000
144.8       0.000       0.000    Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
 |                                                                                                                       |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                                      |
 |                                   Exe Time :29 July 2019      18:01:09                                                |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

 WallElement_33                          :
 ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T    T I M E    I S       3.0000

  WALL2D ELEMENT

    EL      TA          TB           MA           MB
 -----------------------------------------------------
     1 0.30400     -0.30400     3.09147E-11 6.08000E-02
     2 0.86087     -0.86087    -6.08000E-02 0.23297
     3  1.7084     -1.7084     -0.23297     0.57465
     4  2.8113     -2.8113     -0.57465      1.1369
     5  4.1585     -4.1585      -1.1369      1.9686
     6  5.7449     -5.7449      -1.9686      3.1176
     7  7.5680     -7.5680      -3.1176      4.6312
     8  9.6262     -9.6262      -4.6312      6.5564
     9  11.878     -11.878      -6.5564      8.9320
    10  14.367     -14.367      -8.9320      11.805
```

11	17.094	-17.094	-11.805	15.224
12	20.056	-20.056	-15.224	19.235
13	23.252	-23.252	-19.235	23.886
14	26.683	-26.683	-23.886	29.223
15	30.348	-30.348	-29.223	35.292
16	34.224	-34.224	-35.292	42.137
17	38.334	-38.334	-42.137	49.804
18	42.679	-42.679	-49.804	58.340
19	47.257	-47.257	-58.340	67.791
20	50.534	-50.534	-67.791	77.898
21	50.972	-50.972	-77.898	88.092
22	48.573	-48.573	-88.092	97.807
23	43.335	-43.335	-97.807	106.47
24	37.887	-37.887	-106.47	114.05
25	32.405	-32.405	-114.05	120.53
26	26.882	-26.882	-120.53	125.91
27	21.313	-21.313	-125.91	130.17
28	15.692	-15.692	-130.17	133.31
29	10.014	-10.014	-133.31	135.31
30	4.4386	-4.4386	-135.31	136.20
31	-0.61908	0.61908	-136.20	136.08
32	-5.1710	5.1710	-136.08	135.04
33	-9.2496	9.2496	-135.04	133.19
34	-12.887	12.887	-133.19	130.61
35	-16.116	16.116	-130.61	127.39
36	-18.966	18.966	-127.39	123.60
37	-21.469	21.469	-123.60	119.30
38	-23.654	23.654	-119.30	114.57
39	-25.566	25.566	-114.57	109.46
40	-27.214	27.214	-109.46	104.02
41	-28.627	28.627	-104.02	98.292
42	-29.828	29.828	-98.292	92.326
43	-30.842	30.842	-92.326	86.158
44	-31.691	31.691	-86.158	79.820
45	-31.765	31.765	-79.820	73.467
46	-31.446	31.446	-73.467	67.178
47	-30.782	30.782	-67.178	61.021
48	-29.833	29.833	-61.021	55.055
49	-28.649	28.649	-55.055	49.325
50	-27.279	27.279	-49.325	43.869
51	-25.767	25.767	-43.869	38.716
52	-24.150	24.150	-38.716	33.886
53	-22.462	22.462	-33.886	29.393
54	-20.745	20.745	-29.393	25.245
55	-19.012	19.012	-25.245	21.442
56	-17.288	17.288	-21.442	17.984
57	-15.591	15.591	-17.984	14.866
58	-13.936	13.936	-14.866	12.079
59	-12.339	12.339	-12.079	9.6113
60	-10.809	10.809	-9.6113	7.4495
61	-9.3652	9.3652	-7.4495	5.5765
62	-8.0049	8.0049	-5.5765	3.9755
63	-6.7333	6.7333	-3.9755	2.6289
64	-5.5543	5.5543	-2.6289	1.5180
65	-4.4705	4.4705	-1.5180	0.62391
66	-3.4835	3.4835	-0.62391	-7.27968E-02
67	-2.5943	2.5943	7.27968E-02	-0.59165
68	-1.8028	1.8028	0.59165	-0.95221
69	-1.1173	1.1173	0.95221	-1.1757
70	-0.52846	0.52846	1.1757	-1.2814
71	-3.54059E-02	3.54059E-02	1.2814	-1.2884
72	0.36291	-0.36291	1.2884	-1.2159
73	0.66756	-0.66756	1.2159	-1.0824
74	0.87958	-0.87958	1.0824	-0.90643
75	0.99993	-0.99993	0.90643	-0.70645
76	1.0218	-1.0218	0.70645	-0.50209
77	0.95355	-0.95355	0.50209	-0.31138
78	0.79572	-0.79572	0.31138	-0.15224
79	0.54865	-0.54865	0.15224	-4.25069E-02
80	0.21252	-0.21252	4.25069E-02	-1.09937E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:01:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

```
Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM= 8234.     REMNOR=0.2564E-19 RATIO =0.2516     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.2516     RATIOR= 0.000
           MAX UN=0.9474E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM= 9.390     REMNOR=0.1956E-19 RATIO =0.8498E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.8498E-02 RATIOR= 0.000
           MAX UN=0.6921E-09 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-1.406     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM=0.1496     REMNOR=0.1776E-19 RATIO =0.1073E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.1073E-02 RATIOR= 0.000
           MAX UN=0.6619E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.3443     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM=0.4677E-04 REMNOR=0.2424E-19 RATIO =0.1897E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.1897E-04 RATIOR= 0.000
           MAX UN=0.8744E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.6839E-02 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                  Exe Time :29 July 2019      18:01:09                                             |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.7831847E-03  -8.0851834E-04
    2   4.6214829E-03  -8.0849095E-04
    3   4.4597955E-03  -8.0835626E-04
    4   4.2981552E-03  -8.0799940E-04
    5   4.1366194E-03  -8.0728700E-04
    6   3.9752741E-03  -8.0606889E-04
    7   3.8142367E-03  -8.0417866E-04
    8   3.6536596E-03  -8.0143391E-04
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9	3.4937333E-03	-7.9763648E-04
10	3.3346893E-03	-7.9257395E-04
11	3.1768032E-03	-7.8601961E-04
12	3.0203971E-03	-7.7773092E-04
13	2.8658436E-03	-7.6744971E-04
14	2.7135683E-03	-7.5490228E-04
15	2.5640531E-03	-7.3979950E-04
16	2.4178392E-03	-7.2183699E-04
17	2.2755302E-03	-7.0069605E-04
18	2.1376512E-03	-6.7819776E-04
19	2.0042208E-03	-6.5615275E-04
20	1.8751832E-03	-6.3421205E-04
21	1.7505525E-03	-6.1202443E-04
22	1.6304091E-03	-5.8930113E-04
23	1.5148780E-03	-5.6588852E-04
24	1.4041007E-03	-5.4177911E-04
25	1.2982083E-03	-5.1704880E-04
26	1.1973164E-03	-4.9179100E-04
27	1.1015200E-03	-4.6611205E-04
28	1.0108916E-03	-4.4013145E-04
29	9.2547907E-04	-4.1398198E-04
30	8.4530083E-04	-3.8780921E-04
31	7.7034660E-04	-3.6176823E-04
32	7.0057475E-04	-3.3600912E-04
33	6.3591515E-04	-3.1066711E-04
34	5.7627204E-04	-2.8586319E-04
35	5.2152707E-04	-2.6170530E-04
36	4.7154076E-04	-2.3828894E-04
37	4.2615641E-04	-2.1569888E-04
38	3.8520115E-04	-1.9400967E-04
39	3.4848812E-04	-1.7328674E-04
40	3.1581835E-04	-1.5358770E-04
41	2.8698159E-04	-1.3496288E-04
42	2.6175865E-04	-1.1745632E-04
43	2.3992197E-04	-1.0110613E-04
44	2.2123691E-04	-8.5945329E-05
45	2.0546271E-04	-7.2002607E-05
46	1.9235464E-04	-5.9279537E-05
47	1.8167149E-04	-4.7747551E-05
48	1.7317881E-04	-3.7367724E-05
49	1.6665076E-04	-2.8092520E-05
50	1.6187180E-04	-1.9867631E-05
51	1.5863769E-04	-1.2633425E-05
52	1.5675663E-04	-6.3267595E-06
53	1.5604959E-04	-8.8159892E-07
54	1.5635102E-04	3.7690646E-06
55	1.5750874E-04	7.6925016E-06
56	1.5938398E-04	1.0955276E-05
57	1.6185117E-04	1.3622793E-05
58	1.6479765E-04	1.5758693E-05
59	1.6812329E-04	1.7424363E-05
60	1.7173996E-04	1.8678525E-05
61	1.7557099E-04	1.9576926E-05
62	1.7955050E-04	2.0171856E-05
63	1.8362274E-04	2.0511976E-05
64	1.8774131E-04	2.0642415E-05
65	1.9186850E-04	2.0604693E-05
66	1.9597451E-04	2.0436677E-05
67	2.0003676E-04	2.0172567E-05
68	2.0403916E-04	1.9842917E-05
69	2.0797135E-04	1.9474663E-05
70	2.1182800E-04	1.9090973E-05
71	2.1560801E-04	1.8711307E-05
72	2.1931386E-04	1.8351677E-05
73	2.2295086E-04	1.8024713E-05
74	2.2652654E-04	1.7739718E-05
75	2.3004995E-04	1.7502729E-05
76	2.3353102E-04	1.7316562E-05
77	2.3697993E-04	1.7180674E-05
78	2.4040638E-04	1.7091202E-05
79	2.4381904E-04	1.7041168E-05
80	2.4722481E-04	1.7020506E-05
81	2.5062849E-04	1.7016066E-05

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+-------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      18:01:09                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project
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S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	1.154	-4.7832E-03	10.00	11.54	10.00	11.54	V-C	6882.	0.000	0.000	1.000	1.000
11.54	0.000	0.000	Strato1_2_8_L_0									
2 D	2.212	-4.6215E-03	9.159	11.06	9.159	11.06	V-C	6882.	-0.2000	0.000	1.000	1.000
11.06	0.000	0.000	Strato1_2_8_L_0									
3 D	2.627	-4.4598E-03	13.94	13.14	13.94	13.14	V-C	6882.	-0.4000	0.000	1.000	1.000
13.14	0.000	0.000	Strato1_2_8_L_0									
4 D	2.990	-4.2982E-03	18.14	14.95	18.14	14.95	V-C	6882.	-0.6000	0.000	1.000	1.000
14.95	0.000	0.000	Strato1_2_8_L_0									
5 D	3.336	-4.1366E-03	22.16	16.68	22.16	16.68	V-C	6882.	-0.8000	0.000	1.000	1.000
16.68	0.000	0.000	Strato1_2_8_L_0									
6 D	3.674	-3.9753E-03	26.09	18.37	26.09	18.37	V-C	6882.	-1.000	0.000	1.000	1.000
18.37	0.000	0.000	Strato1_2_8_L_0									
7 D	4.008	-3.8142E-03	29.98	20.04	29.98	20.04	V-C	6882.	-1.200	0.000	1.000	1.000
20.04	0.000	0.000	Strato1_2_8_L_0									
8 D	4.340	-3.6537E-03	33.85	21.70	33.85	21.70	V-C	6882.	-1.400	0.000	1.000	1.000
21.70	0.000	0.000	Strato1_2_8_L_0									
9 D	4.608	-3.4937E-03	37.03	23.04	37.03	23.04	V-C	6882.	-1.600	0.000	1.000	1.000
23.04	0.000	0.000	Strato1_2_8_L_0									
10 D	4.942	-3.3347E-03	40.95	24.71	40.95	24.71	V-C	6882.	-1.800	0.000	1.000	1.000
24.71	0.000	0.000	Strato1_2_8_L_0									
11 D	5.273	-3.1768E-03	44.84	26.37	44.84	26.37	V-C	6882.	-2.000	0.000	1.000	1.000
26.37	0.000	0.000	Strato1_2_8_L_0									
12 D	5.602	-3.0204E-03	48.72	28.01	48.72	28.01	V-C	6882.	-2.200	0.000	1.000	1.000
28.01	0.000	0.000	Strato1_2_8_L_0									
13 D	5.928	-2.8658E-03	52.58	29.64	52.58	29.64	V-C	6882.	-2.400	0.000	1.000	1.000
29.64	0.000	0.000	Strato1_2_8_L_0									
14 D	6.251	-2.7136E-03	56.43	31.25	56.43	31.25	V-C	6882.	-2.600	0.000	1.000	1.000
31.25	0.000	0.000	Strato1_2_8_L_0									
15 D	6.571	-2.5641E-03	60.28	32.85	60.28	32.85	V-C	6882.	-2.800	0.000	1.000	1.000
32.85	0.000	0.000	Strato1_2_8_L_0									
16 D	6.854	-2.4178E-03	63.75	34.27	63.75	34.27	V-C	6882.	-3.000	0.000	1.000	1.000
34.27	0.000	0.000	Strato1_2_8_L_0									
17 D	7.170	-2.2755E-03	67.61	35.85	67.61	35.85	V-C	6882.	-3.200	0.000	1.000	1.000
35.85	0.000	0.000	Strato1_2_8_L_0									
18 D	7.295	-2.1377E-03	71.46	36.47	71.46	37.87	UL-RL	2.0647E+04	-3.400	0.000	1.000	1.000
36.47	0.000	0.000	Strato1_2_8_L_0									
19 D	7.404	-2.0042E-03	75.30	37.02	75.30	39.91	UL-RL	2.0647E+04	-3.600	0.000	1.000	1.000
37.02	0.000	0.000	Strato1_2_8_L_0									
20 D	7.507	-1.8752E-03	79.14	37.53	79.14	41.95	UL-RL	2.0647E+04	-3.800	0.000	1.000	1.000
37.53	0.000	0.000	Strato1_2_8_L_0									
21 D	7.604	-1.7506E-03	82.98	38.02	82.98	43.98	UL-RL	2.0647E+04	-4.000	0.000	1.000	1.000
38.02	0.000	0.000	Strato1_2_8_L_0									
22 D	7.698	-1.6304E-03	86.81	38.49	86.81	46.01	UL-RL	2.0647E+04	-4.200	0.000	1.000	1.000
38.49	0.000	0.000	Strato1_2_8_L_0									
23 D	7.789	-1.5149E-03	90.64	38.95	90.64	48.04	UL-RL	2.0647E+04	-4.400	0.000	1.000	1.000
38.95	0.000	0.000	Strato1_2_8_L_0									
24 D	7.866	-1.4041E-03	94.23	39.33	94.23	49.94	UL-RL	2.0647E+04	-4.600	0.000	1.000	1.000
39.33	0.000	0.000	Strato1_2_8_L_0									
25 D	7.958	-1.2982E-03	98.06	39.79	98.06	51.97	UL-RL	2.0647E+04	-4.800	0.000	1.000	1.000
39.79	0.000	0.000	Strato1_2_8_L_0									
26 D	8.052	-1.1973E-03	101.9	40.26	101.9	54.01	UL-RL	2.0647E+04	-5.000	0.000	1.000	1.000
40.26	0.000	0.000	Strato1_2_8_L_0									
27 D	8.148	-1.1015E-03	105.7	40.74	105.7	56.04	UL-RL	2.0647E+04	-5.200	0.000	1.000	1.000
40.74	0.000	0.000	Strato1_2_8_L_0									
28 D	8.248	-1.0109E-03	109.6	41.24	109.6	58.06	UL-RL	2.0647E+04	-5.400	0.000	1.000	1.000
41.24	0.000	0.000	Strato1_2_8_L_0									
29 D	8.351	-9.2548E-04	113.4	41.75	113.4	60.09	UL-RL	2.0647E+04	-5.600	0.000	1.000	1.000
41.75	0.000	0.000	Strato1_2_8_L_0									
30 D	8.625	-8.4530E-04	117.2	43.13	117.2	62.12	UL-RL	2.0647E+04	-5.800	0.000	1.000	1.000
43.13	0.000	0.000	Strato1_2_8_L_0									
31 D	9.325	-7.7035E-04	120.8	46.63	120.8	64.05	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
46.63	0.000	0.000	Strato1_2_8_L_0									
32 D	10.02	-7.0057E-04	124.7	50.12	124.7	66.07	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
50.12	0.000	0.000	Strato1_2_8_L_0									
33 D	10.70	-6.3592E-04	128.5	53.52	128.5	68.10	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
53.52	0.000	0.000	Strato1_2_8_L_0									
34 D	11.36	-5.7627E-04	132.3	56.81	132.3	70.13	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
56.81	0.000	0.000	Strato1_2_8_L_0									
35 D	12.00	-5.2153E-04	136.1	60.00	136.1	72.15	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
60.00	0.000	0.000	Strato1_2_8_L_0									

36 D	12.62	-4.7154E-04	140.0	63.09	140.0	74.18	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
63.09	0.000	0.000	Strato1_2_8_L_0									
37 D	13.22	-4.2616E-04	143.8	66.09	143.8	76.20	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
66.09	0.000	0.000	Strato1_2_8_L_0									
38 D	13.80	-3.8520E-04	147.6	69.00	147.6	78.23	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
69.00	0.000	0.000	Strato1_2_8_L_0									
39 D	14.35	-3.4849E-04	151.3	71.74	151.3	80.17	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
71.74	0.000	0.000	Strato1_2_8_L_0									
40 D	14.90	-3.1582E-04	155.1	74.48	155.1	82.20	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
74.48	0.000	0.000	Strato1_2_8_L_0									
41 D	15.43	-2.8698E-04	158.9	77.14	158.9	84.22	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
77.14	0.000	0.000	Strato1_2_8_L_0									
42 D	15.95	-2.6176E-04	162.7	79.73	162.7	86.25	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
79.73	0.000	0.000	Strato1_2_8_L_0									
43 D	16.45	-2.3992E-04	166.5	82.25	166.5	88.27	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
82.25	0.000	0.000	Strato1_2_8_L_0									
44 D	16.94	-2.2124E-04	170.4	84.70	170.4	90.29	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
84.70	0.000	0.000	Strato1_2_8_L_0									
45 D	14.47	-2.0546E-04	174.3	72.37	174.3	87.14	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
72.37	0.000	0.000	Strato2_3095_82743_L_0									
46 D	15.04	-1.9235E-04	178.2	75.20	178.2	89.09	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
75.20	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.59	-1.8167E-04	182.2	77.94	182.2	91.09	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
77.94	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.11	-1.7318E-04	186.2	80.56	186.2	93.10	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
80.56	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.61	-1.6665E-04	190.2	83.05	190.2	95.11	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
83.05	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.09	-1.6187E-04	194.2	85.43	194.2	97.12	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.43	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.54	-1.5864E-04	198.3	87.72	198.3	99.13	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
87.72	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.98	-1.5676E-04	202.3	89.91	202.3	101.1	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
89.91	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.41	-1.5605E-04	206.3	92.04	206.3	103.1	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
92.04	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.81	-1.5635E-04	210.2	94.04	210.2	105.1	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
94.04	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.21	-1.5751E-04	214.2	96.04	214.2	107.1	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
96.04	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.60	-1.5938E-04	218.2	97.99	218.2	109.1	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
97.99	0.000	0.000	Strato2_3095_82743_L_0									
57 D	19.98	-1.6185E-04	222.2	99.89	222.2	111.1	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
99.89	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.35	-1.6480E-04	226.2	101.8	226.2	113.1	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
101.8	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.72	-1.6812E-04	230.3	103.6	230.3	115.1	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.09	-1.7174E-04	234.3	105.4	234.3	117.1	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
105.4	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.44	-1.7557E-04	238.2	107.2	238.2	119.1	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
107.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	21.80	-1.7955E-04	242.2	109.0	242.2	121.1	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
109.0	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.16	-1.8362E-04	246.2	110.8	246.2	123.1	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
110.8	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.51	-1.8774E-04	250.2	112.6	250.2	125.1	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
112.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.87	-1.9187E-04	254.2	114.3	254.2	127.1	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000
114.3	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.22	-1.9597E-04	258.2	116.1	258.2	129.1	UL-RL	5.8408E+04	-13.00	0.000	1.000	1.000
116.1	0.000	0.000	Strato2_3095_82743_L_0									
67 D	23.57	-2.0004E-04	262.3	117.9	262.3	131.1	UL-RL	5.8408E+04	-13.20	0.000	1.000	1.000
117.9	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.93	-2.0404E-04	266.3	119.6	266.3	133.1	UL-RL	5.8408E+04	-13.40	0.000	1.000	1.000
119.6	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.28	-2.0797E-04	270.2	121.4	270.2	135.1	UL-RL	5.8408E+04	-13.60	0.000	1.000	1.000
121.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.63	-2.1183E-04	274.2	123.2	274.2	137.1	UL-RL	5.8408E+04	-13.80	0.000	1.000	1.000
123.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.99	-2.1561E-04	278.2	124.9	278.2	139.1	UL-RL	5.8408E+04	-14.00	0.000	1.000	1.000
124.9	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.35	-2.1931E-04	282.2	126.7	282.2	141.1	UL-RL	5.8408E+04	-14.20	0.000	1.000	1.000
126.7	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.70	-2.2295E-04	286.2	128.5	286.2	143.1	UL-RL	5.8408E+04	-14.40	0.000	1.000	1.000
128.5	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.06	-2.2653E-04	290.3	130.3	290.3	145.1	UL-RL	5.8408E+04	-14.60	0.000	1.000	1.000
130.3	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.42	-2.3005E-04	294.3	132.1	294.3	147.1	UL-RL	5.8408E+04	-14.80	0.000	1.000	1.000
132.1	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.77	-2.3353E-04	298.2	133.9	298.2	149.1	UL-RL	5.8408E+04	-15.00	0.000	1.000	1.000
133.9	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.13	-2.3698E-04	302.2	135.7	302.2	151.1	UL-RL	5.8408E+04	-15.20	0.000	1.000	1.000
135.7	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.49	-2.4041E-04	306.2	137.5	306.2	153.1	UL-RL	5.8408E+04	-15.40	0.000	1.000	1.000

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137.5       0.000       0.000     Strato2_3095_82743_L_0
  79 D   27.85      -2.4382E-04   310.2        139.3        310.2       155.1              UL-RL  5.8408E+04  -15.60        0.000         1.000         1.000
139.3       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.21      -2.4722E-04   314.2        141.1        314.2       157.1              UL-RL  5.8408E+04  -15.80        0.000         1.000         1.000
141.1       0.000       0.000     Strato2_3095_82743_L_0
  81 D   14.29      -2.5063E-04   318.2        142.9        318.2       159.1              UL-RL  5.8408E+04  -16.00        0.000         1.000         1.000
142.9       0.000       0.000     Strato2_3095_82743_L_0



 +----------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                          |
 |                                       NewProject.BaseDesignSection_28.Nominal_63                         |
 |                                   Exe Time :29 July 2019      18:01:09                                   |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.   2

 0_R                                 :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P            STATE   STIFFNESS Z-LEVEL       PORE       E FACTOR     UFACTOR
Peq            Su_a         Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------
 ----------------------------------------------------------------------
   1    0.000       --          --          --           --          --           REMOVED     --        0.000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   2    0.000       --          --          --           --          --           REMOVED     --      -0.2000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   3    0.000       --          --          --           --          --           REMOVED     --      -0.4000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   4    0.000       --          --          --           --          --           REMOVED     --      -0.6000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   5    0.000       --          --          --           --          --           REMOVED     --      -0.8000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   6    0.000       --          --          --           --          --           REMOVED     --       -1.000       0.000         1.000         1.000
0.000       0.000       0.000     not available
   7    0.000       --          --          --           --          --           REMOVED     --       -1.200       0.000         1.000         1.000
0.000       0.000       0.000     not available
   8    0.000       --          --          --           --          --           REMOVED     --       -1.400       0.000         1.000         1.000
0.000       0.000       0.000     not available
   9    0.000       --          --          --           --          --           REMOVED     --       -1.600       0.000         1.000         1.000
0.000       0.000       0.000     not available
  10    0.000       --          --          --           --          --           REMOVED     --       -1.800       0.000         1.000         1.000
0.000       0.000       0.000     not available
  11    0.000       --          --          --           --          --           REMOVED     --       -2.000       0.000         1.000         1.000
0.000       0.000       0.000     not available
  12    0.000       --          --          --           --          --           REMOVED     --       -2.200       0.000         1.000         1.000
0.000       0.000       0.000     not available
  13    0.000       --          --          --           --          --           REMOVED     --       -2.400       0.000         1.000         1.000
0.000       0.000       0.000     not available
  14    0.000       --          --          --           --          --           REMOVED     --       -2.600       0.000         1.000         1.000
0.000       0.000       0.000     not available
  15    0.000       --          --          --           --          --           REMOVED     --       -2.800       0.000         1.000         1.000
0.000       0.000       0.000     not available
  16    0.000       --          --          --           --          --           REMOVED     --       -3.000       0.000         1.000         1.000
0.000       0.000       0.000     not available
  17    0.000       --          --          --           --          --           REMOVED     --       -3.200       0.000         1.000         1.000
0.000       0.000       0.000     not available
  18    0.000       --          --          --           --          --           REMOVED     --       -3.400       0.000         1.000         1.000
0.000       0.000       0.000     not available
  19    0.000       --          --          --           --          --           REMOVED     --       -3.600       0.000         1.000         1.000
0.000       0.000       0.000     not available
  20 D  0.1155     1.8752E-03   1.900       0.5776       72.20       38.96          ACTIVE   0.000      -3.800       0.000         1.000         1.000
0.5776      0.000       0.000     Strato1_2_8_L_0
  21 D   2.831     1.7506E-03   5.700        14.16       76.00       40.97           UL-RL  1.4328E+04  -4.000       0.000         1.000         1.000
14.16       0.000       0.000     Strato1_2_8_L_0
  22 D   5.999     1.6304E-03   9.500        30.00       79.80       42.98           UL-RL  1.4328E+04  -4.200       0.000         1.000         1.000
30.00       0.000       0.000     Strato1_2_8_L_0
  23 D   9.168     1.5149E-03   13.30        45.84       83.60       53.75           UL-RL  1.4328E+04  -4.400       0.000         1.000         1.000
45.84       0.000       0.000     Strato1_2_8_L_0
  24 D   9.694     1.4041E-03   17.10        48.47       87.40       55.88           UL-RL  1.4328E+04  -4.600       0.000         1.000         1.000
48.47       0.000       0.000     Strato1_2_8_L_0
  25 D   10.06     1.2982E-03   20.90        50.30       91.20       57.22           UL-RL  1.4328E+04  -4.800       0.000         1.000         1.000
50.30       0.000       0.000     Strato1_2_8_L_0
  26 D   10.43     1.1973E-03   24.70        52.15       95.00       58.59           UL-RL  1.4328E+04  -5.000       0.000         1.000         1.000
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52.15	0.000	0.000	Strato1_2_8_L_0										
27 D	10.80	1.1015E-03	28.50	54.02	98.80	59.99	UL-RL	1.4328E+04	-5.200	0.000	1.000	1.000	
54.02	0.000	0.000	Strato1_2_8_L_0										
28 D	11.18	1.0109E-03	32.30	55.90	102.6	61.41	UL-RL	1.4328E+04	-5.400	0.000	1.000	1.000	
55.90	0.000	0.000	Strato1_2_8_L_0										
29 D	11.56	9.2548E-04	36.10	57.80	106.4	62.86	UL-RL	1.4328E+04	-5.600	0.000	1.000	1.000	
57.80	0.000	0.000	Strato1_2_8_L_0										
30 D	11.94	8.4530E-04	39.90	59.72	110.2	64.34	UL-RL	1.4328E+04	-5.800	0.000	1.000	1.000	
59.72	0.000	0.000	Strato1_2_8_L_0										
31 D	12.33	7.7035E-04	43.70	61.64	114.0	65.85	UL-RL	1.4328E+04	-6.000	0.000	1.000	1.000	
61.64	0.000	0.000	Strato1_2_8_L_0										
32 D	12.72	7.0057E-04	47.50	63.58	117.8	67.39	UL-RL	1.4328E+04	-6.200	0.000	1.000	1.000	
63.58	0.000	0.000	Strato1_2_8_L_0										
33 D	13.11	6.3592E-04	51.30	65.54	121.6	68.97	UL-RL	1.4328E+04	-6.400	0.000	1.000	1.000	
65.54	0.000	0.000	Strato1_2_8_L_0										
34 D	13.50	5.7627E-04	55.10	67.50	125.4	70.57	UL-RL	1.4328E+04	-6.600	0.000	1.000	1.000	
67.50	0.000	0.000	Strato1_2_8_L_0										
35 D	13.89	5.2153E-04	58.90	69.47	129.2	72.20	UL-RL	1.4328E+04	-6.800	0.000	1.000	1.000	
69.47	0.000	0.000	Strato1_2_8_L_0										
36 D	14.29	4.7154E-04	62.70	71.45	133.0	73.86	UL-RL	1.4328E+04	-7.000	0.000	1.000	1.000	
71.45	0.000	0.000	Strato1_2_8_L_0										
37 D	14.69	4.2616E-04	66.50	73.43	136.8	75.55	UL-RL	1.4328E+04	-7.200	0.000	1.000	1.000	
73.43	0.000	0.000	Strato1_2_8_L_0										
38 D	15.09	3.8520E-04	70.30	75.43	140.6	77.27	UL-RL	1.4328E+04	-7.400	0.000	1.000	1.000	
75.43	0.000	0.000	Strato1_2_8_L_0										
39 D	15.49	3.4849E-04	74.10	77.43	144.4	79.01	UL-RL	1.4328E+04	-7.600	0.000	1.000	1.000	
77.43	0.000	0.000	Strato1_2_8_L_0										
40 D	15.89	3.1582E-04	77.90	79.43	148.2	80.78	UL-RL	1.4328E+04	-7.800	0.000	1.000	1.000	
79.43	0.000	0.000	Strato1_2_8_L_0										
41 D	16.29	2.8698E-04	81.70	81.44	152.0	82.57	UL-RL	1.4328E+04	-8.000	0.000	1.000	1.000	
81.44	0.000	0.000	Strato1_2_8_L_0										
42 D	16.69	2.6176E-04	85.50	83.46	155.8	84.39	UL-RL	1.4328E+04	-8.200	0.000	1.000	1.000	
83.46	0.000	0.000	Strato1_2_8_L_0										
43 D	17.10	2.3992E-04	89.30	85.48	159.6	86.23	UL-RL	1.4328E+04	-8.400	0.000	1.000	1.000	
85.48	0.000	0.000	Strato1_2_8_L_0										
44 D	17.50	2.2124E-04	93.10	87.50	163.4	88.09	UL-RL	1.4328E+04	-8.600	0.000	1.000	1.000	
87.50	0.000	0.000	Strato1_2_8_L_0										
45 D	13.99	2.0546E-04	97.00	69.93	167.3	84.54	UL-RL	3.1656E+04	-8.800	0.000	1.000	1.000	
69.93	0.000	0.000	Strato2_3095_82743_L_0										
46 D	14.32	1.9235E-04	101.0	71.60	171.3	86.50	UL-RL	3.1656E+04	-9.000	0.000	1.000	1.000	
71.60	0.000	0.000	Strato2_3095_82743_L_0										
47 D	14.67	1.8167E-04	105.0	73.34	175.3	88.46	UL-RL	3.1656E+04	-9.200	0.000	1.000	1.000	
73.34	0.000	0.000	Strato2_3095_82743_L_0										
48 D	15.03	1.7318E-04	109.0	75.15	179.3	90.43	UL-RL	3.1656E+04	-9.400	0.000	1.000	1.000	
75.15	0.000	0.000	Strato2_3095_82743_L_0										
49 D	15.40	1.6665E-04	113.0	77.01	183.3	92.39	UL-RL	3.1656E+04	-9.600	0.000	1.000	1.000	
77.01	0.000	0.000	Strato2_3095_82743_L_0										
50 D	15.79	1.6187E-04	117.0	78.93	187.3	94.36	UL-RL	3.1656E+04	-9.800	0.000	1.000	1.000	
78.93	0.000	0.000	Strato2_3095_82743_L_0										
51 D	16.18	1.5864E-04	121.0	80.89	191.3	96.33	UL-RL	3.1656E+04	-10.00	0.000	1.000	1.000	
80.89	0.000	0.000	Strato2_3095_82743_L_0										
52 D	16.58	1.5676E-04	125.0	82.89	195.3	98.31	UL-RL	3.1656E+04	-10.20	0.000	1.000	1.000	
82.89	0.000	0.000	Strato2_3095_82743_L_0										
53 D	16.98	1.5605E-04	129.0	84.92	199.3	100.3	UL-RL	3.1656E+04	-10.40	0.000	1.000	1.000	
84.92	0.000	0.000	Strato2_3095_82743_L_0										
54 D	17.40	1.5635E-04	133.0	86.98	203.3	102.3	UL-RL	3.1656E+04	-10.60	0.000	1.000	1.000	
86.98	0.000	0.000	Strato2_3095_82743_L_0										
55 D	17.81	1.5751E-04	137.0	89.07	207.3	104.2	UL-RL	3.1656E+04	-10.80	0.000	1.000	1.000	
89.07	0.000	0.000	Strato2_3095_82743_L_0										
56 D	18.24	1.5938E-04	141.0	91.18	211.3	106.2	UL-RL	3.1656E+04	-11.00	0.000	1.000	1.000	
91.18	0.000	0.000	Strato2_3095_82743_L_0										
57 D	18.66	1.6185E-04	145.0	93.30	215.3	108.2	UL-RL	3.1656E+04	-11.20	0.000	1.000	1.000	
93.30	0.000	0.000	Strato2_3095_82743_L_0										
58 D	19.09	1.6480E-04	149.0	95.44	219.3	110.2	UL-RL	3.1656E+04	-11.40	0.000	1.000	1.000	
95.44	0.000	0.000	Strato2_3095_82743_L_0										
59 D	19.52	1.6812E-04	153.0	97.58	223.3	112.2	UL-RL	3.1656E+04	-11.60	0.000	1.000	1.000	
97.58	0.000	0.000	Strato2_3095_82743_L_0										
60 D	19.95	1.7174E-04	157.0	99.73	227.3	114.2	UL-RL	3.1656E+04	-11.80	0.000	1.000	1.000	
99.73	0.000	0.000	Strato2_3095_82743_L_0										
61 D	20.38	1.7557E-04	161.0	101.9	231.3	116.2	UL-RL	3.1656E+04	-12.00	0.000	1.000	1.000	
101.9	0.000	0.000	Strato2_3095_82743_L_0										
62 D	20.81	1.7955E-04	165.0	104.0	235.3	118.2	UL-RL	3.1656E+04	-12.20	0.000	1.000	1.000	
104.0	0.000	0.000	Strato2_3095_82743_L_0										
63 D	21.24	1.8362E-04	169.0	106.2	239.3	120.2	UL-RL	3.1656E+04	-12.40	0.000	1.000	1.000	
106.2	0.000	0.000	Strato2_3095_82743_L_0										
64 D	21.67	1.8774E-04	173.0	108.4	243.3	122.2	UL-RL	3.1656E+04	-12.60	0.000	1.000	1.000	
108.4	0.000	0.000	Strato2_3095_82743_L_0										
65 D	22.11	1.9187E-04	177.0	110.5	247.3	124.2	UL-RL	3.1656E+04	-12.80	0.000	1.000	1.000	
110.5	0.000	0.000	Strato2_3095_82743_L_0										
66 D	22.54	1.9597E-04	181.0	112.7	251.3	126.2	UL-RL	3.1656E+04	-13.00	0.000	1.000	1.000	
112.7	0.000	0.000	Strato2_3095_82743_L_0										
67 D	22.97	2.0004E-04	185.0	114.8	255.3	128.2	UL-RL	3.1656E+04	-13.20	0.000	1.000	1.000	
114.8	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.40	2.0404E-04	189.0	117.0	259.3	130.2	UL-RL	3.1656E+04	-13.40	0.000	1.000	1.000	
117.0	0.000	0.000	Strato2_3095_82743_L_0										

69 D	23.83	2.0797E-04	193.0	119.1	263.3	132.2	UL-RL	3.1656E+04	-13.60	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.26	2.1183E-04	197.0	121.3	267.3	134.2	UL-RL	3.1656E+04	-13.80	0.000	1.000	1.000
121.3	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.69	2.1561E-04	201.0	123.4	271.3	136.2	UL-RL	3.1656E+04	-14.00	0.000	1.000	1.000
123.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.11	2.1931E-04	205.0	125.6	275.3	138.2	UL-RL	3.1656E+04	-14.20	0.000	1.000	1.000
125.6	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.54	2.2295E-04	209.0	127.7	279.3	140.2	UL-RL	3.1656E+04	-14.40	0.000	1.000	1.000
127.7	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.97	2.2653E-04	213.0	129.8	283.3	142.2	UL-RL	3.1656E+04	-14.60	0.000	1.000	1.000
129.8	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.40	2.3005E-04	217.0	132.0	287.3	144.2	UL-RL	3.1656E+04	-14.80	0.000	1.000	1.000
132.0	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.82	2.3353E-04	221.0	134.1	291.3	146.2	UL-RL	3.1656E+04	-15.00	0.000	1.000	1.000
134.1	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.25	2.3698E-04	225.0	136.2	295.3	148.2	UL-RL	3.1656E+04	-15.20	0.000	1.000	1.000
136.2	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.67	2.4041E-04	229.0	138.4	299.3	150.2	UL-RL	3.1656E+04	-15.40	0.000	1.000	1.000
138.4	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.10	2.4382E-04	233.0	140.5	303.3	152.2	UL-RL	3.1656E+04	-15.60	0.000	1.000	1.000
140.5	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.52	2.4722E-04	237.0	142.6	307.3	154.2	UL-RL	3.1656E+04	-15.80	0.000	1.000	1.000
142.6	0.000	0.000	Strato2_3095_82743_L_0									
81 D	14.47	2.5063E-04	241.0	144.7	311.3	156.2	UL-RL	3.1656E+04	-16.00	0.000	1.000	1.000
144.7	0.000	0.000	Strato2_3095_82743_L_0									

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:01:09                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.1538     -1.1538    -5.34072E-11 0.23076
    2  3.3657     -3.3657     -0.23076     0.90389
    3  5.9930     -5.9930     -0.90389      2.1025
    4  8.9830     -8.9830      -2.1025      3.8991
    5  12.319     -12.319      -3.8991      6.3629
    6  15.993     -15.993      -6.3629      9.5615
    7  20.001     -20.001      -9.5615      13.562
    8  24.341     -24.341      -13.562      18.430
    9  28.949     -28.949      -18.430      24.220
   10  33.891     -33.891      -24.220      30.998
   11  39.164     -39.164      -30.998      38.830
   12  44.766     -44.766      -38.830      47.784
   13  50.694     -50.694      -47.784      57.922
   14  56.944     -56.944      -57.922      69.311
   15  63.515     -63.515      -69.311      82.014
   16  70.369     -70.369      -82.014      96.088
   17 -13.194      13.194      -96.088      93.449
   18 -5.8991      5.8991      -93.449      92.269
   19  1.5050     -1.5050      -92.269      92.570
   20  8.8960     -8.8960      -92.570      94.350
   21  13.669     -13.669      -94.350      97.083
   22  15.367     -15.367      -97.083      100.16
   23  13.989     -13.989      -100.16      102.95
   24  12.161     -12.161      -102.95      105.39
   25  10.059     -10.059      -105.39      107.40
   26  7.6809     -7.6809      -107.40      108.93
   27  5.0257     -5.0257      -108.93      109.94
   28  2.0929     -2.0929      -109.94      110.36
   29 -1.1167      1.1167      -110.36      110.13
   30 -4.4348      4.4348      -110.13      109.25
   31 -7.4385      7.4385      -109.25      107.76
   32 -10.131      10.131      -107.76      105.73
   33 -12.535      12.535      -105.73      103.23
   34 -14.673      14.673      -103.23      100.29
   35 -16.567      16.567      -100.29      96.979
   36 -18.239      18.239      -96.979      93.331
```

```
   37 -19.708      19.708     -93.331      89.390
   38 -20.994      20.994     -89.390      85.191
   39 -22.131      22.131     -85.191      80.765
   40 -23.122      23.122     -80.765      76.140
   41 -23.982      23.982     -76.140      71.344
   42 -24.727      24.727     -71.344      66.398
   43 -25.373      25.373     -66.398      61.324
   44 -25.933      25.933     -61.324      56.137
   45 -25.445      25.445     -56.137      51.048
   46 -24.726      24.726     -51.048      46.103
   47 -23.806      23.806     -46.103      41.342
   48 -22.724      22.724     -41.342      36.797
   49 -21.516      21.516     -36.797      32.494
   50 -20.216      20.216     -32.494      28.451
   51 -18.850      18.850     -28.451      24.681
   52 -17.445      17.445     -24.681      21.192
   53 -16.022      16.022     -21.192      17.988
   54 -14.611      14.611     -17.988      15.065
   55 -13.218      13.218     -15.065      12.422
   56 -11.856      11.856     -12.422      10.051
   57 -10.537      10.537     -10.051      7.9433
   58 -9.2703      9.2703     -7.9433      6.0892
   59 -8.0634      8.0634     -6.0892      4.4765
   60 -6.9222      6.9222     -4.4765      3.0921
   61 -5.8607      5.8607     -3.0921      1.9199
   62 -4.8725      4.8725     -1.9199     0.94542
   63 -3.9597      3.9597    -0.94542     0.15347
   64 -3.1236      3.1236    -0.15347    -0.47126
   65 -2.3647      2.3647     0.47126    -0.94420
   66 -1.6830      1.6830     0.94420     -1.2808
   67 -1.0778      1.0778      1.2808     -1.4963
   68-0.54832     0.54832      1.4963     -1.6060
   69-0.10187     0.10187      1.6060     -1.6264
   70 0.27135    -0.27135      1.6264     -1.5721
   71 0.57264    -0.57264      1.5721     -1.4576
   72 0.80331    -0.80331      1.4576     -1.2969
   73 0.96457    -0.96457      1.2969     -1.1040
   74  1.0575     -1.0575      1.1040    -0.89250
   75  1.0832     -1.0832     0.89250    -0.67586
   76  1.0347     -1.0347     0.67586    -0.46893
   77 0.92043    -0.92043     0.46893    -0.28484
   78 0.74087    -0.74087     0.28484    -0.13667
   79 0.49632    -0.49632     0.13667    -3.74015E-02
   80 0.18700    -0.18700     3.74015E-02-3.52610E-12



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:01:09                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -7.17174E-04 -7.17174E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 6033.     REMNOR=0.2424E-19 RATIO =0.2393     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2393     RATIOR= 0.000
           MAX UN= 17.50     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.6839E-02 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 198.2     REMNOR=0.2011E-18 RATIO =0.4337E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
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```
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.4337E-01 RATIOR= 0.000
           MAX UN= 4.255     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.7201E-09 IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 77.00     REMNOR=0.1984E-18 RATIO =0.2703E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2703E-01 RATIOR= 0.000
           MAX UN= 3.314     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1790E-08 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 12.72     REMNOR=0.6697E-18 RATIO =0.1099E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.1099E-01 RATIOR= 0.000
           MAX UN= 2.562     IEQ=   103 NODE     52 DOF   1  Y-DISPL.F
           MIN UN=-.4276E-08 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM=0.2934E-01 REMNOR=0.2932E-18 RATIO =0.5277E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.5277E-03 RATIOR= 0.000
           MAX UN=0.1713     IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           MIN UN=-.2442E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM=0.4318E-16 REMNOR=0.3025E-18 RATIO =0.2024E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2024E-10 RATIOR= 0.000
           MAX UN=0.2163E-08 IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.2900E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:01:09                                                 |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   1.5266651E-02  -1.1729423E-03
    2   1.5032063E-02  -1.1729351E-03
    3   1.4797478E-02  -1.1729002E-03
    4   1.4562907E-02  -1.1728044E-03
    5   1.4328364E-02  -1.1726012E-03
    6   1.4093877E-02  -1.1722326E-03
    7   1.3859486E-02  -1.1716288E-03
    8   1.3625247E-02  -1.1707090E-03
    9   1.3391230E-02  -1.1693811E-03
   10   1.3157528E-02  -1.1675426E-03
   11   1.2924254E-02  -1.1650810E-03
```

12	1.2691546E-02	-1.1618725E-03
13	1.2459564E-02	-1.1577821E-03
14	1.2228501E-02	-1.1526636E-03
15	1.1998578E-02	-1.1463596E-03
16	1.1770048E-02	-1.1387016E-03
17	1.1543199E-02	-1.1295106E-03
18	1.1318179E-02	-1.1212919E-03
19	1.1094452E-02	-1.1165393E-03
20	1.0871346E-02	-1.1150411E-03
21	1.0648233E-02	-1.1165742E-03
22	1.0424530E-02	-1.1209048E-03
23	1.0199701E-02	-1.1277878E-03
24	9.9732628E-03	-1.1369668E-03
25	9.7447801E-03	-1.1481752E-03
26	9.5138759E-03	-1.1611354E-03
27	9.2802284E-03	-1.1755588E-03
28	9.0435748E-03	-1.1911456E-03
29	8.8037145E-03	-1.2075851E-03
30	8.5605066E-03	-1.2245556E-03
31	8.3138791E-03	-1.2417242E-03
32	8.0638266E-03	-1.2587473E-03
33	7.8104135E-03	-1.2752706E-03
34	7.5537760E-03	-1.2909286E-03
35	7.2941261E-03	-1.3053448E-03
36	7.0317480E-03	-1.3181318E-03
37	6.7670086E-03	-1.3288911E-03
38	6.5003541E-03	-1.3372131E-03
39	6.2323139E-03	-1.3426772E-03
40	5.9635038E-03	-1.3448521E-03
41	5.6946231E-03	-1.3432955E-03
42	5.4264646E-03	-1.3375541E-03
43	5.1599114E-03	-1.3271638E-03
44	4.8959407E-03	-1.3116492E-03
45	4.6356271E-03	-1.2905242E-03
46	4.3801027E-03	-1.2638446E-03
47	4.1304189E-03	-1.2322207E-03
48	3.8875028E-03	-1.1962713E-03
49	3.6521573E-03	-1.1566184E-03
50	3.4250623E-03	-1.1138792E-03
51	3.2067722E-03	-1.0686585E-03
52	2.9977289E-03	-1.0215505E-03
53	2.7982434E-03	-9.7313391E-04
54	2.6085246E-03	-9.2397790E-04
55	2.4286644E-03	-8.7463930E-04
56	2.2586458E-03	-8.2564645E-04
57	2.0983512E-03	-7.7747318E-04
58	1.9475744E-03	-7.3053207E-04
59	1.8060326E-03	-6.8517817E-04
60	1.6733772E-03	-6.4171268E-04
61	1.5492049E-03	-6.0038645E-04
62	1.4330664E-03	-5.6140355E-04
63	1.3244765E-03	-5.2492454E-04
64	1.2229217E-03	-4.9106920E-04
65	1.1278685E-03	-4.5991938E-04
66	1.0387705E-03	-4.3152158E-04
67	9.5507547E-04	-4.0588932E-04
68	8.7623154E-04	-3.8300533E-04
69	8.0169320E-04	-3.6282348E-04
70	7.3092688E-04	-3.4527067E-04
71	6.6341623E-04	-3.3024836E-04
72	5.9866703E-04	-3.1763365E-04
73	5.3621201E-04	-3.0728036E-04
74	4.7561536E-04	-2.9901999E-04
75	4.1647716E-04	-2.9266239E-04
76	3.5843763E-04	-2.8799636E-04
77	3.0118129E-04	-2.8479025E-04
78	2.4444099E-04	-2.8279227E-04
79	1.8800197E-04	-2.8173047E-04
80	1.3170586E-04	-2.8131281E-04
81	7.5451889E-05	-2.8122727E-04

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      18:01:09                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1
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0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-1.5267E-02	10.00	3.040	10.00	11.54	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.5569	-1.5032E-02	9.159	2.784	9.159	11.06	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	2.784	0.000	0.000	Strato1_2_8_L_0
3 D	0.8475	-1.4797E-02	13.94	4.238	13.94	13.14	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.238	0.000	0.000	Strato1_2_8_L_0
4 D	1.103	-1.4563E-02	18.14	5.515	18.14	14.95	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	5.515	0.000	0.000	Strato1_2_8_L_0
5 D	1.347	-1.4328E-02	22.16	6.736	22.16	16.68	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	6.736	0.000	0.000	Strato1_2_8_L_0
6 D	1.586	-1.4094E-02	26.09	7.932	26.09	18.37	ACTIVE	0.000	-1.000	0.000	1.000	1.000	7.932	0.000	0.000	Strato1_2_8_L_0
7 D	1.823	-1.3859E-02	29.98	9.115	29.98	20.04	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.115	0.000	0.000	Strato1_2_8_L_0
8 D	2.058	-1.3625E-02	33.85	10.29	33.85	21.70	ACTIVE	0.000	-1.400	0.000	1.000	1.000	10.29	0.000	0.000	Strato1_2_8_L_0
9 D	2.252	-1.3391E-02	37.03	11.26	37.03	23.04	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
10 D	2.490	-1.3158E-02	40.95	12.45	40.95	24.71	ACTIVE	0.000	-1.800	0.000	1.000	1.000	12.45	0.000	0.000	Strato1_2_8_L_0
11 D	2.726	-1.2924E-02	44.84	13.63	44.84	26.37	ACTIVE	0.000	-2.000	0.000	1.000	1.000	13.63	0.000	0.000	Strato1_2_8_L_0
12 D	2.962	-1.2692E-02	48.72	14.81	48.72	28.01	ACTIVE	0.000	-2.200	0.000	1.000	1.000	14.81	0.000	0.000	Strato1_2_8_L_0
13 D	3.197	-1.2460E-02	52.58	15.98	52.58	29.64	ACTIVE	0.000	-2.400	0.000	1.000	1.000	15.98	0.000	0.000	Strato1_2_8_L_0
14 D	3.431	-1.2229E-02	56.43	17.16	56.43	31.25	ACTIVE	0.000	-2.600	0.000	1.000	1.000	17.16	0.000	0.000	Strato1_2_8_L_0
15 D	3.665	-1.1999E-02	60.28	18.32	60.28	32.85	ACTIVE	0.000	-2.800	0.000	1.000	1.000	18.32	0.000	0.000	Strato1_2_8_L_0
16 D	3.876	-1.1770E-02	63.75	19.38	63.75	34.27	ACTIVE	0.000	-3.000	0.000	1.000	1.000	19.38	0.000	0.000	Strato1_2_8_L_0
17 D	4.110	-1.1543E-02	67.61	20.55	67.61	35.85	ACTIVE	0.000	-3.200	0.000	1.000	1.000	20.55	0.000	0.000	Strato1_2_8_L_0
18 D	4.345	-1.1318E-02	71.46	21.72	71.46	37.87	ACTIVE	0.000	-3.400	0.000	1.000	1.000	21.72	0.000	0.000	Strato1_2_8_L_0
19 D	4.578	-1.1094E-02	75.30	22.89	75.30	39.91	ACTIVE	0.000	-3.600	0.000	1.000	1.000	22.89	0.000	0.000	Strato1_2_8_L_0
20 D	4.812	-1.0871E-02	79.14	24.06	79.14	41.95	ACTIVE	0.000	-3.800	0.000	1.000	1.000	24.06	0.000	0.000	Strato1_2_8_L_0
21 D	5.045	-1.0648E-02	82.98	25.23	82.98	43.98	ACTIVE	0.000	-4.000	0.000	1.000	1.000	25.23	0.000	0.000	Strato1_2_8_L_0
22 D	5.278	-1.0425E-02	86.81	26.39	86.81	46.01	ACTIVE	0.000	-4.200	0.000	1.000	1.000	26.39	0.000	0.000	Strato1_2_8_L_0
23 D	5.511	-1.0200E-02	90.64	27.56	90.64	48.04	ACTIVE	0.000	-4.400	0.000	1.000	1.000	27.56	0.000	0.000	Strato1_2_8_L_0
24 D	5.729	-9.9733E-03	94.23	28.65	94.23	49.94	ACTIVE	0.000	-4.600	0.000	1.000	1.000	28.65	0.000	0.000	Strato1_2_8_L_0
25 D	5.962	-9.7448E-03	98.06	29.81	98.06	51.97	ACTIVE	0.000	-4.800	0.000	1.000	1.000	29.81	0.000	0.000	Strato1_2_8_L_0
26 D	6.195	-9.5139E-03	101.9	30.98	101.9	54.01	ACTIVE	0.000	-5.000	0.000	1.000	1.000	30.98	0.000	0.000	Strato1_2_8_L_0
27 D	6.428	-9.2802E-03	105.7	32.14	105.7	56.04	ACTIVE	0.000	-5.200	0.000	1.000	1.000	32.14	0.000	0.000	Strato1_2_8_L_0
28 D	6.661	-9.0436E-03	109.6	33.30	109.6	58.06	ACTIVE	0.000	-5.400	0.000	1.000	1.000	33.30	0.000	0.000	Strato1_2_8_L_0
29 D	6.894	-8.8037E-03	113.4	34.47	113.4	60.09	ACTIVE	0.000	-5.600	0.000	1.000	1.000	34.47	0.000	0.000	Strato1_2_8_L_0
30 D	7.126	-8.5605E-03	117.2	35.63	117.2	62.12	ACTIVE	0.000	-5.800	0.000	1.000	1.000	35.63	0.000	0.000	Strato1_2_8_L_0
31 D	7.347	-8.3139E-03	120.8	36.74	120.8	64.05	ACTIVE	0.000	-6.000	0.000	1.000	1.000	36.74	0.000	0.000	Strato1_2_8_L_0
32 D	7.580	-8.0638E-03	124.7	37.90	124.7	66.07	ACTIVE	0.000	-6.200	0.000	1.000	1.000	37.90	0.000	0.000	Strato1_2_8_L_0
33 D	7.812	-7.8104E-03	128.5	39.06	128.5	68.10	ACTIVE	0.000	-6.400	0.000	1.000	1.000	39.06	0.000	0.000	Strato1_2_8_L_0
34 D	8.045	-7.5538E-03	132.3	40.22	132.3	70.13	ACTIVE	0.000	-6.600	0.000	1.000	1.000	40.22	0.000	0.000	Strato1_2_8_L_0
35 D	8.277	-7.2941E-03	136.1	41.39	136.1	72.15	ACTIVE	0.000	-6.800	0.000	1.000	1.000	41.39	0.000	0.000	Strato1_2_8_L_0
36 D	8.510	-7.0317E-03	140.0	42.55	140.0	74.18	ACTIVE	0.000	-7.000	0.000	1.000	1.000	42.55	0.000	0.000	Strato1_2_8_L_0
37 D	8.742	-6.7670E-03	143.8	43.71	143.8	76.20	ACTIVE	0.000	-7.200	0.000	1.000	1.000				

43.71	0.000	0.000	Strato1_2_8_L_0										
38 D	8.974	-6.5004E-03	147.6	44.87	147.6	78.23	ACTIVE	0.000	-7.400	0.000	1.000	1.000	
44.87	0.000	0.000	Strato1_2_8_L_0										
39 D	9.197	-6.2323E-03	151.3	45.99	151.3	80.17	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
45.99	0.000	0.000	Strato1_2_8_L_0										
40 D	9.430	-5.9635E-03	155.1	47.15	155.1	82.20	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
47.15	0.000	0.000	Strato1_2_8_L_0										
41 D	9.662	-5.6946E-03	158.9	48.31	158.9	84.22	ACTIVE	0.000	-8.000	0.000	1.000	1.000	
48.31	0.000	0.000	Strato1_2_8_L_0										
42 D	9.894	-5.4265E-03	162.7	49.47	162.7	86.25	ACTIVE	0.000	-8.200	0.000	1.000	1.000	
49.47	0.000	0.000	Strato1_2_8_L_0										
43 D	10.13	-5.1599E-03	166.5	50.63	166.5	88.27	ACTIVE	0.000	-8.400	0.000	1.000	1.000	
50.63	0.000	0.000	Strato1_2_8_L_0										
44 D	10.36	-4.8959E-03	170.4	51.79	170.4	90.29	ACTIVE	0.000	-8.600	0.000	1.000	1.000	
51.79	0.000	0.000	Strato1_2_8_L_0										
45 D	4.313	-4.6356E-03	174.3	21.57	174.3	87.14	ACTIVE	0.000	-8.800	0.000	1.000	1.000	
21.57	0.000	0.000	Strato2_3095_82743_L_0										
46 D	4.496	-4.3801E-03	178.2	22.48	178.2	89.09	ACTIVE	0.000	-9.000	0.000	1.000	1.000	
22.48	0.000	0.000	Strato2_3095_82743_L_0										
47 D	4.685	-4.1304E-03	182.2	23.42	182.2	91.09	ACTIVE	0.000	-9.200	0.000	1.000	1.000	
23.42	0.000	0.000	Strato2_3095_82743_L_0										
48 D	4.874	-3.8875E-03	186.2	24.37	186.2	93.10	ACTIVE	0.000	-9.400	0.000	1.000	1.000	
24.37	0.000	0.000	Strato2_3095_82743_L_0										
49 D	5.062	-3.6522E-03	190.2	25.31	190.2	95.11	ACTIVE	0.000	-9.600	0.000	1.000	1.000	
25.31	0.000	0.000	Strato2_3095_82743_L_0										
50 D	5.251	-3.4251E-03	194.2	26.26	194.2	97.12	ACTIVE	0.000	-9.800	0.000	1.000	1.000	
26.26	0.000	0.000	Strato2_3095_82743_L_0										
51 D	5.440	-3.2068E-03	198.3	27.20	198.3	99.13	ACTIVE	0.000	-10.00	0.000	1.000	1.000	
27.20	0.000	0.000	Strato2_3095_82743_L_0										
52 D	5.628	-2.9977E-03	202.3	28.14	202.3	101.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000	
28.14	0.000	0.000	Strato2_3095_82743_L_0										
53 D	5.817	-2.7982E-03	206.3	29.09	206.3	103.1	ACTIVE	0.000	-10.40	0.000	1.000	1.000	
29.09	0.000	0.000	Strato2_3095_82743_L_0										
54 D	6.001	-2.6085E-03	210.2	30.00	210.2	105.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000	
30.00	0.000	0.000	Strato2_3095_82743_L_0										
55 D	6.937	-2.4287E-03	214.2	34.68	214.2	107.1	UL-RL	2.7014E+04	-10.80	0.000	1.000	1.000	
34.68	0.000	0.000	Strato2_3095_82743_L_0										
56 D	8.255	-2.2586E-03	218.2	41.28	218.2	109.1	UL-RL	2.7014E+04	-11.00	0.000	1.000	1.000	
41.28	0.000	0.000	Strato2_3095_82743_L_0										
57 D	9.516	-2.0984E-03	222.2	47.58	222.2	111.1	UL-RL	2.7014E+04	-11.20	0.000	1.000	1.000	
47.58	0.000	0.000	Strato2_3095_82743_L_0										
58 D	10.72	-1.9476E-03	226.2	53.61	226.2	113.1	UL-RL	2.7014E+04	-11.40	0.000	1.000	1.000	
53.61	0.000	0.000	Strato2_3095_82743_L_0										
59 D	11.87	-1.8060E-03	230.3	59.37	230.3	115.1	UL-RL	2.7014E+04	-11.60	0.000	1.000	1.000	
59.37	0.000	0.000	Strato2_3095_82743_L_0										
60 D	12.97	-1.6734E-03	234.3	64.87	234.3	117.1	UL-RL	2.7014E+04	-11.80	0.000	1.000	1.000	
64.87	0.000	0.000	Strato2_3095_82743_L_0										
61 D	14.02	-1.5492E-03	238.2	70.09	238.2	119.1	UL-RL	2.7014E+04	-12.00	0.000	1.000	1.000	
70.09	0.000	0.000	Strato2_3095_82743_L_0										
62 D	15.03	-1.4331E-03	242.2	75.13	242.2	121.1	UL-RL	2.7014E+04	-12.20	0.000	1.000	1.000	
75.13	0.000	0.000	Strato2_3095_82743_L_0										
63 D	15.99	-1.3245E-03	246.2	79.96	246.2	123.1	UL-RL	2.7014E+04	-12.40	0.000	1.000	1.000	
79.96	0.000	0.000	Strato2_3095_82743_L_0										
64 D	16.92	-1.2229E-03	250.2	84.59	250.2	125.1	UL-RL	2.7014E+04	-12.60	0.000	1.000	1.000	
84.59	0.000	0.000	Strato2_3095_82743_L_0										
65 D	17.81	-1.1279E-03	254.2	89.04	254.2	127.1	UL-RL	2.7014E+04	-12.80	0.000	1.000	1.000	
89.04	0.000	0.000	Strato2_3095_82743_L_0										
66 D	18.67	-1.0388E-03	258.2	93.33	258.2	129.1	UL-RL	2.7014E+04	-13.00	0.000	1.000	1.000	
93.33	0.000	0.000	Strato2_3095_82743_L_0										
67 D	19.50	-9.5508E-04	262.3	97.48	262.3	131.1	UL-RL	2.7014E+04	-13.20	0.000	1.000	1.000	
97.48	0.000	0.000	Strato2_3095_82743_L_0										
68 D	20.30	-8.7623E-04	266.3	101.5	266.3	133.1	UL-RL	2.7014E+04	-13.40	0.000	1.000	1.000	
101.5	0.000	0.000	Strato2_3095_82743_L_0										
69 D	21.07	-8.0169E-04	270.2	105.3	270.2	135.1	UL-RL	2.7014E+04	-13.60	0.000	1.000	1.000	
105.3	0.000	0.000	Strato2_3095_82743_L_0										
70 D	21.83	-7.3093E-04	274.2	109.1	274.2	137.1	UL-RL	2.7014E+04	-13.80	0.000	1.000	1.000	
109.1	0.000	0.000	Strato2_3095_82743_L_0										
71 D	22.57	-6.6342E-04	278.2	112.8	278.2	139.1	UL-RL	2.7014E+04	-14.00	0.000	1.000	1.000	
112.8	0.000	0.000	Strato2_3095_82743_L_0										
72 D	23.30	-5.9867E-04	282.2	116.5	282.2	141.1	UL-RL	2.7014E+04	-14.20	0.000	1.000	1.000	
116.5	0.000	0.000	Strato2_3095_82743_L_0										
73 D	24.01	-5.3621E-04	286.2	120.1	286.2	143.1	UL-RL	2.7014E+04	-14.40	0.000	1.000	1.000	
120.1	0.000	0.000	Strato2_3095_82743_L_0										
74 D	24.72	-4.7562E-04	290.3	123.6	290.3	145.1	UL-RL	2.7014E+04	-14.60	0.000	1.000	1.000	
123.6	0.000	0.000	Strato2_3095_82743_L_0										
75 D	25.41	-4.1648E-04	294.3	127.1	294.3	147.1	UL-RL	2.7014E+04	-14.80	0.000	1.000	1.000	
127.1	0.000	0.000	Strato2_3095_82743_L_0										
76 D	26.10	-3.5844E-04	298.2	130.5	298.2	149.1	UL-RL	2.7014E+04	-15.00	0.000	1.000	1.000	
130.5	0.000	0.000	Strato2_3095_82743_L_0										
77 D	26.79	-3.0118E-04	302.2	133.9	302.2	151.1	UL-RL	2.7014E+04	-15.20	0.000	1.000	1.000	
133.9	0.000	0.000	Strato2_3095_82743_L_0										
78 D	27.47	-2.4444E-04	306.2	137.4	306.2	153.1	UL-RL	2.7014E+04	-15.40	0.000	1.000	1.000	
137.4	0.000	0.000	Strato2_3095_82743_L_0										
79 D	28.15	-1.8800E-04	310.2	140.8	310.2	155.1	UL-RL	2.7014E+04	-15.60	0.000	1.000	1.000	
140.8	0.000	0.000	Strato2_3095_82743_L_0										

80 D	28.84	-1.3171E-04	314.2	144.2	314.2	157.1	UL-RL	2.7014E+04	-15.80	0.000	1.000	1.000
144.2	0.000	0.000	Strato2_3095_82743_L_0									
81 D	14.76	-7.5452E-05	318.2	147.6	318.2	159.1	UL-RL	2.7014E+04	-16.00	0.000	1.000	1.000
147.6	0.000	0.000	Strato2_3095_82743_L_0									

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63
Exe Time :29 July 2019 18:01:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									

28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45 D	17.04	4.6356E-03	2.000	85.18	167.3	85.18	V-C	5348.	-8.800	0.000	1.000	1.000	85.18	0.000	0.000	Strato2_3095_82743_L_0
46 D	17.47	4.3801E-03	6.000	87.35	171.3	87.35	V-C	5348.	-9.000	0.000	1.000	1.000	87.35	0.000	0.000	Strato2_3095_82743_L_0
47 D	17.78	4.1304E-03	10.000	88.91	175.3	88.91	V-C	5348.	-9.200	0.000	1.000	1.000	88.91	0.000	0.000	Strato2_3095_82743_L_0
48 D	17.98	3.8875E-03	14.00	89.90	179.3	90.43	UL-RL	1.6045E+04	-9.400	0.000	1.000	1.000	89.90	0.000	0.000	Strato2_3095_82743_L_0
49 D	17.94	3.6522E-03	18.00	89.70	183.3	92.39	UL-RL	1.6045E+04	-9.600	0.000	1.000	1.000	89.70	0.000	0.000	Strato2_3095_82743_L_0
50 D	17.87	3.4251E-03	22.00	89.36	187.3	94.36	UL-RL	1.6045E+04	-9.800	0.000	1.000	1.000	89.36	0.000	0.000	Strato2_3095_82743_L_0
51 D	17.80	3.2068E-03	26.00	88.99	191.3	96.33	UL-RL	1.6045E+04	-10.00	0.000	1.000	1.000	88.99	0.000	0.000	Strato2_3095_82743_L_0
52 D	17.72	2.9977E-03	30.00	88.62	195.3	98.31	UL-RL	1.6045E+04	-10.20	0.000	1.000	1.000	88.62	0.000	0.000	Strato2_3095_82743_L_0
53 D	17.66	2.7982E-03	34.00	88.30	199.3	100.3	UL-RL	1.6045E+04	-10.40	0.000	1.000	1.000	88.30	0.000	0.000	Strato2_3095_82743_L_0
54 D	17.61	2.6085E-03	38.00	88.06	203.3	102.3	UL-RL	1.6045E+04	-10.60	0.000	1.000	1.000	88.06	0.000	0.000	Strato2_3095_82743_L_0
55 D	17.58	2.4287E-03	42.00	87.90	207.3	104.2	UL-RL	1.6045E+04	-10.80	0.000	1.000	1.000	87.90	0.000	0.000	Strato2_3095_82743_L_0
56 D	17.57	2.2586E-03	46.00	87.85	211.3	106.2	UL-RL	1.6045E+04	-11.00	0.000	1.000	1.000	87.85	0.000	0.000	Strato2_3095_82743_L_0
57 D	17.58	2.0984E-03	50.00	87.90	215.3	108.2	UL-RL	1.6045E+04	-11.20	0.000	1.000	1.000	87.90	0.000	0.000	Strato2_3095_82743_L_0
58 D	17.61	1.9476E-03	54.00	88.07	219.3	110.2	UL-RL	1.6045E+04	-11.40	0.000	1.000	1.000	88.07	0.000	0.000	Strato2_3095_82743_L_0
59 D	17.67	1.8060E-03	58.00	88.34	223.3	112.2	UL-RL	1.6045E+04	-11.60	0.000	1.000	1.000	88.34	0.000	0.000	Strato2_3095_82743_L_0
60 D	17.75	1.6734E-03	62.00	88.73	227.3	114.2	UL-RL	1.6045E+04	-11.80	0.000	1.000	1.000	88.73	0.000	0.000	Strato2_3095_82743_L_0
61 D	17.84	1.5492E-03	66.00	89.22	231.3	116.2	UL-RL	1.6045E+04	-12.00	0.000	1.000	1.000	89.22	0.000	0.000	Strato2_3095_82743_L_0
62 D	17.96	1.4331E-03	70.00	89.81	235.3	118.2	UL-RL	1.6045E+04	-12.20	0.000	1.000	1.000	89.81	0.000	0.000	Strato2_3095_82743_L_0
63 D	18.10	1.3245E-03	74.00	90.50	239.3	120.2	UL-RL	1.6045E+04	-12.40	0.000	1.000	1.000	90.50	0.000	0.000	Strato2_3095_82743_L_0
64 D	18.26	1.2229E-03	78.00	91.28	243.3	122.2	UL-RL	1.6045E+04	-12.60	0.000	1.000	1.000	91.28	0.000	0.000	Strato2_3095_82743_L_0
65 D	18.43	1.1279E-03	82.00	92.14	247.3	124.2	UL-RL	1.6045E+04	-12.80	0.000	1.000	1.000	92.14	0.000	0.000	Strato2_3095_82743_L_0
66 D	18.62	1.0388E-03	86.00	93.08	251.3	126.2	UL-RL	1.6045E+04	-13.00	0.000	1.000	1.000	93.08	0.000	0.000	Strato2_3095_82743_L_0
67 D	18.82	9.5508E-04	90.00	94.09	255.3	128.2	UL-RL	1.6045E+04	-13.20	0.000	1.000	1.000	94.09	0.000	0.000	Strato2_3095_82743_L_0
68 D	19.03	8.7623E-04	94.00	95.16	259.3	130.2	UL-RL	1.6045E+04	-13.40	0.000	1.000	1.000	95.16	0.000	0.000	Strato2_3095_82743_L_0
69 D	19.26	8.0169E-04	98.00	96.28	263.3	132.2	UL-RL	1.6045E+04	-13.60	0.000	1.000	1.000	96.28	0.000	0.000	Strato2_3095_82743_L_0
70 D	19.49	7.3093E-04	102.0	97.45	267.3	134.2	UL-RL	1.6045E+04	-13.80	0.000	1.000	1.000				

```
97.45       0.000       0.000     Strato2_3095_82743_L_0
  71 D   19.73      6.6342E-04  106.0       98.65       271.3       136.2          UL-RL  1.6045E+04  -14.00       0.000       1.000       1.000
98.65       0.000       0.000     Strato2_3095_82743_L_0
  72 D   19.98      5.9867E-04  110.0       99.89       275.3       138.2          UL-RL  1.6045E+04  -14.20       0.000       1.000       1.000
99.89       0.000       0.000     Strato2_3095_82743_L_0
  73 D   20.23      5.3621E-04  114.0       101.2       279.3       140.2          UL-RL  1.6045E+04  -14.40       0.000       1.000       1.000
101.2       0.000       0.000     Strato2_3095_82743_L_0
  74 D   20.49      4.7562E-04  118.0       102.4       283.3       142.2          UL-RL  1.6045E+04  -14.60       0.000       1.000       1.000
102.4       0.000       0.000     Strato2_3095_82743_L_0
  75 D   20.75      4.1648E-04  122.0       103.7       287.3       144.2          UL-RL  1.6045E+04  -14.80       0.000       1.000       1.000
103.7       0.000       0.000     Strato2_3095_82743_L_0
  76 D   21.01      3.5844E-04  126.0       105.0       291.3       146.2          UL-RL  1.6045E+04  -15.00       0.000       1.000       1.000
105.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   21.27      3.0118E-04  130.0       106.3       295.3       148.2          UL-RL  1.6045E+04  -15.20       0.000       1.000       1.000
106.3       0.000       0.000     Strato2_3095_82743_L_0
  78 D   21.53      2.4444E-04  134.0       107.7       299.3       150.2          UL-RL  1.6045E+04  -15.40       0.000       1.000       1.000
107.7       0.000       0.000     Strato2_3095_82743_L_0
  79 D   21.79      1.8800E-04  138.0       109.0       303.3       152.2          UL-RL  1.6045E+04  -15.60       0.000       1.000       1.000
109.0       0.000       0.000     Strato2_3095_82743_L_0
  80 D   22.05      1.3171E-04  142.0       110.3       307.3       154.2          UL-RL  1.6045E+04  -15.80       0.000       1.000       1.000
110.3       0.000       0.000     Strato2_3095_82743_L_0
  81 D   11.16      7.5452E-05  146.0       111.6       311.3       156.2          UL-RL  1.6045E+04  -16.00       0.000       1.000       1.000
111.6       0.000       0.000     Strato2_3095_82743_L_0
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                   Exe Time :29 July 2019      18:01:09                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S     5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------------
    1 0.30400    -0.30400    -3.71619E-11 6.08000E-02
    2 0.86087    -0.86087    -6.08000E-02 0.23297
    3  1.7084     -1.7084    -0.23297     0.57465
    4  2.8113     -2.8113    -0.57465      1.1369
    5  4.1585     -4.1585     -1.1369      1.9686
    6  5.7449     -5.7449     -1.9686      3.1176
    7  7.5680     -7.5680     -3.1176      4.6312
    8  9.6262     -9.6262     -4.6312      6.5564
    9  11.878     -11.878     -6.5564      8.9320
   10  14.367     -14.367     -8.9320      11.805
   11  17.094     -17.094     -11.805      15.224
   12  20.056     -20.056     -15.224      19.235
   13  23.252     -23.252     -19.235      23.886
   14  26.683     -26.683     -23.886      29.223
   15  30.348     -30.348     -29.223      35.292
   16  34.224     -34.224     -35.292      42.137
   17 -75.175      75.175     -42.137      27.102
   18 -70.830      70.830     -27.102      12.936
   19 -66.252      66.252     -12.936    -0.31421
   20 -61.440      61.440    0.31421     -12.602
   21 -56.394      56.394     12.602     -23.881
   22 -51.116      51.116     23.881     -34.104
   23 -45.605      45.605     34.104     -43.225
   24 -39.876      39.876     43.225     -51.200
   25 -33.914      33.914     51.200     -57.983
   26 -27.718      27.718     57.983     -63.527
   27 -21.290      21.290     63.527     -67.785
   28 -14.629      14.629     67.785     -70.711
   29 -7.7355      7.7355     70.711     -72.258
   30-0.60936     0.60936     72.258     -72.379
   31  6.7377     -6.7377     72.379     -71.032
   32  14.317     -14.317     71.032     -68.168
   33  22.130     -22.130     68.168     -63.742
   34  30.175     -30.175     63.742     -57.708
   35  38.452     -38.452     57.708     -50.017
   36  46.962     -46.962     50.017     -40.625
   37  55.704     -55.704     40.625     -29.484
   38  64.678     -64.678     29.484     -16.548
   39  73.875     -73.875     16.548     -1.7735
```

40	83.305	-83.305	1.7735	14.887
41	92.966	-92.966	-14.887	33.481
42	102.86	-102.86	-33.481	54.053
43	112.99	-112.99	-54.053	76.650
44	123.34	-123.34	-76.650	101.32
45	110.62	-110.62	-101.32	123.44
46	97.648	-97.648	-123.44	142.97
47	84.552	-84.552	-142.97	159.88
48	71.446	-71.446	-159.88	174.17
49	58.569	-58.569	-174.17	185.89
50	45.947	-45.947	-185.89	195.08
51	33.590	-33.590	-195.08	201.79
52	21.494	-21.494	-201.79	206.09
53	9.6510	-9.6510	-206.09	208.02
54	-1.9600	1.9600	-208.02	207.63
55	-12.604	12.604	-207.63	205.11
56	-21.919	21.919	-205.11	200.73
57	-29.983	29.983	-200.73	194.73
58	-36.875	36.875	-194.73	187.35
59	-42.670	42.670	-187.35	178.82
60	-47.441	47.441	-178.82	169.33
61	-51.267	51.267	-169.33	159.08
62	-54.203	54.203	-159.08	148.24
63	-56.312	56.312	-148.24	136.98
64	-57.651	57.651	-136.98	125.45
65	-58.271	58.271	-125.45	113.79
66	-58.221	58.221	-113.79	102.15
67	-57.543	57.543	-102.15	90.639
68	-56.277	56.277	-90.639	79.383
69	-54.465	54.465	-79.383	68.490
70	-52.126	52.126	-68.490	58.065
71	-49.288	49.288	-58.065	48.208
72	-45.970	45.970	-48.208	39.014
73	-42.189	42.189	-39.014	30.576
74	-37.960	37.960	-30.576	22.984
75	-33.293	33.293	-22.984	16.325
76	-28.203	28.203	-16.325	10.685
77	-22.687	22.687	-10.685	6.1473
78	-16.747	16.747	-6.1473	2.7979
79	-10.386	10.386	-2.7979	0.72064
80	-3.6030	3.6030	-0.72064	-1.21950E-12

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:01:09

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 5.0000

POST-TENSION 2D-BOUNDARY ELEMENT

EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit		
ANCHOR 1	117.51	-7.17174E-04	8.23471E-03	0.0000	2633.3	0.0000	0.0000	ELASTIC	ORIGINAL YOUNG MODULUS

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:01:09

F I N A L I N C R E M E N T A L A N A L Y S I S

S U M M A R Y

STEP		NO. OF ITERATIONS
1	CONVERGENCE :YES	2
2	CONVERGENCE :YES	4
3	CONVERGENCE :YES	5

```
        4           CONVERGENCE :YES                    4
        5           CONVERGENCE :YES                    6


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.07 [sec]
DATABASE  CREATION CPU TIME.....    0.26 [sec]
```

3.3. Design Assumption : SLE (Rara) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)
 * Time:lunedì 29 luglio 2019 18:01:10
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -16 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -16 0 1 0
 SOIL 0_R LeftWall_32 -16 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0




 * 6.3: Strips
 STRIP LeftWall_32 2 5 0 40 0 10 30

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
```

```
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -16 0 0
ENDSTEP
```

3.4. Design Assumption : SLE (Rara) - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                    Exe Time :29 July 2019      18:01:10                                                 |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
```

```
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                    *
                  *                                                    *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE     *
                  *              VIALE   GIUSTINIANO 10                *
                  *              20129   M I L A N O  (ITALIA)          *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)    *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)    *
                  *  email       bruno.becci@ceas.it                    *
                  *  Web Page    www.ceas.it                            *
                  ********************************************************



 JOB : NewProject.BaseDesignSection_28.SLERara_3454
 STARTING
ACCEPTED   <FILE,GENW                                                    >
ACCEPTED   <FILE,PLOTTER,BINARY                                          >
ACCEPTED   <SOLVE TOTAL_STRESS                                           >
ACCEPTED   <PARAM ITEMAX 100                                             >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                >



                  ********************************************************
                  *                                                      *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                  *    BY THE PROGRAM.                                   *
                  ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   88
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     88

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : STRIP LeftWall_32 2 5 0 40 0 10 30
   30 : STEP Stage1_31
   31 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   32 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   33 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   37 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   38 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   43 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   44 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   45 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   46 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   47 : SETWALL LeftWall_32
   48 : GEOM 0 0
   49 : WATER -26 0 -16 0 0
   50 : ADD WallElement_33
   51 : ENDSTEP
   52 : STEP Stage2_755438
   53 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   54 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   55 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   57 : SETWALL LeftWall_32
   58 : GEOM 0 0
   59 : WATER -26 0 -16 0 0
   60 : ENDSTEP
   61 : STEP Stage3_158
   62 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   63 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   64 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   66 : SETWALL LeftWall_32
   67 : GEOM 0 -3.7
   68 : WATER -26 0 -16 0 0
   69 : ENDSTEP
   70 : STEP Stage4_617
   71 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   72 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   73 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   74 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
```

```
   75 : SETWALL LeftWall_32
   76 : GEOM 0 -3.7
   77 : WATER -26 0 -16 0 0
   78 : ADD Tirante1_429
   79 : ENDSTEP
   80 : STEP Stage5_714
   81 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   82 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   83 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   84 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   85 : SETWALL LeftWall_32
   86 : GEOM 0 -8.7
   87 : WATER -26 0 -16 0 0
   88 : ENDSTEP



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000    -10.0000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2
```

prop(1) angle 0.00000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000

77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000

36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.....2D WALL ELEMENT.....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
```

1	1.000
2	1.000
3	1.000
4	1.000
5	1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000

75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   17    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   1.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    2
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   2.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    3
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   3.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    4
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   4.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    5
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   5.20000    0.0000E+00
   6.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    6
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   6.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   6.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =    8
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       6.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:01:10                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                      LOAD INPUT SECTION COMPLETED




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                  Exe Time :29 July 2019      18:01:10                                                 |
+-----------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
```

```
NO. OF DATA PER LAYER.........................  100



+----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                            |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                           |
|                                 Exe Time :29 July 2019      18:01:10                                      |
+----------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000      (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000      (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000      (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000      (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000      (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000      (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000      (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000      (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400      WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410      WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000      (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000      (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000      (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000      (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.      (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.      (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000      (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000      (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000      (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400      WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410      WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000      (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000      (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000      (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000      (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000      (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000      (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000      (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000      (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000      (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500      WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790      WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000      (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000      (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000      (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000      (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.      (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000      (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000      (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000      (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000      (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500      WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790      WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000      (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000      (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000      (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000      (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000      (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000      (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000      (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000      (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400      WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410      WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000      (BOTH WALLS)
```

```
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
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ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                 Exe Time :29 July 2019      18:01:10                                              |
+-------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                     LEFT WALL    RIGHT WALL
Y                                     0.000       -0.9990E+30
Z-PC                                  0.000         0.000
Z-EXCAVATION                          0.000         0.000
Z-WATER_TABLE                        -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL             0.000         0.000
ZQ                                    0.000         0.000
DZW_OF_THE_WATER_TABLE                0.000         0.000
QS_ON_THE_EXCAVATION_SIDE             0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                  0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)     0.000         0.000
PORE_UPDATE_FLAG                      0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)      0.000         0.000
lateral thrusts reduction elevatio    0.000         0.000
Downhill reduction factor for effe    0.000         0.000
Downhill reduction factor for pore    0.000         0.000
Uphill reduction factor for effect    0.000         0.000
Uphill reduction factor for pore p    0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]      0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]     0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]     0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
```

UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

LEFT-HAND WALL

LOWER LEVEL -16.00000
UPPER LEVEL 0.00000

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 RIGHT-HAND WALL

 LOWER  LEVEL         -16.00000
 UPPER  LEVEL           0.00000




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:01:10                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3781

 NO. OF D.P.W  FOR THIS AREA       9608
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5117E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.73     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5117E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   162 NODE     81 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                              |
|                                  Exe Time :29 July 2019      18:01:10                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                              |
|                                  Exe Time :29 July 2019      18:01:10                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T    T I M E    I S      1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.5916E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.5916E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.5916E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.5916E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.5916E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.5916E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.5916E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.5916E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.5916E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.5916E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.5916E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.5916E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.5916E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.5916E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.5916E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.5916E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.5916E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.5916E+04  -3.400       0.000       1.000       1.000
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34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.5916E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.5916E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.5916E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.5916E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.5916E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.5916E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.5916E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.5916E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.5916E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.5916E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.5916E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.5916E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.5916E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.5916E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.5916E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.5916E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.5916E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.5916E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.5916E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.5916E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.5916E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.5916E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.5916E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.5916E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.5916E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.5916E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	4.5023E+04	-8.800	0.000	1.000	1.000
83.65	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	4.5023E+04	-9.000	0.000	1.000	1.000
85.65	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	4.5023E+04	-9.200	0.000	1.000	1.000
87.65	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	4.5023E+04	-9.400	0.000	1.000	1.000
89.65	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	4.5023E+04	-9.600	0.000	1.000	1.000
91.65	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	4.5023E+04	-9.800	0.000	1.000	1.000
93.65	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	4.5023E+04	-10.00	0.000	1.000	1.000
95.65	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	4.5023E+04	-10.20	0.000	1.000	1.000
97.65	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	4.5023E+04	-10.40	0.000	1.000	1.000
99.65	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	4.5023E+04	-10.60	0.000	1.000	1.000
101.6	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	4.5023E+04	-10.80	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	4.5023E+04	-11.00	0.000	1.000	1.000
105.6	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	4.5023E+04	-11.20	0.000	1.000	1.000
107.6	0.000	0.000	Strato2_3095_82743_L_0									
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	4.5023E+04	-11.40	0.000	1.000	1.000
109.6	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	4.5023E+04	-11.60	0.000	1.000	1.000
111.6	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	4.5023E+04	-11.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									

61 D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	4.5023E+04	-12.00	0.000	1.000	1.000	115.6	0.000	0.000	Strato2_3095_82743_L_0
62 D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	4.5023E+04	-12.20	0.000	1.000	1.000	117.6	0.000	0.000	Strato2_3095_82743_L_0
63 D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	4.5023E+04	-12.40	0.000	1.000	1.000	119.6	0.000	0.000	Strato2_3095_82743_L_0
64 D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	4.5023E+04	-12.60	0.000	1.000	1.000	121.6	0.000	0.000	Strato2_3095_82743_L_0
65 D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	4.5023E+04	-12.80	0.000	1.000	1.000	123.6	0.000	0.000	Strato2_3095_82743_L_0
66 D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	4.5023E+04	-13.00	0.000	1.000	1.000	125.6	0.000	0.000	Strato2_3095_82743_L_0
67 D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	4.5023E+04	-13.20	0.000	1.000	1.000	127.6	0.000	0.000	Strato2_3095_82743_L_0
68 D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	4.5023E+04	-13.40	0.000	1.000	1.000	129.6	0.000	0.000	Strato2_3095_82743_L_0
69 D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	4.5023E+04	-13.60	0.000	1.000	1.000	131.6	0.000	0.000	Strato2_3095_82743_L_0
70 D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	4.5023E+04	-13.80	0.000	1.000	1.000	133.6	0.000	0.000	Strato2_3095_82743_L_0
71 D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	4.5023E+04	-14.00	0.000	1.000	1.000	135.6	0.000	0.000	Strato2_3095_82743_L_0
72 D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	4.5023E+04	-14.20	0.000	1.000	1.000	137.6	0.000	0.000	Strato2_3095_82743_L_0
73 D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	4.5023E+04	-14.40	0.000	1.000	1.000	139.6	0.000	0.000	Strato2_3095_82743_L_0
74 D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	4.5023E+04	-14.60	0.000	1.000	1.000	141.6	0.000	0.000	Strato2_3095_82743_L_0
75 D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	4.5023E+04	-14.80	0.000	1.000	1.000	143.6	0.000	0.000	Strato2_3095_82743_L_0
76 D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	4.5023E+04	-15.00	0.000	1.000	1.000	145.6	0.000	0.000	Strato2_3095_82743_L_0
77 D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	4.5023E+04	-15.20	0.000	1.000	1.000	147.6	0.000	0.000	Strato2_3095_82743_L_0
78 D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	4.5023E+04	-15.40	0.000	1.000	1.000	149.6	0.000	0.000	Strato2_3095_82743_L_0
79 D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	4.5023E+04	-15.60	0.000	1.000	1.000	151.6	0.000	0.000	Strato2_3095_82743_L_0
80 D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	4.5023E+04	-15.80	0.000	1.000	1.000	153.6	0.000	0.000	Strato2_3095_82743_L_0
81 D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	4.5023E+04	-16.00	0.000	1.000	1.000	155.6	0.000	0.000	Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:01:10

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.1045E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.1045E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.1045E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.1045E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.1045E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.1045E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.1045E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.1045E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0

9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.1045E+04	-1.600	0.000	1.000	1.000	
16.11	0.000	0.000	Strato1_2_8_L_0										
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.1045E+04	-1.800	0.000	1.000	1.000	
18.13	0.000	0.000	Strato1_2_8_L_0										
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.1045E+04	-2.000	0.000	1.000	1.000	
20.14	0.000	0.000	Strato1_2_8_L_0										
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.1045E+04	-2.200	0.000	1.000	1.000	
22.15	0.000	0.000	Strato1_2_8_L_0										
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.1045E+04	-2.400	0.000	1.000	1.000	
24.17	0.000	0.000	Strato1_2_8_L_0										
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.1045E+04	-2.600	0.000	1.000	1.000	
26.18	0.000	0.000	Strato1_2_8_L_0										
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.1045E+04	-2.800	0.000	1.000	1.000	
28.20	0.000	0.000	Strato1_2_8_L_0										
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.1045E+04	-3.000	0.000	1.000	1.000	
30.21	0.000	0.000	Strato1_2_8_L_0										
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.1045E+04	-3.200	0.000	1.000	1.000	
32.22	0.000	0.000	Strato1_2_8_L_0										
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.1045E+04	-3.400	0.000	1.000	1.000	
34.24	0.000	0.000	Strato1_2_8_L_0										
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.1045E+04	-3.600	0.000	1.000	1.000	
36.25	0.000	0.000	Strato1_2_8_L_0										
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.1045E+04	-3.800	0.000	1.000	1.000	
38.27	0.000	0.000	Strato1_2_8_L_0										
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.1045E+04	-4.000	0.000	1.000	1.000	
40.28	0.000	0.000	Strato1_2_8_L_0										
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.1045E+04	-4.200	0.000	1.000	1.000	
42.29	0.000	0.000	Strato1_2_8_L_0										
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.1045E+04	-4.400	0.000	1.000	1.000	
44.31	0.000	0.000	Strato1_2_8_L_0										
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.1045E+04	-4.600	0.000	1.000	1.000	
46.32	0.000	0.000	Strato1_2_8_L_0										
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.1045E+04	-4.800	0.000	1.000	1.000	
48.34	0.000	0.000	Strato1_2_8_L_0										
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.1045E+04	-5.000	0.000	1.000	1.000	
50.35	0.000	0.000	Strato1_2_8_L_0										
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.1045E+04	-5.200	0.000	1.000	1.000	
52.36	0.000	0.000	Strato1_2_8_L_0										
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.1045E+04	-5.400	0.000	1.000	1.000	
54.38	0.000	0.000	Strato1_2_8_L_0										
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.1045E+04	-5.600	0.000	1.000	1.000	
56.39	0.000	0.000	Strato1_2_8_L_0										
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.1045E+04	-5.800	0.000	1.000	1.000	
58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.1045E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.1045E+04	-6.200	0.000	1.000	1.000	
62.43	0.000	0.000	Strato1_2_8_L_0										
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.1045E+04	-6.400	0.000	1.000	1.000	
64.45	0.000	0.000	Strato1_2_8_L_0										
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.1045E+04	-6.600	0.000	1.000	1.000	
66.46	0.000	0.000	Strato1_2_8_L_0										
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.1045E+04	-6.800	0.000	1.000	1.000	
68.48	0.000	0.000	Strato1_2_8_L_0										
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.1045E+04	-7.000	0.000	1.000	1.000	
70.49	0.000	0.000	Strato1_2_8_L_0										
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.1045E+04	-7.200	0.000	1.000	1.000	
72.50	0.000	0.000	Strato1_2_8_L_0										
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.1045E+04	-7.400	0.000	1.000	1.000	
74.52	0.000	0.000	Strato1_2_8_L_0										
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.1045E+04	-7.600	0.000	1.000	1.000	
76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.1045E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.1045E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.1045E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.1045E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.1045E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	2.4402E+04	-8.800	0.000	1.000	1.000	
83.65	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	2.4402E+04	-9.000	0.000	1.000	1.000	
85.65	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	2.4402E+04	-9.200	0.000	1.000	1.000	
87.65	0.000	0.000	Strato2_3095_82743_L_0										
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	2.4402E+04	-9.400	0.000	1.000	1.000	
89.65	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	2.4402E+04	-9.600	0.000	1.000	1.000	
91.65	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	2.4402E+04	-9.800	0.000	1.000	1.000	
93.65	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	2.4402E+04	-10.00	0.000	1.000	1.000	

95.65	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	2.4402E+04	-10.20	0.000	1.000	1.000	
97.65	0.000	0.000	Strato2_3095_82743_L_0										
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	2.4402E+04	-10.40	0.000	1.000	1.000	
99.65	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	2.4402E+04	-10.60	0.000	1.000	1.000	
101.6	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	2.4402E+04	-10.80	0.000	1.000	1.000	
103.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	2.4402E+04	-11.00	0.000	1.000	1.000	
105.6	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	2.4402E+04	-11.20	0.000	1.000	1.000	
107.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	2.4402E+04	-11.40	0.000	1.000	1.000	
109.6	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	2.4402E+04	-11.60	0.000	1.000	1.000	
111.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	2.4402E+04	-11.80	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										
61 D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	2.4402E+04	-12.00	0.000	1.000	1.000	
115.6	0.000	0.000	Strato2_3095_82743_L_0										
62 D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	2.4402E+04	-12.20	0.000	1.000	1.000	
117.6	0.000	0.000	Strato2_3095_82743_L_0										
63 D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	2.4402E+04	-12.40	0.000	1.000	1.000	
119.6	0.000	0.000	Strato2_3095_82743_L_0										
64 D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	2.4402E+04	-12.60	0.000	1.000	1.000	
121.6	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	2.4402E+04	-12.80	0.000	1.000	1.000	
123.6	0.000	0.000	Strato2_3095_82743_L_0										
66 D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	2.4402E+04	-13.00	0.000	1.000	1.000	
125.6	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	2.4402E+04	-13.20	0.000	1.000	1.000	
127.6	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	2.4402E+04	-13.40	0.000	1.000	1.000	
129.6	0.000	0.000	Strato2_3095_82743_L_0										
69 D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	2.4402E+04	-13.60	0.000	1.000	1.000	
131.6	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	2.4402E+04	-13.80	0.000	1.000	1.000	
133.6	0.000	0.000	Strato2_3095_82743_L_0										
71 D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	2.4402E+04	-14.00	0.000	1.000	1.000	
135.6	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	2.4402E+04	-14.20	0.000	1.000	1.000	
137.6	0.000	0.000	Strato2_3095_82743_L_0										
73 D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	2.4402E+04	-14.40	0.000	1.000	1.000	
139.6	0.000	0.000	Strato2_3095_82743_L_0										
74 D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	2.4402E+04	-14.60	0.000	1.000	1.000	
141.6	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	2.4402E+04	-14.80	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
76 D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	2.4402E+04	-15.00	0.000	1.000	1.000	
145.6	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	2.4402E+04	-15.20	0.000	1.000	1.000	
147.6	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	2.4402E+04	-15.40	0.000	1.000	1.000	
149.6	0.000	0.000	Strato2_3095_82743_L_0										
79 D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	2.4402E+04	-15.60	0.000	1.000	1.000	
151.6	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	2.4402E+04	-15.80	0.000	1.000	1.000	
153.6	0.000	0.000	Strato2_3095_82743_L_0										
81 D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	2.4402E+04	-16.00	0.000	1.000	1.000	
155.6	0.000	0.000	Strato2_3095_82743_L_0										

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      18:01:10                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                 :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
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60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000

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|                                                                                                                        |
|                                   NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                Exe Time :29 July 2019      18:01:10                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
--------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER      0 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM= 40.59      REMNOR= 0.000     RATIO =0.2768E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.2768E-01 RATIOR= 0.000
           MAX UN=0.7687      IEQ=     15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000      IEQ=      2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.5074E-01 REMNOR=0.1132E-21 RATIO =0.9787E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.9787E-03 RATIOR= 0.000
           MAX UN=0.2084      IEQ=      3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3350E-10 IEQ=     89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.6870E-03 REMNOR=0.1550E-22 RATIO =0.1139E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.1139E-03 RATIOR= 0.000
           MAX UN=0.2580E-01 IEQ=      5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.2249E-10 IEQ=      3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5297E+05 RIMNOR= 0.000
           RENORM=0.5174E-08 REMNOR=0.1522E-22 RATIO =0.3126E-06 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 31.42      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5297E+05 RDR   = 0.000
           RATIOT=0.3126E-06 RATIOR= 0.000
           MAX UN=0.4145E-04 IEQ=    119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.2401E-10 IEQ=     33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.9765915E-05  -1.9399230E-06
    2   6.9378411E-05  -1.9327060E-06
    3   6.8993796E-05  -1.9110355E-06
    4   6.8614787E-05  -1.8775148E-06
    5   6.8243259E-05  -1.8369576E-06
    6   6.7880224E-05  -1.7930981E-06
    7   6.7526064E-05  -1.7485798E-06
    8   6.7180712E-05  -1.7052722E-06
    9   6.6843789E-05  -1.6644470E-06
   10   6.6514603E-05  -1.6285736E-06
   11   6.6191793E-05  -1.6012040E-06
   12   6.5873364E-05  -1.5851888E-06
   13   6.5556810E-05  -1.5827789E-06
   14   6.5239230E-05  -1.5956998E-06
   15   6.4917425E-05  -1.6252080E-06
   16   6.4587986E-05  -1.6721321E-06
   17   6.4247320E-05  -1.7378362E-06
   18   6.3891476E-05  -1.8241825E-06
   19   6.3516178E-05  -1.9325604E-06
   20   6.3116920E-05  -2.0639097E-06
   21   6.2689049E-05  -2.2187349E-06
   22   6.2227856E-05  -2.3971135E-06
   23   6.1728657E-05  -2.5986978E-06
   24   6.1186884E-05  -2.8227107E-06
   25   6.0598120E-05  -3.0685573E-06
   26   5.9958037E-05  -3.3357740E-06
   27   5.9262451E-05  -3.6233712E-06
   28   5.8507431E-05  -3.9298183E-06
   29   5.7689411E-05  -4.2530236E-06
   30   5.6805287E-05  -4.5903190E-06
   31   5.5852563E-05  -4.9384255E-06
   32   5.4829425E-05  -5.2939067E-06
   33   5.3734751E-05  -5.6531207E-06
   34   5.2568219E-05  -6.0116993E-06
   35   5.1330462E-05  -6.3645146E-06
   36   5.0023198E-05  -6.7056550E-06
   37   4.8649427E-05  -7.0283826E-06
   38   4.7213578E-05  -7.3251094E-06
   39   4.5721682E-05  -7.5873658E-06
   40   4.4181538E-05  -7.8061483E-06
   41   4.2602766E-05  -7.9718899E-06
   42   4.0997021E-05  -8.0740480E-06
   43   3.9378154E-05  -8.1010962E-06
   44   3.7762424E-05  -8.0405168E-06
   45   3.6168698E-05  -7.8788035E-06
   46   3.4617400E-05  -7.6197401E-06
   47   3.3125914E-05  -7.2839899E-06
   48   3.1707678E-05  -6.8901377E-06
   49   3.0372645E-05  -6.4544872E-06
   50   2.9127733E-05  -5.9911846E-06
   51   2.7977214E-05  -5.5123437E-06
   52   2.6923169E-05  -5.0282120E-06
   53   2.5965738E-05  -4.5472702E-06
   54   2.5103587E-05  -4.0764406E-06
   55   2.4334105E-05  -3.6214519E-06
   56   2.3653637E-05  -3.1869882E-06
   57   2.3057707E-05  -2.7765683E-06
   58   2.2541241E-05  -2.3926791E-06
   59   2.2098761E-05  -2.0369019E-06
   60   2.1724554E-05  -1.7100313E-06
   61   2.1412814E-05  -1.4121839E-06
   62   2.1157761E-05  -1.1431245E-06
   63   2.0953678E-05  -9.0235386E-07
   64   2.0794994E-05  -6.8896252E-07
   65   2.0676351E-05  -5.0170633E-07
   66   2.0592670E-05  -3.3907292E-07
   67   2.0539195E-05  -1.9934031E-07
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68	2.0511532E-05	-8.0628096E-08
69	2.0505676E-05	1.9058490E-08
70	2.0518012E-05	1.0159121E-07
71	2.0545283E-05	1.6869011E-07
72	2.0584576E-05	2.2209957E-07
73	2.0633327E-05	2.6356640E-07
74	2.0689321E-05	2.9482199E-07
75	2.0750688E-05	3.1756821E-07
76	2.0815892E-05	3.3346649E-07
77	2.0883714E-05	3.4394821E-07
78	2.0953190E-05	3.5021106E-07
79	2.1023593E-05	3.5339836E-07
80	2.1094417E-05	3.5459578E-07
81	2.1165371E-05	3.5482906E-07

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                    |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                  |
|                                   Exe Time :29 July 2019      18:01:10                             |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.3040	-6.9766E-05	10.00	3.040	10.00	5.300	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2	D	0.5569	-6.9378E-05	9.159	2.784	9.159	4.854	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	2.784	0.000	0.000	Strato1_2_8_L_0
3	D	0.8475	-6.8994E-05	13.94	4.238	13.94	7.388	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.238	0.000	0.000	Strato1_2_8_L_0
4	D	1.268	-6.8615E-05	18.14	6.338	18.14	9.614	UL-RL	4.7747E+04	-0.6000	0.000	1.000	1.000	6.338	0.000	0.000	Strato1_2_8_L_0
5	D	1.697	-6.8243E-05	22.16	8.485	22.16	11.74	UL-RL	4.7747E+04	-0.8000	0.000	1.000	1.000	8.485	0.000	0.000	Strato1_2_8_L_0
6	D	2.118	-6.7880E-05	26.09	10.59	26.09	13.83	UL-RL	4.7747E+04	-1.000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
7	D	2.534	-6.7526E-05	29.98	12.67	29.98	15.89	UL-RL	4.7747E+04	-1.200	0.000	1.000	1.000	12.67	0.000	0.000	Strato1_2_8_L_0
8	D	2.947	-6.7181E-05	33.85	14.73	33.85	17.94	UL-RL	4.7747E+04	-1.400	0.000	1.000	1.000	14.73	0.000	0.000	Strato1_2_8_L_0
9	D	3.287	-6.6844E-05	37.03	16.44	37.03	19.63	UL-RL	4.7747E+04	-1.600	0.000	1.000	1.000	16.44	0.000	0.000	Strato1_2_8_L_0
10	D	3.705	-6.6515E-05	40.95	18.53	40.95	21.70	UL-RL	4.7747E+04	-1.800	0.000	1.000	1.000	18.53	0.000	0.000	Strato1_2_8_L_0
11	D	4.121	-6.6192E-05	44.84	20.60	44.84	23.77	UL-RL	4.7747E+04	-2.000	0.000	1.000	1.000	20.60	0.000	0.000	Strato1_2_8_L_0
12	D	4.535	-6.5873E-05	48.72	22.67	48.72	25.82	UL-RL	4.7747E+04	-2.200	0.000	1.000	1.000	22.67	0.000	0.000	Strato1_2_8_L_0
13	D	4.947	-6.5557E-05	52.58	24.74	52.58	27.87	UL-RL	4.7747E+04	-2.400	0.000	1.000	1.000	24.74	0.000	0.000	Strato1_2_8_L_0
14	D	5.359	-6.5239E-05	56.43	26.79	56.43	29.91	UL-RL	4.7747E+04	-2.600	0.000	1.000	1.000	26.79	0.000	0.000	Strato1_2_8_L_0
15	D	5.769	-6.4917E-05	60.28	28.85	60.28	31.95	UL-RL	4.7747E+04	-2.800	0.000	1.000	1.000	28.85	0.000	0.000	Strato1_2_8_L_0
16	D	6.140	-6.4588E-05	63.75	30.70	63.75	33.79	UL-RL	4.7747E+04	-3.000	0.000	1.000	1.000	30.70	0.000	0.000	Strato1_2_8_L_0
17	D	6.553	-6.4247E-05	67.61	32.76	67.61	35.83	UL-RL	4.7747E+04	-3.200	0.000	1.000	1.000	32.76	0.000	0.000	Strato1_2_8_L_0
18	D	6.964	-6.3891E-05	71.46	34.82	71.46	37.87	UL-RL	4.7747E+04	-3.400	0.000	1.000	1.000	34.82	0.000	0.000	Strato1_2_8_L_0
19	D	7.376	-6.3516E-05	75.30	36.88	75.30	39.91	UL-RL	4.7747E+04	-3.600	0.000	1.000	1.000	36.88	0.000	0.000	Strato1_2_8_L_0
20	D	7.787	-6.3117E-05	79.14	38.93	79.14	41.95	UL-RL	4.7747E+04	-3.800	0.000	1.000	1.000	38.93	0.000	0.000	Strato1_2_8_L_0
21	D	8.197	-6.2689E-05	82.98	40.99	82.98	43.98	UL-RL	4.7747E+04	-4.000	0.000	1.000	1.000	40.99	0.000	0.000	Strato1_2_8_L_0
22	D	8.608	-6.2228E-05	86.81	43.04	86.81	46.01	UL-RL	4.7747E+04	-4.200	0.000	1.000	1.000	43.04	0.000	0.000	Strato1_2_8_L_0

23 D	9.019	-6.1729E-05	90.64	45.09	90.64	48.04	UL-RL	4.7747E+04	-4.400	0.000	1.000	1.000
45.09	0.000	0.000	Strato1_2_8_L_0									
24 D	9.404	-6.1187E-05	94.23	47.02	94.23	49.94	UL-RL	4.7747E+04	-4.600	0.000	1.000	1.000
47.02	0.000	0.000	Strato1_2_8_L_0									
25 D	9.816	-6.0598E-05	98.06	49.08	98.06	51.97	UL-RL	4.7747E+04	-4.800	0.000	1.000	1.000
49.08	0.000	0.000	Strato1_2_8_L_0									
26 D	10.23	-5.9958E-05	101.9	51.14	101.9	54.01	UL-RL	4.7747E+04	-5.000	0.000	1.000	1.000
51.14	0.000	0.000	Strato1_2_8_L_0									
27 D	10.64	-5.9262E-05	105.7	53.21	105.7	56.04	UL-RL	4.7747E+04	-5.200	0.000	1.000	1.000
53.21	0.000	0.000	Strato1_2_8_L_0									
28 D	11.05	-5.8507E-05	109.6	55.27	109.6	58.06	UL-RL	4.7747E+04	-5.400	0.000	1.000	1.000
55.27	0.000	0.000	Strato1_2_8_L_0									
29 D	11.47	-5.7689E-05	113.4	57.34	113.4	60.09	UL-RL	4.7747E+04	-5.600	0.000	1.000	1.000
57.34	0.000	0.000	Strato1_2_8_L_0									
30 D	11.88	-5.6805E-05	117.2	59.41	117.2	62.12	UL-RL	4.7747E+04	-5.800	0.000	1.000	1.000
59.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.28	-5.5853E-05	120.8	61.38	120.8	64.05	UL-RL	4.7747E+04	-6.000	0.000	1.000	1.000
61.38	0.000	0.000	Strato1_2_8_L_0									
32 D	12.69	-5.4829E-05	124.7	63.46	124.7	66.07	UL-RL	4.7747E+04	-6.200	0.000	1.000	1.000
63.46	0.000	0.000	Strato1_2_8_L_0									
33 D	13.11	-5.3735E-05	128.5	65.54	128.5	68.10	UL-RL	4.7747E+04	-6.400	0.000	1.000	1.000
65.54	0.000	0.000	Strato1_2_8_L_0									
34 D	13.52	-5.2568E-05	132.3	67.62	132.3	70.13	UL-RL	4.7747E+04	-6.600	0.000	1.000	1.000
67.62	0.000	0.000	Strato1_2_8_L_0									
35 D	13.94	-5.1330E-05	136.1	69.70	136.1	72.15	UL-RL	4.7747E+04	-6.800	0.000	1.000	1.000
69.70	0.000	0.000	Strato1_2_8_L_0									
36 D	14.36	-5.0023E-05	140.0	71.79	140.0	74.18	UL-RL	4.7747E+04	-7.000	0.000	1.000	1.000
71.79	0.000	0.000	Strato1_2_8_L_0									
37 D	14.78	-4.8649E-05	143.8	73.88	143.8	76.20	UL-RL	4.7747E+04	-7.200	0.000	1.000	1.000
73.88	0.000	0.000	Strato1_2_8_L_0									
38 D	15.19	-4.7214E-05	147.6	75.97	147.6	78.23	UL-RL	4.7747E+04	-7.400	0.000	1.000	1.000
75.97	0.000	0.000	Strato1_2_8_L_0									
39 D	15.60	-4.5722E-05	151.3	77.99	151.3	80.17	UL-RL	4.7747E+04	-7.600	0.000	1.000	1.000
77.99	0.000	0.000	Strato1_2_8_L_0									
40 D	16.02	-4.4182E-05	155.1	80.09	155.1	82.20	UL-RL	4.7747E+04	-7.800	0.000	1.000	1.000
80.09	0.000	0.000	Strato1_2_8_L_0									
41 D	16.44	-4.2603E-05	158.9	82.19	158.9	84.22	UL-RL	4.7747E+04	-8.000	0.000	1.000	1.000
82.19	0.000	0.000	Strato1_2_8_L_0									
42 D	16.86	-4.0997E-05	162.7	84.29	162.7	86.25	UL-RL	4.7747E+04	-8.200	0.000	1.000	1.000
84.29	0.000	0.000	Strato1_2_8_L_0									
43 D	17.28	-3.9378E-05	166.5	86.39	166.5	88.27	UL-RL	4.7747E+04	-8.400	0.000	1.000	1.000
86.39	0.000	0.000	Strato1_2_8_L_0									
44 D	17.70	-3.7762E-05	170.4	88.49	170.4	90.29	UL-RL	4.7747E+04	-8.600	0.000	1.000	1.000
88.49	0.000	0.000	Strato1_2_8_L_0									
45 D	16.45	-3.6169E-05	174.3	82.26	174.3	87.14	UL-RL	1.3507E+05	-8.800	0.000	1.000	1.000
82.26	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.88	-3.4617E-05	178.2	84.41	178.2	89.09	UL-RL	1.3507E+05	-9.000	0.000	1.000	1.000
84.41	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.32	-3.3126E-05	182.2	86.62	182.2	91.09	UL-RL	1.3507E+05	-9.200	0.000	1.000	1.000
86.62	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.76	-3.1708E-05	186.2	88.82	186.2	93.10	UL-RL	1.3507E+05	-9.400	0.000	1.000	1.000
88.82	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.20	-3.0373E-05	190.2	91.01	190.2	95.11	UL-RL	1.3507E+05	-9.600	0.000	1.000	1.000
91.01	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.64	-2.9128E-05	194.2	93.19	194.2	97.12	UL-RL	1.3507E+05	-9.800	0.000	1.000	1.000
93.19	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.07	-2.7977E-05	198.3	95.35	198.3	99.13	UL-RL	1.3507E+05	-10.00	0.000	1.000	1.000
95.35	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.50	-2.6923E-05	202.3	97.50	202.3	101.1	UL-RL	1.3507E+05	-10.20	0.000	1.000	1.000
97.50	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.93	-2.5966E-05	206.3	99.63	206.3	103.1	UL-RL	1.3507E+05	-10.40	0.000	1.000	1.000
99.63	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.34	-2.5104E-05	210.2	101.7	210.2	105.1	UL-RL	1.3507E+05	-10.60	0.000	1.000	1.000
101.7	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.76	-2.4334E-05	214.2	103.8	214.2	107.1	UL-RL	1.3507E+05	-10.80	0.000	1.000	1.000
103.8	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.18	-2.3654E-05	218.2	105.9	218.2	109.1	UL-RL	1.3507E+05	-11.00	0.000	1.000	1.000
105.9	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.60	-2.3058E-05	222.2	108.0	222.2	111.1	UL-RL	1.3507E+05	-11.20	0.000	1.000	1.000
108.0	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.02	-2.2541E-05	226.2	110.1	226.2	113.1	UL-RL	1.3507E+05	-11.40	0.000	1.000	1.000
110.1	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.43	-2.2099E-05	230.3	112.1	230.3	115.1	UL-RL	1.3507E+05	-11.60	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.84	-2.1725E-05	234.3	114.2	234.3	117.1	UL-RL	1.3507E+05	-11.80	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.24	-2.1413E-05	238.2	116.2	238.2	119.1	UL-RL	1.3507E+05	-12.00	0.000	1.000	1.000
116.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.65	-2.1158E-05	242.2	118.2	242.2	121.1	UL-RL	1.3507E+05	-12.20	0.000	1.000	1.000
118.2	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.06	-2.0954E-05	246.2	120.3	246.2	123.1	UL-RL	1.3507E+05	-12.40	0.000	1.000	1.000
120.3	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.46	-2.0795E-05	250.2	122.3	250.2	125.1	UL-RL	1.3507E+05	-12.60	0.000	1.000	1.000
122.3	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.87	-2.0676E-05	254.2	124.3	254.2	127.1	UL-RL	1.3507E+05	-12.80	0.000	1.000	1.000

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124.3       0.000      0.000     Strato2_3095_82743_L_0
  66 D   25.27     -2.0593E-05  258.2       126.3       258.2       129.1          UL-RL  1.3507E+05  -13.00      0.000       1.000       1.000
126.3       0.000      0.000     Strato2_3095_82743_L_0
  67 D   25.67     -2.0539E-05  262.3       128.4       262.3       131.1          UL-RL  1.3507E+05  -13.20      0.000       1.000       1.000
128.4       0.000      0.000     Strato2_3095_82743_L_0
  68 D   26.07     -2.0512E-05  266.3       130.4       266.3       133.1          UL-RL  1.3507E+05  -13.40      0.000       1.000       1.000
130.4       0.000      0.000     Strato2_3095_82743_L_0
  69 D   26.47     -2.0506E-05  270.2       132.3       270.2       135.1          UL-RL  1.3507E+05  -13.60      0.000       1.000       1.000
132.3       0.000      0.000     Strato2_3095_82743_L_0
  70 D   26.87     -2.0518E-05  274.2       134.3       274.2       137.1          UL-RL  1.3507E+05  -13.80      0.000       1.000       1.000
134.3       0.000      0.000     Strato2_3095_82743_L_0
  71 D   27.27     -2.0545E-05  278.2       136.3       278.2       139.1          UL-RL  1.3507E+05  -14.00      0.000       1.000       1.000
136.3       0.000      0.000     Strato2_3095_82743_L_0
  72 D   27.67     -2.0585E-05  282.2       138.3       282.2       141.1          UL-RL  1.3507E+05  -14.20      0.000       1.000       1.000
138.3       0.000      0.000     Strato2_3095_82743_L_0
  73 D   28.07     -2.0633E-05  286.2       140.3       286.2       143.1          UL-RL  1.3507E+05  -14.40      0.000       1.000       1.000
140.3       0.000      0.000     Strato2_3095_82743_L_0
  74 D   28.47     -2.0689E-05  290.3       142.3       290.3       145.1          UL-RL  1.3507E+05  -14.60      0.000       1.000       1.000
142.3       0.000      0.000     Strato2_3095_82743_L_0
  75 D   28.87     -2.0751E-05  294.3       144.3       294.3       147.1          UL-RL  1.3507E+05  -14.80      0.000       1.000       1.000
144.3       0.000      0.000     Strato2_3095_82743_L_0
  76 D   29.26     -2.0816E-05  298.2       146.3       298.2       149.1          UL-RL  1.3507E+05  -15.00      0.000       1.000       1.000
146.3       0.000      0.000     Strato2_3095_82743_L_0
  77 D   29.66     -2.0884E-05  302.2       148.3       302.2       151.1          UL-RL  1.3507E+05  -15.20      0.000       1.000       1.000
148.3       0.000      0.000     Strato2_3095_82743_L_0
  78 D   30.06     -2.0953E-05  306.2       150.3       306.2       153.1          UL-RL  1.3507E+05  -15.40      0.000       1.000       1.000
150.3       0.000      0.000     Strato2_3095_82743_L_0
  79 D   30.45     -2.1024E-05  310.2       152.3       310.2       155.1          UL-RL  1.3507E+05  -15.60      0.000       1.000       1.000
152.3       0.000      0.000     Strato2_3095_82743_L_0
  80 D   30.85     -2.1094E-05  314.2       154.3       314.2       157.1          UL-RL  1.3507E+05  -15.80      0.000       1.000       1.000
154.3       0.000      0.000     Strato2_3095_82743_L_0
  81 D   15.63     -2.1165E-05  318.2       156.3       318.2       159.1          UL-RL  1.3507E+05  -16.00      0.000       1.000       1.000
156.3       0.000      0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
 |                                                                                                          |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                         |
 |                                   Exe Time :29 July 2019      18:01:10                                   |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                  :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P      MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR     UFACTOR
Peq           Su_a         Su_p     LAYER
---------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000     6.9766E-05  0.000       0.000       0.000       0.000         PASSIVE  0.000       0.000       0.000       1.000       1.000
0.000       0.000      0.000     Strato1_2_8_L_0
   2 D  0.5561     6.9378E-05  3.800       2.780       3.800       2.780             V-C  1.1045E+04 -0.2000      0.000       1.000       1.000
2.780       0.000      0.000     Strato1_2_8_L_0
   3 D  0.9580     6.8994E-05  7.600       4.790       7.600       4.790             V-C  1.1045E+04 -0.4000      0.000       1.000       1.000
4.790       0.000      0.000     Strato1_2_8_L_0
   4 D   1.360     6.8615E-05  11.40       6.800       11.40       6.800             V-C  1.1045E+04 -0.6000      0.000       1.000       1.000
6.800       0.000      0.000     Strato1_2_8_L_0
   5 D   1.762     6.8243E-05  15.20       8.810       15.20       8.810             V-C  1.1045E+04 -0.8000      0.000       1.000       1.000
8.810       0.000      0.000     Strato1_2_8_L_0
   6 D   2.164     6.7880E-05  19.00       10.82       19.00       10.82             V-C  1.1045E+04  -1.000      0.000       1.000       1.000
10.82       0.000      0.000     Strato1_2_8_L_0
   7 D   2.566     6.7526E-05  22.80       12.83       22.80       12.83             V-C  1.1045E+04  -1.200      0.000       1.000       1.000
12.83       0.000      0.000     Strato1_2_8_L_0
   8 D   2.968     6.7181E-05  26.60       14.84       26.60       14.84             V-C  1.1045E+04  -1.400      0.000       1.000       1.000
14.84       0.000      0.000     Strato1_2_8_L_0
   9 D   3.370     6.6844E-05  30.40       16.85       30.40       16.85             V-C  1.1045E+04  -1.600      0.000       1.000       1.000
16.85       0.000      0.000     Strato1_2_8_L_0
  10 D   3.772     6.6515E-05  34.20       18.86       34.20       18.86             V-C  1.1045E+04  -1.800      0.000       1.000       1.000
18.86       0.000      0.000     Strato1_2_8_L_0
  11 D   4.174     6.6192E-05  38.00       20.87       38.00       20.87             V-C  1.1045E+04  -2.000      0.000       1.000       1.000
20.87       0.000      0.000     Strato1_2_8_L_0
  12 D   4.576     6.5873E-05  41.80       22.88       41.80       22.88             V-C  1.1045E+04  -2.200      0.000       1.000       1.000
22.88       0.000      0.000     Strato1_2_8_L_0
  13 D   4.978     6.5557E-05  45.60       24.89       45.60       24.89             V-C  1.1045E+04  -2.400      0.000       1.000       1.000
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24.89	0.000	0.000	Strato1_2_8_L_0									
14 D	5.381	6.5239E-05	49.40	26.90	49.40	26.90	V-C	1.1045E+04	-2.600	0.000	1.000	1.000
26.90	0.000	0.000	Strato1_2_8_L_0									
15 D	5.783	6.4917E-05	53.20	28.91	53.20	28.91	V-C	1.1045E+04	-2.800	0.000	1.000	1.000
28.91	0.000	0.000	Strato1_2_8_L_0									
16 D	6.185	6.4588E-05	57.00	30.92	57.00	30.92	V-C	1.1045E+04	-3.000	0.000	1.000	1.000
30.92	0.000	0.000	Strato1_2_8_L_0									
17 D	6.587	6.4247E-05	60.80	32.93	60.80	32.93	V-C	1.1045E+04	-3.200	0.000	1.000	1.000
32.93	0.000	0.000	Strato1_2_8_L_0									
18 D	6.989	6.3891E-05	64.60	34.94	64.60	34.94	V-C	1.1045E+04	-3.400	0.000	1.000	1.000
34.94	0.000	0.000	Strato1_2_8_L_0									
19 D	7.391	6.3516E-05	68.40	36.95	68.40	36.95	V-C	1.1045E+04	-3.600	0.000	1.000	1.000
36.95	0.000	0.000	Strato1_2_8_L_0									
20 D	7.793	6.3117E-05	72.20	38.96	72.20	38.96	V-C	1.1045E+04	-3.800	0.000	1.000	1.000
38.96	0.000	0.000	Strato1_2_8_L_0									
21 D	8.194	6.2689E-05	76.00	40.97	76.00	40.97	V-C	1.1045E+04	-4.000	0.000	1.000	1.000
40.97	0.000	0.000	Strato1_2_8_L_0									
22 D	8.596	6.2228E-05	79.80	42.98	79.80	42.98	V-C	1.1045E+04	-4.200	0.000	1.000	1.000
42.98	0.000	0.000	Strato1_2_8_L_0									
23 D	8.998	6.1729E-05	83.60	44.99	83.60	44.99	V-C	1.1045E+04	-4.400	0.000	1.000	1.000
44.99	0.000	0.000	Strato1_2_8_L_0									
24 D	9.400	6.1187E-05	87.40	47.00	87.40	47.00	V-C	1.1045E+04	-4.600	0.000	1.000	1.000
47.00	0.000	0.000	Strato1_2_8_L_0									
25 D	9.801	6.0598E-05	91.20	49.00	91.20	49.01	UL-RL	3.3134E+04	-4.800	0.000	1.000	1.000
49.00	0.000	0.000	Strato1_2_8_L_0									
26 D	10.20	5.9958E-05	95.00	51.01	95.00	51.01	UL-RL	3.3134E+04	-5.000	0.000	1.000	1.000
51.01	0.000	0.000	Strato1_2_8_L_0									
27 D	10.60	5.9262E-05	98.80	53.02	98.80	53.02	UL-RL	3.3134E+04	-5.200	0.000	1.000	1.000
53.02	0.000	0.000	Strato1_2_8_L_0									
28 D	11.00	5.8507E-05	102.6	55.02	102.6	55.03	UL-RL	3.3134E+04	-5.400	0.000	1.000	1.000
55.02	0.000	0.000	Strato1_2_8_L_0									
29 D	11.41	5.7689E-05	106.4	57.03	106.4	57.03	UL-RL	3.3134E+04	-5.600	0.000	1.000	1.000
57.03	0.000	0.000	Strato1_2_8_L_0									
30 D	11.81	5.6805E-05	110.2	59.03	110.2	59.04	UL-RL	3.3134E+04	-5.800	0.000	1.000	1.000
59.03	0.000	0.000	Strato1_2_8_L_0									
31 D	12.21	5.5853E-05	114.0	61.03	114.0	61.04	UL-RL	3.3134E+04	-6.000	0.000	1.000	1.000
61.03	0.000	0.000	Strato1_2_8_L_0									
32 D	12.61	5.4829E-05	117.8	63.03	117.8	63.04	UL-RL	3.3134E+04	-6.200	0.000	1.000	1.000
63.03	0.000	0.000	Strato1_2_8_L_0									
33 D	13.01	5.3735E-05	121.6	65.04	121.6	65.04	UL-RL	3.3134E+04	-6.400	0.000	1.000	1.000
65.04	0.000	0.000	Strato1_2_8_L_0									
34 D	13.41	5.2568E-05	125.4	67.04	125.4	67.04	UL-RL	3.3134E+04	-6.600	0.000	1.000	1.000
67.04	0.000	0.000	Strato1_2_8_L_0									
35 D	13.81	5.1330E-05	129.2	69.04	129.2	69.05	UL-RL	3.3134E+04	-6.800	0.000	1.000	1.000
69.04	0.000	0.000	Strato1_2_8_L_0									
36 D	14.21	5.0023E-05	133.0	71.04	133.0	71.04	UL-RL	3.3134E+04	-7.000	0.000	1.000	1.000
71.04	0.000	0.000	Strato1_2_8_L_0									
37 D	14.61	4.8649E-05	136.8	73.04	136.8	73.04	UL-RL	3.3134E+04	-7.200	0.000	1.000	1.000
73.04	0.000	0.000	Strato1_2_8_L_0									
38 D	15.01	4.7214E-05	140.6	75.04	140.6	75.04	UL-RL	3.3134E+04	-7.400	0.000	1.000	1.000
75.04	0.000	0.000	Strato1_2_8_L_0									
39 D	15.41	4.5722E-05	144.4	77.03	144.4	77.04	UL-RL	3.3134E+04	-7.600	0.000	1.000	1.000
77.03	0.000	0.000	Strato1_2_8_L_0									
40 D	15.81	4.4182E-05	148.2	79.03	148.2	79.04	UL-RL	3.3134E+04	-7.800	0.000	1.000	1.000
79.03	0.000	0.000	Strato1_2_8_L_0									
41 D	16.21	4.2603E-05	152.0	81.03	152.0	81.03	UL-RL	3.3134E+04	-8.000	0.000	1.000	1.000
81.03	0.000	0.000	Strato1_2_8_L_0									
42 D	16.60	4.0997E-05	155.8	83.02	155.8	83.03	UL-RL	3.3134E+04	-8.200	0.000	1.000	1.000
83.02	0.000	0.000	Strato1_2_8_L_0									
43 D	17.00	3.9378E-05	159.6	85.02	159.6	85.02	UL-RL	3.3134E+04	-8.400	0.000	1.000	1.000
85.02	0.000	0.000	Strato1_2_8_L_0									
44 D	17.40	3.7762E-05	163.4	87.02	163.4	87.02	UL-RL	3.3134E+04	-8.600	0.000	1.000	1.000
87.02	0.000	0.000	Strato1_2_8_L_0									
45 D	16.91	3.6169E-05	167.3	84.53	167.3	84.54	UL-RL	7.3205E+04	-8.800	0.000	1.000	1.000
84.53	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.30	3.4617E-05	171.3	86.49	171.3	86.50	UL-RL	7.3205E+04	-9.000	0.000	1.000	1.000
86.49	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.69	3.3126E-05	175.3	88.45	175.3	88.46	UL-RL	7.3205E+04	-9.200	0.000	1.000	1.000
88.45	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.08	3.1708E-05	179.3	90.42	179.3	90.43	UL-RL	7.3205E+04	-9.400	0.000	1.000	1.000
90.42	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.48	3.0373E-05	183.3	92.39	183.3	92.39	UL-RL	7.3205E+04	-9.600	0.000	1.000	1.000
92.39	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.87	2.9128E-05	187.3	94.36	187.3	94.36	UL-RL	7.3205E+04	-9.800	0.000	1.000	1.000
94.36	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.27	2.7977E-05	191.3	96.33	191.3	96.33	UL-RL	7.3205E+04	-10.00	0.000	1.000	1.000
96.33	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.66	2.6923E-05	195.3	98.31	195.3	98.31	UL-RL	7.3205E+04	-10.20	0.000	1.000	1.000
98.31	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.06	2.5966E-05	199.3	100.3	199.3	100.3	UL-RL	7.3205E+04	-10.40	0.000	1.000	1.000
100.3	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.45	2.5104E-05	203.3	102.3	203.3	102.3	UL-RL	7.3205E+04	-10.60	0.000	1.000	1.000
102.3	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.85	2.4334E-05	207.3	104.2	207.3	104.2	UL-RL	7.3205E+04	-10.80	0.000	1.000	1.000
104.2	0.000	0.000	Strato2_3095_82743_L_0									

56 D	21.25	2.3654E-05	211.3	106.2	211.3	106.2	UL-RL	7.3205E+04	-11.00	0.000	1.000	1.000
106.2	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.64	2.3058E-05	215.3	108.2	215.3	108.2	UL-RL	7.3205E+04	-11.20	0.000	1.000	1.000
108.2	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.04	2.2541E-05	219.3	110.2	219.3	110.2	UL-RL	7.3205E+04	-11.40	0.000	1.000	1.000
110.2	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.44	2.2099E-05	223.3	112.2	223.3	112.2	V-C	2.4402E+04	-11.60	0.000	1.000	1.000
112.2	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.84	2.1725E-05	227.3	114.2	227.3	114.2	V-C	2.4402E+04	-11.80	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.23	2.1413E-05	231.3	116.2	231.3	116.2	V-C	2.4402E+04	-12.00	0.000	1.000	1.000
116.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.63	2.1158E-05	235.3	118.2	235.3	118.2	V-C	2.4402E+04	-12.20	0.000	1.000	1.000
118.2	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.03	2.0954E-05	239.3	120.2	239.3	120.2	V-C	2.4402E+04	-12.40	0.000	1.000	1.000
120.2	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.43	2.0795E-05	243.3	122.2	243.3	122.2	V-C	2.4402E+04	-12.60	0.000	1.000	1.000
122.2	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.83	2.0676E-05	247.3	124.2	247.3	124.2	V-C	2.4402E+04	-12.80	0.000	1.000	1.000
124.2	0.000	0.000	Strato2_3095_82743_L_0									
66 D	25.23	2.0593E-05	251.3	126.2	251.3	126.2	V-C	2.4402E+04	-13.00	0.000	1.000	1.000
126.2	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.63	2.0539E-05	255.3	128.2	255.3	128.2	V-C	2.4402E+04	-13.20	0.000	1.000	1.000
128.2	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.03	2.0512E-05	259.3	130.2	259.3	130.2	V-C	2.4402E+04	-13.40	0.000	1.000	1.000
130.2	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.43	2.0506E-05	263.3	132.2	263.3	132.2	UL-RL	7.3205E+04	-13.60	0.000	1.000	1.000
132.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.83	2.0518E-05	267.3	134.2	267.3	134.2	UL-RL	7.3205E+04	-13.80	0.000	1.000	1.000
134.2	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.23	2.0545E-05	271.3	136.2	271.3	136.2	UL-RL	7.3205E+04	-14.00	0.000	1.000	1.000
136.2	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.63	2.0585E-05	275.3	138.2	275.3	138.2	UL-RL	7.3205E+04	-14.20	0.000	1.000	1.000
138.2	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.03	2.0633E-05	279.3	140.2	279.3	140.2	UL-RL	7.3205E+04	-14.40	0.000	1.000	1.000
140.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.43	2.0689E-05	283.3	142.2	283.3	142.2	UL-RL	7.3205E+04	-14.60	0.000	1.000	1.000
142.2	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.83	2.0751E-05	287.3	144.2	287.3	144.2	UL-RL	7.3205E+04	-14.80	0.000	1.000	1.000
144.2	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.23	2.0816E-05	291.3	146.2	291.3	146.2	UL-RL	7.3205E+04	-15.00	0.000	1.000	1.000
146.2	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.63	2.0884E-05	295.3	148.2	295.3	148.2	UL-RL	7.3205E+04	-15.20	0.000	1.000	1.000
148.2	0.000	0.000	Strato2_3095_82743_L_0									
78 D	30.03	2.0953E-05	299.3	150.2	299.3	150.2	UL-RL	7.3205E+04	-15.40	0.000	1.000	1.000
150.2	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.43	2.1024E-05	303.3	152.2	303.3	152.2	UL-RL	7.3205E+04	-15.60	0.000	1.000	1.000
152.2	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.83	2.1094E-05	307.3	154.2	307.3	154.2	UL-RL	7.3205E+04	-15.80	0.000	1.000	1.000
154.2	0.000	0.000	Strato2_3095_82743_L_0									
81 D	15.62	2.1165E-05	311.3	156.2	311.3	156.2	UL-RL	7.3205E+04	-16.00	0.000	1.000	1.000
156.2	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
 |                                   Exe Time :29 July 2019      18:01:10                                                  |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T    T I M E    I S      2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -----------------------------------------------------
     1 0.30400    -0.30400    -4.06009E-13 6.08000E-02
     2 0.30481    -0.30481    -6.08000E-02 0.12176
     3 0.19435    -0.19435    -0.12176     0.16063
     4 0.10204    -0.10204    -0.16063     0.18104
     5 3.70581E-02-3.70581E-02-0.18104     0.18845
     6-9.30527E-03 9.30527E-03-0.18845     0.18659
     7-4.16896E-02 4.16896E-02-0.18659     0.17825
     8-6.28804E-02 6.28804E-02-0.17825     0.16568
     9-0.14570     0.14570     -0.16568     0.13654
    10-0.21250     0.21250     -0.13654     9.40374E-02
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   11-0.26577     0.26577    -9.40374E-02 4.08827E-02
   12-0.30731     0.30731    -4.08827E-02-2.05800E-02
   13-0.33846     0.33846     2.05800E-02-8.82728E-02
   14-0.36023     0.36023     8.82728E-02-0.16032
   15-0.37337     0.37337     0.16032    -0.23499
   16-0.41770     0.41770     0.23499    -0.31853
   17-0.45180     0.45180     0.31853    -0.40889
   18-0.47623     0.47623     0.40889    -0.50414
   19-0.49138     0.49138     0.50414    -0.60241
   20-0.49748     0.49748     0.60241    -0.70191
   21-0.49464     0.49464     0.70191    -0.80084
   22-0.48284     0.48284     0.80084    -0.89741
   23-0.46196     0.46196     0.89741    -0.98980
   24-0.45769     0.45769     0.98980     -1.0813
   25-0.44247     0.44247      1.0813     -1.1698
   26-0.41601     0.41601      1.1698     -1.2530
   27-0.37799     0.37799      1.2530     -1.3286
   28-0.32798     0.32798      1.3286     -1.3942
   29-0.26547     0.26547      1.3942     -1.4473
   30-0.18992     0.18992      1.4473     -1.4853
   31-0.12072     0.12072      1.4853     -1.5094
   32-3.65247E-02 3.65247E-02  1.5094     -1.5168
   33 6.32929E-02-6.32929E-02  1.5168     -1.5041
   34 0.17940    -0.17940      1.5041     -1.4682
   35 0.31246    -0.31246      1.4682     -1.4057
   36 0.46314    -0.46314      1.4057     -1.3131
   37 0.63208    -0.63208      1.3131     -1.1867
   38 0.81990    -0.81990      1.1867     -1.0227
   39  1.0113     -1.0113      1.0227    -0.82044
   40  1.2230     -1.2230     0.82044    -0.57585
   41  1.4553     -1.4553     0.57585    -0.28478
   42  1.7085     -1.7085     0.28478     5.69165E-02
   43  1.9826     -1.9826    -5.69165E-02 0.45344
   44  2.2775     -2.2775    -0.45344     0.90893
   45  1.8231     -1.8231    -0.90893      1.2736
   46  1.4071     -1.4071     -1.2736      1.5550
   47  1.0403     -1.0403     -1.5550      1.7630
   48 0.72035    -0.72035     -1.7630      1.9071
   49 0.44453    -0.44453     -1.9071      1.9960
   50 0.20989    -0.20989     -1.9960      2.0380
   51 1.33759E-02-1.33759E-02 -2.0380      2.0407
   52-0.14815     0.14815     -2.0407      2.0110
   53-0.27781     0.27781     -2.0110      1.9555
   54-0.38945     0.38945     -1.9555      1.8776
   55-0.47511     0.47511     -1.8776      1.7826
   56-0.53767     0.53767     -1.7826      1.6750
   57-0.57987     0.57987     -1.6750      1.5591
   58-0.60429     0.60429     -1.5591      1.4382
   59-0.61333     0.61333     -1.4382      1.3155
   60-0.60921     0.60921     -1.3155      1.1937
   61-0.60342     0.60342     -1.1937      1.0730
   62-0.58817     0.58817     -1.0730     0.95537
   63-0.56512     0.56512    -0.95537     0.84235
   64-0.53576     0.53576    -0.84235     0.73519
   65-0.50141     0.50141    -0.73519     0.63491
   66-0.46323     0.46323    -0.63491     0.54227
   67-0.42221     0.42221    -0.54227     0.45783
   68-0.37920     0.37920    -0.45783     0.38199
   69-0.34336     0.34336    -0.38199     0.31331
   70-0.30675     0.30675    -0.31331     0.25196
   71-0.26988     0.26988    -0.25196     0.19799
   72-0.23317     0.23317    -0.19799     0.15135
   73-0.19695     0.19695    -0.15135     0.11196
   74-0.16148     0.16148    -0.11196     7.96645E-02
   75-0.12697     0.12697    -7.96645E-02 5.42708E-02
   76-0.10119     0.10119    -5.42708E-02 3.40326E-02
   77-7.65184E-02 7.65184E-02-3.40326E-02 1.87289E-02
   78-5.30315E-02 5.30315E-02-1.87289E-02 8.12258E-03
   79-3.07872E-02 3.07872E-02-8.12258E-03 1.96513E-03
   80-9.82514E-03 9.82514E-03-1.96513E-03-1.61458E-13



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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                     |
|                                   Exe Time :29 July 2019      18:01:10                                                |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4
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Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM= 949.2     REMNOR=0.1522E-22 RATIO =0.1448     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.1448     RATIOR= 0.000
           MAX UN= 7.391     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.8973E-11 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM= 84.29     REMNOR=0.8051E-20 RATIO =0.4316E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.4316E-01 RATIOR= 0.000
           MAX UN= 3.962     IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.5559E-03 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM= 64.09     REMNOR=0.4465E-19 RATIO =0.3764E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.3764E-01 RATIOR= 0.000
           MAX UN= 4.635     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.1937E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM= 6.552     REMNOR=0.5913E-19 RATIO =0.1203E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.1203E-01 RATIOR= 0.000
           MAX UN= 2.045     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1291E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4524E+05 RIMNOR= 172.5
           RENORM=0.6977E-17 REMNOR=0.2564E-19 RATIO =0.1242E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.85     RMMAX = 2.041
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4524E+05 RDR   = 172.5
           RATIOT=0.1242E-10 RATIOR= 0.000
           MAX UN=0.9474E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.8994E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




+-------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*     |
|                                                                                                             |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                             |
|                                  Exe Time :29 July 2019      18:01:10                                       |
+-------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )
```

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	5.7990062E-03	-8.7842718E-04	
2	5.6233212E-03	-8.7841996E-04	
3	5.4476401E-03	-8.7838509E-04	
4	5.2719713E-03	-8.7828922E-04	
5	5.0963315E-03	-8.7808606E-04	
6	4.9207479E-03	-8.7771742E-04	
7	4.7452602E-03	-8.7711368E-04	
8	4.5699235E-03	-8.7619389E-04	
9	4.3948099E-03	-8.7486591E-04	
10	4.2200111E-03	-8.7302741E-04	
11	4.0456405E-03	-8.7056584E-04	
12	3.8718346E-03	-8.6735738E-04	
13	3.6987563E-03	-8.6326698E-04	
14	3.5265964E-03	-8.5814843E-04	
15	3.3555760E-03	-8.5184440E-04	
16	3.1859489E-03	-8.4418643E-04	
17	3.0180036E-03	-8.3499548E-04	
18	2.8520655E-03	-8.2408199E-04	
19	2.6884990E-03	-8.1124521E-04	
20	2.5277098E-03	-7.9627332E-04	
21	2.3701444E-03	-7.7897985E-04	
22	2.2162785E-03	-7.5927659E-04	
23	2.0665914E-03	-7.3721011E-04	
24	1.9215406E-03	-7.1296186E-04	
25	1.7815359E-03	-6.8678525E-04	
26	1.6469377E-03	-6.5893990E-04	
27	1.5180538E-03	-6.2968709E-04	
28	1.3951392E-03	-5.9929012E-04	
29	1.2783969E-03	-5.6801482E-04	
30	1.1679745E-03	-5.3612910E-04	
31	1.0639681E-03	-5.0390027E-04	
32	9.6642048E-04	-4.7158077E-04	
33	8.7532662E-04	-4.3939873E-04	
34	7.9063816E-04	-4.0755904E-04	
35	7.1226835E-04	-3.7624504E-04	
36	6.4009465E-04	-3.4561942E-04	
37	5.7396506E-04	-3.1582665E-04	
38	5.1370000E-04	-2.8699385E-04	
39	4.5909610E-04	-2.5923229E-04	
40	4.0992941E-04	-2.3263935E-04	
41	3.6595708E-04	-2.0729929E-04	
42	3.2692132E-04	-1.8328491E-04	
43	2.9255060E-04	-1.6065827E-04	
44	2.6256199E-04	-1.3947194E-04	
45	2.3666298E-04	-1.1977025E-04	
46	2.1455360E-04	-1.0157492E-04	
47	1.9593297E-04	-8.4880234E-05	
48	1.8050302E-04	-6.9662871E-05	
49	1.6797188E-04	-5.5884522E-05	
50	1.5805669E-04	-4.3494594E-05	
51	1.5048559E-04	-3.2432350E-05	
52	1.4499989E-04	-2.2629617E-05	
53	1.4135487E-04	-1.4011706E-05	
54	1.3932143E-04	-6.5003710E-06	
55	1.3868634E-04	-1.4774714E-08	
56	1.3925260E-04	5.5269783E-06	
57	1.4083967E-04	1.0206949E-05	
58	1.4328334E-04	1.4106375E-05	
59	1.4643549E-04	1.7304826E-05	
60	1.5016369E-04	1.9879501E-05	
61	1.5435066E-04	2.1904645E-05	
62	1.5889362E-04	2.3450851E-05	
63	1.6370351E-04	2.4584687E-05	
64	1.6870417E-04	2.5368634E-05	
65	1.7383151E-04	2.5860872E-05	
66	1.7903265E-04	2.6115120E-05	
67	1.8426497E-04	2.6180537E-05	
68	1.8949525E-04	2.6101667E-05	
69	1.9469868E-04	2.5918409E-05	
70	1.9985799E-04	2.5665827E-05	
71	2.0496241E-04	2.5374174E-05	
72	2.1000676E-04	2.5069134E-05	
73	2.1499058E-04	2.4771870E-05	
74	2.1991714E-04	2.4499069E-05	
75	2.2479265E-04	2.4262998E-05	
76	2.2962532E-04	2.4071547E-05	
77	2.3442447E-04	2.3928092E-05	
78	2.3919968E-04	2.3831531E-05	
79	2.4395985E-04	2.3776500E-05	
80	2.4871241E-04	2.3753383E-05	

81 2.5346265E-04 2.3748337E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:01:10

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-5.7990E-03	10.00	3.040	10.00	5.300	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.5569	-5.6233E-03	9.159	2.784	9.159	4.854	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	2.784	0.000	0.000	Strato1_2_8_L_0
3 D	0.8475	-5.4476E-03	13.94	4.238	13.94	7.388	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.238	0.000	0.000	Strato1_2_8_L_0
4 D	1.103	-5.2720E-03	18.14	5.515	18.14	9.614	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	5.515	0.000	0.000	Strato1_2_8_L_0
5 D	1.347	-5.0963E-03	22.16	6.736	22.16	11.74	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	6.736	0.000	0.000	Strato1_2_8_L_0
6 D	1.586	-4.9207E-03	26.09	7.932	26.09	13.83	ACTIVE	0.000	-1.000	0.000	1.000	1.000	7.932	0.000	0.000	Strato1_2_8_L_0
7 D	1.823	-4.7453E-03	29.98	9.115	29.98	15.89	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.115	0.000	0.000	Strato1_2_8_L_0
8 D	2.058	-4.5699E-03	33.85	10.29	33.85	17.94	ACTIVE	0.000	-1.400	0.000	1.000	1.000	10.29	0.000	0.000	Strato1_2_8_L_0
9 D	2.252	-4.3948E-03	37.03	11.26	37.03	19.63	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
10 D	2.490	-4.2200E-03	40.95	12.45	40.95	21.70	ACTIVE	0.000	-1.800	0.000	1.000	1.000	12.45	0.000	0.000	Strato1_2_8_L_0
11 D	2.726	-4.0456E-03	44.84	13.63	44.84	23.77	ACTIVE	0.000	-2.000	0.000	1.000	1.000	13.63	0.000	0.000	Strato1_2_8_L_0
12 D	2.962	-3.8718E-03	48.72	14.81	48.72	25.82	ACTIVE	0.000	-2.200	0.000	1.000	1.000	14.81	0.000	0.000	Strato1_2_8_L_0
13 D	3.197	-3.6988E-03	52.58	15.98	52.58	27.87	ACTIVE	0.000	-2.400	0.000	1.000	1.000	15.98	0.000	0.000	Strato1_2_8_L_0
14 D	3.431	-3.5266E-03	56.43	17.16	56.43	29.91	ACTIVE	0.000	-2.600	0.000	1.000	1.000	17.16	0.000	0.000	Strato1_2_8_L_0
15 D	3.665	-3.3556E-03	60.28	18.32	60.28	31.95	ACTIVE	0.000	-2.800	0.000	1.000	1.000	18.32	0.000	0.000	Strato1_2_8_L_0
16 D	3.876	-3.1859E-03	63.75	19.38	63.75	33.79	ACTIVE	0.000	-3.000	0.000	1.000	1.000	19.38	0.000	0.000	Strato1_2_8_L_0
17 D	4.110	-3.0180E-03	67.61	20.55	67.61	35.83	ACTIVE	0.000	-3.200	0.000	1.000	1.000	20.55	0.000	0.000	Strato1_2_8_L_0
18 D	4.345	-2.8521E-03	71.46	21.72	71.46	37.87	ACTIVE	0.000	-3.400	0.000	1.000	1.000	21.72	0.000	0.000	Strato1_2_8_L_0
19 D	4.578	-2.6885E-03	75.30	22.89	75.30	39.91	ACTIVE	0.000	-3.600	0.000	1.000	1.000	22.89	0.000	0.000	Strato1_2_8_L_0
20 D	4.812	-2.5277E-03	79.14	24.06	79.14	41.95	ACTIVE	0.000	-3.800	0.000	1.000	1.000	24.06	0.000	0.000	Strato1_2_8_L_0
21 D	5.045	-2.3701E-03	82.98	25.23	82.98	43.98	ACTIVE	0.000	-4.000	0.000	1.000	1.000	25.23	0.000	0.000	Strato1_2_8_L_0
22 D	5.278	-2.2163E-03	86.81	26.39	86.81	46.01	ACTIVE	0.000	-4.200	0.000	1.000	1.000	26.39	0.000	0.000	Strato1_2_8_L_0
23 D	5.511	-2.0666E-03	90.64	27.56	90.64	48.04	ACTIVE	0.000	-4.400	0.000	1.000	1.000	27.56	0.000	0.000	Strato1_2_8_L_0
24 D	5.729	-1.9215E-03	94.23	28.65	94.23	49.94	ACTIVE	0.000	-4.600	0.000	1.000	1.000	28.65	0.000	0.000	Strato1_2_8_L_0
25 D	5.962	-1.7815E-03	98.06	29.81	98.06	51.97	ACTIVE	0.000	-4.800	0.000	1.000	1.000	29.81	0.000	0.000	Strato1_2_8_L_0
26 D	6.195	-1.6469E-03	101.9	30.98	101.9	54.01	ACTIVE	0.000	-5.000	0.000	1.000	1.000	30.98	0.000	0.000	Strato1_2_8_L_0
27 D	6.428	-1.5181E-03	105.7	32.14	105.7	56.04	ACTIVE	0.000	-5.200	0.000	1.000	1.000	32.14	0.000	0.000	Strato1_2_8_L_0
28 D	6.661	-1.3951E-03	109.6	33.30	109.6	58.06	ACTIVE	0.000	-5.400	0.000	1.000	1.000	33.30	0.000	0.000	Strato1_2_8_L_0
29 D	6.894	-1.2784E-03	113.4	34.47	113.4	60.09	ACTIVE	0.000	-5.600	0.000	1.000	1.000				

34.47	0.000	0.000	Strato1_2_8_L_0									
30 D	7.293	-1.1680E-03	117.2	36.46	117.2	62.12	UL-RL	2.0647E+04	-5.800	0.000	1.000	1.000
36.46	0.000	0.000	Strato1_2_8_L_0									
31 D	8.113	-1.0640E-03	120.8	40.56	120.8	64.05	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
40.56	0.000	0.000	Strato1_2_8_L_0									
32 D	8.927	-9.6642E-04	124.7	44.63	124.7	66.07	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
44.63	0.000	0.000	Strato1_2_8_L_0									
33 D	9.714	-8.7533E-04	128.5	48.57	128.5	68.10	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
48.57	0.000	0.000	Strato1_2_8_L_0									
34 D	10.48	-7.9064E-04	132.3	52.38	132.3	70.13	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
52.38	0.000	0.000	Strato1_2_8_L_0									
35 D	11.21	-7.1227E-04	136.1	56.06	136.1	72.15	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
56.06	0.000	0.000	Strato1_2_8_L_0									
36 D	11.92	-6.4009E-04	140.0	59.61	140.0	74.18	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
59.61	0.000	0.000	Strato1_2_8_L_0									
37 D	12.61	-5.7397E-04	143.8	63.04	143.8	76.20	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
63.04	0.000	0.000	Strato1_2_8_L_0									
38 D	13.27	-5.1370E-04	147.6	66.34	147.6	78.23	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
66.34	0.000	0.000	Strato1_2_8_L_0									
39 D	13.89	-4.5910E-04	151.3	69.45	151.3	80.17	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
69.45	0.000	0.000	Strato1_2_8_L_0									
40 D	14.51	-4.0993E-04	155.1	72.54	155.1	82.20	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
72.54	0.000	0.000	Strato1_2_8_L_0									
41 D	15.10	-3.6596E-04	158.9	75.51	158.9	84.22	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
75.51	0.000	0.000	Strato1_2_8_L_0									
42 D	15.68	-3.2692E-04	162.7	78.39	162.7	86.25	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
78.39	0.000	0.000	Strato1_2_8_L_0									
43 D	16.23	-2.9255E-04	166.5	81.16	166.5	88.27	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
81.16	0.000	0.000	Strato1_2_8_L_0									
44 D	16.77	-2.6256E-04	170.4	83.85	170.4	90.29	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
83.85	0.000	0.000	Strato1_2_8_L_0									
45 D	14.11	-2.3666E-04	174.3	70.55	174.3	87.14	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
70.55	0.000	0.000	Strato2_3095_82743_L_0									
46 D	14.78	-2.1455E-04	178.2	73.90	178.2	89.09	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
73.90	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.42	-1.9593E-04	182.2	77.11	182.2	91.09	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
77.11	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.03	-1.8050E-04	186.2	80.13	186.2	93.10	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
80.13	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.59	-1.6797E-04	190.2	82.97	190.2	95.11	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
82.97	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.13	-1.5806E-04	194.2	85.65	194.2	97.12	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.65	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.64	-1.5049E-04	198.3	88.19	198.3	99.13	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
88.19	0.000	0.000	Strato2_3095_82743_L_0									
52 D	18.12	-1.4500E-04	202.3	90.60	202.3	101.1	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
90.60	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.58	-1.4135E-04	206.3	92.89	206.3	103.1	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
92.89	0.000	0.000	Strato2_3095_82743_L_0									
54 D	19.01	-1.3932E-04	210.2	95.03	210.2	105.1	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
95.03	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.43	-1.3869E-04	214.2	97.14	214.2	107.1	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
97.14	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.83	-1.3925E-04	218.2	99.16	218.2	109.1	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
99.16	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.22	-1.4084E-04	222.2	101.1	222.2	111.1	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
101.1	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.61	-1.4328E-04	226.2	103.0	226.2	113.1	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
103.0	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.98	-1.4644E-04	230.3	104.9	230.3	115.1	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
104.9	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.34	-1.5016E-04	234.3	106.7	234.3	117.1	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
106.7	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.69	-1.5435E-04	238.2	108.4	238.2	119.1	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
108.4	0.000	0.000	Strato2_3095_82743_L_0									
62 D	22.04	-1.5889E-04	242.2	110.2	242.2	121.1	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
110.2	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.39	-1.6370E-04	246.2	111.9	246.2	123.1	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.73	-1.6870E-04	250.2	113.7	250.2	125.1	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.08	-1.7383E-04	254.2	115.4	254.2	127.1	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000
115.4	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.42	-1.7903E-04	258.2	117.1	258.2	129.1	UL-RL	5.8408E+04	-13.00	0.000	1.000	1.000
117.1	0.000	0.000	Strato2_3095_82743_L_0									
67 D	23.76	-1.8426E-04	262.3	118.8	262.3	131.1	UL-RL	5.8408E+04	-13.20	0.000	1.000	1.000
118.8	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.10	-1.8950E-04	266.3	120.5	266.3	133.1	UL-RL	5.8408E+04	-13.40	0.000	1.000	1.000
120.5	0.000	0.000	Strato2_3095_82743_L_0									
69 D	24.43	-1.9470E-04	270.2	122.2	270.2	135.1	UL-RL	5.8408E+04	-13.60	0.000	1.000	1.000
122.2	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.77	-1.9986E-04	274.2	123.9	274.2	137.1	UL-RL	5.8408E+04	-13.80	0.000	1.000	1.000
123.9	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.11	-2.0496E-04	278.2	125.6	278.2	139.1	UL-RL	5.8408E+04	-14.00	0.000	1.000	1.000
125.6	0.000	0.000	Strato2_3095_82743_L_0									

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  72 D   25.45     -2.1001E-04   282.2        127.3        282.2        141.1             UL-RL  5.8408E+04  -14.20        0.000         1.000         1.000
127.3       0.000        0.000     Strato2_3095_82743_L_0
  73 D   25.80     -2.1499E-04   286.2        129.0        286.2        143.1             UL-RL  5.8408E+04  -14.40        0.000         1.000         1.000
129.0       0.000        0.000     Strato2_3095_82743_L_0
  74 D   26.14     -2.1992E-04   290.3        130.7        290.3        145.1             UL-RL  5.8408E+04  -14.60        0.000         1.000         1.000
130.7       0.000        0.000     Strato2_3095_82743_L_0
  75 D   26.48     -2.2479E-04   294.3        132.4        294.3        147.1             UL-RL  5.8408E+04  -14.80        0.000         1.000         1.000
132.4       0.000        0.000     Strato2_3095_82743_L_0
  76 D   26.82     -2.2963E-04   298.2        134.1        298.2        149.1             UL-RL  5.8408E+04  -15.00        0.000         1.000         1.000
134.1       0.000        0.000     Strato2_3095_82743_L_0
  77 D   27.16     -2.3442E-04   302.2        135.8        302.2        151.1             UL-RL  5.8408E+04  -15.20        0.000         1.000         1.000
135.8       0.000        0.000     Strato2_3095_82743_L_0
  78 D   27.51     -2.3920E-04   306.2        137.5        306.2        153.1             UL-RL  5.8408E+04  -15.40        0.000         1.000         1.000
137.5       0.000        0.000     Strato2_3095_82743_L_0
  79 D   27.85     -2.4396E-04   310.2        139.3        310.2        155.1             UL-RL  5.8408E+04  -15.60        0.000         1.000         1.000
139.3       0.000        0.000     Strato2_3095_82743_L_0
  80 D   28.19     -2.4871E-04   314.2        141.0        314.2        157.1             UL-RL  5.8408E+04  -15.80        0.000         1.000         1.000
141.0       0.000        0.000     Strato2_3095_82743_L_0
  81 D   14.27     -2.5346E-04   318.2        142.7        318.2        159.1             UL-RL  5.8408E+04  -16.00        0.000         1.000         1.000
142.7       0.000        0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)    NLS ENGINE RELEASE   2017.1     FULL VERSION   *Build date:Jul 11, 2017*              |
 |                                                                                                                            |
 |                                     NewProject.BaseDesignSection_28.SLERara_3454                                           |
 |                                  Exe Time :29 July 2019       18:01:10                                                     |
 +----------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                  :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S       3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P      MAX-H-P            STATE    STIFFNESS Z-LEVEL       PORE          E FACTOR      UFACTOR
Peq           Su_a         Su_p      LAYER
 -----------------------------------------------------------------------------------------------------------------------------------------------------------
-----------------------------------------------------------------------

   1     0.000        --          --           --           --           --            REMOVED     --         0.000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   2     0.000        --          --           --           --           --            REMOVED     --       -0.2000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   3     0.000        --          --           --           --           --            REMOVED     --       -0.4000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   4     0.000        --          --           --           --           --            REMOVED     --       -0.6000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   5     0.000        --          --           --           --           --            REMOVED     --       -0.8000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   6     0.000        --          --           --           --           --            REMOVED     --        -1.000       0.000         1.000         1.000
0.000       0.000        0.000     not available
   7     0.000        --          --           --           --           --            REMOVED     --        -1.200       0.000         1.000         1.000
0.000       0.000        0.000     not available
   8     0.000        --          --           --           --           --            REMOVED     --        -1.400       0.000         1.000         1.000
0.000       0.000        0.000     not available
   9     0.000        --          --           --           --           --            REMOVED     --        -1.600       0.000         1.000         1.000
0.000       0.000        0.000     not available
  10     0.000        --          --           --           --           --            REMOVED     --        -1.800       0.000         1.000         1.000
0.000       0.000        0.000     not available
  11     0.000        --          --           --           --           --            REMOVED     --        -2.000       0.000         1.000         1.000
0.000       0.000        0.000     not available
  12     0.000        --          --           --           --           --            REMOVED     --        -2.200       0.000         1.000         1.000
0.000       0.000        0.000     not available
  13     0.000        --          --           --           --           --            REMOVED     --        -2.400       0.000         1.000         1.000
0.000       0.000        0.000     not available
  14     0.000        --          --           --           --           --            REMOVED     --        -2.600       0.000         1.000         1.000
0.000       0.000        0.000     not available
  15     0.000        --          --           --           --           --            REMOVED     --        -2.800       0.000         1.000         1.000
0.000       0.000        0.000     not available
  16     0.000        --          --           --           --           --            REMOVED     --        -3.000       0.000         1.000         1.000
0.000       0.000        0.000     not available
  17     0.000        --          --           --           --           --            REMOVED     --        -3.200       0.000         1.000         1.000
0.000       0.000        0.000     not available
  18     0.000        --          --           --           --           --            REMOVED     --        -3.400       0.000         1.000         1.000
0.000       0.000        0.000     not available
  19     0.000        --          --           --           --           --            REMOVED     --        -3.600       0.000         1.000         1.000
0.000       0.000        0.000     not available
```

20 D	1.536	2.5277E-03	1.900	7.678	72.20	38.96	PASSIVE	0.000	-3.800	0.000	1.000	1.000	
7.678	0.000	0.000	Strato1_2_8_L_0										
21 D	4.607	2.3701E-03	5.700	23.03	76.00	40.97	PASSIVE	0.000	-4.000	0.000	1.000	1.000	
23.03	0.000	0.000	Strato1_2_8_L_0										
22 D	7.678	2.2163E-03	9.500	38.39	79.80	42.98	PASSIVE	0.000	-4.200	0.000	1.000	1.000	
38.39	0.000	0.000	Strato1_2_8_L_0										
23 D	10.75	2.0666E-03	13.30	53.75	83.60	53.75	PASSIVE	0.000	-4.400	0.000	1.000	1.000	
53.75	0.000	0.000	Strato1_2_8_L_0										
24 D	11.18	1.9215E-03	17.10	55.88	87.40	55.88	V-C	4776.	-4.600	0.000	1.000	1.000	
55.88	0.000	0.000	Strato1_2_8_L_0										
25 D	11.44	1.7815E-03	20.90	57.22	91.20	57.22	V-C	4776.	-4.800	0.000	1.000	1.000	
57.22	0.000	0.000	Strato1_2_8_L_0										
26 D	11.72	1.6469E-03	24.70	58.59	95.00	58.59	V-C	4776.	-5.000	0.000	1.000	1.000	
58.59	0.000	0.000	Strato1_2_8_L_0										
27 D	12.00	1.5181E-03	28.50	59.99	98.80	59.99	V-C	4776.	-5.200	0.000	1.000	1.000	
59.99	0.000	0.000	Strato1_2_8_L_0										
28 D	12.28	1.3951E-03	32.30	61.41	102.6	61.41	V-C	4776.	-5.400	0.000	1.000	1.000	
61.41	0.000	0.000	Strato1_2_8_L_0										
29 D	12.57	1.2784E-03	36.10	62.86	106.4	62.86	V-C	4776.	-5.600	0.000	1.000	1.000	
62.86	0.000	0.000	Strato1_2_8_L_0										
30 D	12.87	1.1680E-03	39.90	64.34	110.2	64.34	V-C	4776.	-5.800	0.000	1.000	1.000	
64.34	0.000	0.000	Strato1_2_8_L_0										
31 D	13.17	1.0640E-03	43.70	65.85	114.0	65.85	V-C	4776.	-6.000	0.000	1.000	1.000	
65.85	0.000	0.000	Strato1_2_8_L_0										
32 D	13.48	9.6642E-04	47.50	67.39	117.8	67.39	V-C	4776.	-6.200	0.000	1.000	1.000	
67.39	0.000	0.000	Strato1_2_8_L_0										
33 D	13.79	8.7533E-04	51.30	68.97	121.6	68.97	V-C	4776.	-6.400	0.000	1.000	1.000	
68.97	0.000	0.000	Strato1_2_8_L_0										
34 D	14.11	7.9064E-04	55.10	70.57	125.4	70.57	V-C	4776.	-6.600	0.000	1.000	1.000	
70.57	0.000	0.000	Strato1_2_8_L_0										
35 D	14.44	7.1227E-04	58.90	72.20	129.2	72.20	V-C	4776.	-6.800	0.000	1.000	1.000	
72.20	0.000	0.000	Strato1_2_8_L_0										
36 D	14.77	6.4009E-04	62.70	73.86	133.0	73.86	V-C	4776.	-7.000	0.000	1.000	1.000	
73.86	0.000	0.000	Strato1_2_8_L_0										
37 D	15.11	5.7397E-04	66.50	75.55	136.8	75.55	V-C	4776.	-7.200	0.000	1.000	1.000	
75.55	0.000	0.000	Strato1_2_8_L_0										
38 D	15.45	5.1370E-04	70.30	77.27	140.6	77.27	V-C	4776.	-7.400	0.000	1.000	1.000	
77.27	0.000	0.000	Strato1_2_8_L_0										
39 D	15.80	4.5910E-04	74.10	79.01	144.4	79.01	V-C	4776.	-7.600	0.000	1.000	1.000	
79.01	0.000	0.000	Strato1_2_8_L_0										
40 D	16.16	4.0993E-04	77.90	80.78	148.2	80.78	V-C	4776.	-7.800	0.000	1.000	1.000	
80.78	0.000	0.000	Strato1_2_8_L_0										
41 D	16.51	3.6596E-04	81.70	82.57	152.0	82.57	V-C	4776.	-8.000	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
42 D	16.88	3.2692E-04	85.50	84.39	155.8	84.39	V-C	4776.	-8.200	0.000	1.000	1.000	
84.39	0.000	0.000	Strato1_2_8_L_0										
43 D	17.25	2.9255E-04	89.30	86.23	159.6	86.23	V-C	4776.	-8.400	0.000	1.000	1.000	
86.23	0.000	0.000	Strato1_2_8_L_0										
44 D	17.62	2.6256E-04	93.10	88.09	163.4	88.09	V-C	4776.	-8.600	0.000	1.000	1.000	
88.09	0.000	0.000	Strato1_2_8_L_0										
45 D	14.18	2.3666E-04	97.00	70.92	167.3	84.54	UL-RL	3.1656E+04	-8.800	0.000	1.000	1.000	
70.92	0.000	0.000	Strato2_3095_82743_L_0										
46 D	14.46	2.1455E-04	101.0	72.30	171.3	86.50	UL-RL	3.1656E+04	-9.000	0.000	1.000	1.000	
72.30	0.000	0.000	Strato2_3095_82743_L_0										
47 D	14.76	1.9593E-04	105.0	73.79	175.3	88.46	UL-RL	3.1656E+04	-9.200	0.000	1.000	1.000	
73.79	0.000	0.000	Strato2_3095_82743_L_0										
48 D	15.08	1.8050E-04	109.0	75.38	179.3	90.43	UL-RL	3.1656E+04	-9.400	0.000	1.000	1.000	
75.38	0.000	0.000	Strato2_3095_82743_L_0										
49 D	15.41	1.6797E-04	113.0	77.05	183.3	92.39	UL-RL	3.1656E+04	-9.600	0.000	1.000	1.000	
77.05	0.000	0.000	Strato2_3095_82743_L_0										
50 D	15.76	1.5806E-04	117.0	78.81	187.3	94.36	UL-RL	3.1656E+04	-9.800	0.000	1.000	1.000	
78.81	0.000	0.000	Strato2_3095_82743_L_0										
51 D	16.13	1.5049E-04	121.0	80.63	191.3	96.33	UL-RL	3.1656E+04	-10.00	0.000	1.000	1.000	
80.63	0.000	0.000	Strato2_3095_82743_L_0										
52 D	16.50	1.4500E-04	125.0	82.52	195.3	98.31	UL-RL	3.1656E+04	-10.20	0.000	1.000	1.000	
82.52	0.000	0.000	Strato2_3095_82743_L_0										
53 D	16.89	1.4135E-04	129.0	84.46	199.3	100.3	UL-RL	3.1656E+04	-10.40	0.000	1.000	1.000	
84.46	0.000	0.000	Strato2_3095_82743_L_0										
54 D	17.29	1.3932E-04	133.0	86.44	203.3	102.3	UL-RL	3.1656E+04	-10.60	0.000	1.000	1.000	
86.44	0.000	0.000	Strato2_3095_82743_L_0										
55 D	17.69	1.3869E-04	137.0	88.47	207.3	104.2	UL-RL	3.1656E+04	-10.80	0.000	1.000	1.000	
88.47	0.000	0.000	Strato2_3095_82743_L_0										
56 D	18.11	1.3925E-04	141.0	90.54	211.3	106.2	UL-RL	3.1656E+04	-11.00	0.000	1.000	1.000	
90.54	0.000	0.000	Strato2_3095_82743_L_0										
57 D	18.53	1.4084E-04	145.0	92.63	215.3	108.2	UL-RL	3.1656E+04	-11.20	0.000	1.000	1.000	
92.63	0.000	0.000	Strato2_3095_82743_L_0										
58 D	18.95	1.4328E-04	149.0	94.75	219.3	110.2	UL-RL	3.1656E+04	-11.40	0.000	1.000	1.000	
94.75	0.000	0.000	Strato2_3095_82743_L_0										
59 D	19.38	1.4644E-04	153.0	96.89	223.3	112.2	UL-RL	3.1656E+04	-11.60	0.000	1.000	1.000	
96.89	0.000	0.000	Strato2_3095_82743_L_0										
60 D	19.81	1.5016E-04	157.0	99.05	227.3	114.2	UL-RL	3.1656E+04	-11.80	0.000	1.000	1.000	
99.05	0.000	0.000	Strato2_3095_82743_L_0										
61 D	20.24	1.5435E-04	161.0	101.2	231.3	116.2	UL-RL	3.1656E+04	-12.00	0.000	1.000	1.000	
101.2	0.000	0.000	Strato2_3095_82743_L_0										
62 D	20.68	1.5889E-04	165.0	103.4	235.3	118.2	UL-RL	3.1656E+04	-12.20	0.000	1.000	1.000	

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103.4       0.000       0.000     Strato2_3095_82743_L_0
  63 D   21.12    1.6370E-04   169.0        105.6      239.3       120.2          UL-RL  3.1656E+04  -12.40      0.000      1.000      1.000
105.6       0.000       0.000     Strato2_3095_82743_L_0
  64 D   21.55    1.6870E-04   173.0        107.8      243.3       122.2          UL-RL  3.1656E+04  -12.60      0.000      1.000      1.000
107.8       0.000       0.000     Strato2_3095_82743_L_0
  65 D   21.99    1.7383E-04   177.0        110.0      247.3       124.2          UL-RL  3.1656E+04  -12.80      0.000      1.000      1.000
110.0       0.000       0.000     Strato2_3095_82743_L_0
  66 D   22.43    1.7903E-04   181.0        112.2      251.3       126.2          UL-RL  3.1656E+04  -13.00      0.000      1.000      1.000
112.2       0.000       0.000     Strato2_3095_82743_L_0
  67 D   22.87    1.8426E-04   185.0        114.3      255.3       128.2          UL-RL  3.1656E+04  -13.20      0.000      1.000      1.000
114.3       0.000       0.000     Strato2_3095_82743_L_0
  68 D   23.31    1.8950E-04   189.0        116.5      259.3       130.2          UL-RL  3.1656E+04  -13.40      0.000      1.000      1.000
116.5       0.000       0.000     Strato2_3095_82743_L_0
  69 D   23.75    1.9470E-04   193.0        118.7      263.3       132.2          UL-RL  3.1656E+04  -13.60      0.000      1.000      1.000
118.7       0.000       0.000     Strato2_3095_82743_L_0
  70 D   24.18    1.9986E-04   197.0        120.9      267.3       134.2          UL-RL  3.1656E+04  -13.80      0.000      1.000      1.000
120.9       0.000       0.000     Strato2_3095_82743_L_0
  71 D   24.62    2.0496E-04   201.0        123.1      271.3       136.2          UL-RL  3.1656E+04  -14.00      0.000      1.000      1.000
123.1       0.000       0.000     Strato2_3095_82743_L_0
  72 D   25.06    2.1001E-04   205.0        125.3      275.3       138.2          UL-RL  3.1656E+04  -14.20      0.000      1.000      1.000
125.3       0.000       0.000     Strato2_3095_82743_L_0
  73 D   25.49    2.1499E-04   209.0        127.5      279.3       140.2          UL-RL  3.1656E+04  -14.40      0.000      1.000      1.000
127.5       0.000       0.000     Strato2_3095_82743_L_0
  74 D   25.93    2.1992E-04   213.0        129.6      283.3       142.2          UL-RL  3.1656E+04  -14.60      0.000      1.000      1.000
129.6       0.000       0.000     Strato2_3095_82743_L_0
  75 D   26.36    2.2479E-04   217.0        131.8      287.3       144.2          UL-RL  3.1656E+04  -14.80      0.000      1.000      1.000
131.8       0.000       0.000     Strato2_3095_82743_L_0
  76 D   26.80    2.2963E-04   221.0        134.0      291.3       146.2          UL-RL  3.1656E+04  -15.00      0.000      1.000      1.000
134.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   27.23    2.3442E-04   225.0        136.2      295.3       148.2          UL-RL  3.1656E+04  -15.20      0.000      1.000      1.000
136.2       0.000       0.000     Strato2_3095_82743_L_0
  78 D   27.66    2.3920E-04   229.0        138.3      299.3       150.2          UL-RL  3.1656E+04  -15.40      0.000      1.000      1.000
138.3       0.000       0.000     Strato2_3095_82743_L_0
  79 D   28.10    2.4396E-04   233.0        140.5      303.3       152.2          UL-RL  3.1656E+04  -15.60      0.000      1.000      1.000
140.5       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.53    2.4871E-04   237.0        142.7      307.3       154.2          UL-RL  3.1656E+04  -15.80      0.000      1.000      1.000
142.7       0.000       0.000     Strato2_3095_82743_L_0
  81 D   14.48    2.5346E-04   241.0        144.8      311.3       156.2          UL-RL  3.1656E+04  -16.00      0.000      1.000      1.000
144.8       0.000       0.000     Strato2_3095_82743_L_0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                   NewProject.BaseDesignSection_28.SLERara_3454                            |
|                                Exe Time :29 July 2019      18:01:10                                       |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    3

WallElement_33                   :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-----------------------------------------------------
    1 0.30400    -0.30400     3.09147E-11 6.08000E-02
    2 0.86087    -0.86087    -6.08000E-02 0.23297
    3  1.7084     -1.7084    -0.23297     0.57465
    4  2.8113     -2.8113    -0.57465      1.1369
    5  4.1585     -4.1585     -1.1369      1.9686
    6  5.7449     -5.7449     -1.9686      3.1176
    7  7.5680     -7.5680     -3.1176      4.6312
    8  9.6262     -9.6262     -4.6312      6.5564
    9  11.878     -11.878     -6.5564      8.9320
   10  14.367     -14.367     -8.9320      11.805
   11  17.094     -17.094     -11.805      15.224
   12  20.056     -20.056     -15.224      19.235
   13  23.252     -23.252     -19.235      23.886
   14  26.683     -26.683     -23.886      29.223
   15  30.348     -30.348     -29.223      35.292
   16  34.224     -34.224     -35.292      42.137
   17  38.334     -38.334     -42.137      49.804
   18  42.679     -42.679     -49.804      58.340
   19  47.257     -47.257     -58.340      67.791
   20  50.534     -50.534     -67.791      77.898
   21  50.972     -50.972     -77.898      88.092
   22  48.573     -48.573     -88.092      97.807
   23  43.335     -43.335     -97.807      106.47
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24	37.887	-37.887	-106.47	114.05
25	32.405	-32.405	-114.05	120.53
26	26.882	-26.882	-120.53	125.91
27	21.313	-21.313	-125.91	130.17
28	15.692	-15.692	-130.17	133.31
29	10.014	-10.014	-133.31	135.31
30	4.4386	-4.4386	-135.31	136.20
31	-0.61908	0.61908	-136.20	136.08
32	-5.1710	5.1710	-136.08	135.04
33	-9.2496	9.2496	-135.04	133.19
34	-12.887	12.887	-133.19	130.61
35	-16.116	16.116	-130.61	127.39
36	-18.966	18.966	-127.39	123.60
37	-21.469	21.469	-123.60	119.30
38	-23.654	23.654	-119.30	114.57
39	-25.566	25.566	-114.57	109.46
40	-27.214	27.214	-109.46	104.02
41	-28.627	28.627	-104.02	98.292
42	-29.828	29.828	-98.292	92.326
43	-30.842	30.842	-92.326	86.158
44	-31.691	31.691	-86.158	79.820
45	-31.765	31.765	-79.820	73.467
46	-31.446	31.446	-73.467	67.178
47	-30.782	30.782	-67.178	61.021
48	-29.833	29.833	-61.021	55.055
49	-28.649	28.649	-55.055	49.325
50	-27.279	27.279	-49.325	43.869
51	-25.767	25.767	-43.869	38.716
52	-24.150	24.150	-38.716	33.886
53	-22.462	22.462	-33.886	29.393
54	-20.745	20.745	-29.393	25.245
55	-19.012	19.012	-25.245	21.442
56	-17.288	17.288	-21.442	17.984
57	-15.591	15.591	-17.984	14.866
58	-13.936	13.936	-14.866	12.079
59	-12.339	12.339	-12.079	9.6113
60	-10.809	10.809	-9.6113	7.4495
61	-9.3652	9.3652	-7.4495	5.5765
62	-8.0049	8.0049	-5.5765	3.9755
63	-6.7333	6.7333	-3.9755	2.6289
64	-5.5543	5.5543	-2.6289	1.5180
65	-4.4705	4.4705	-1.5180	0.62391
66	-3.4835	3.4835	-0.62391	-7.27968E-02
67	-2.5943	2.5943	7.27968E-02	-0.59165
68	-1.8028	1.8028	0.59165	-0.95221
69	-1.1173	1.1173	0.95221	-1.1757
70	-0.52846	0.52846	1.1757	-1.2814
71	-3.54059E-02	3.54059E-02	1.2814	-1.2884
72	0.36291	-0.36291	1.2884	-1.2159
73	0.66756	-0.66756	1.2159	-1.0824
74	0.87958	-0.87958	1.0824	-0.90643
75	0.99993	-0.99993	0.90643	-0.70645
76	1.0218	-1.0218	0.70645	-0.50209
77	0.95355	-0.95355	0.50209	-0.31138
78	0.79572	-0.79572	0.31138	-0.15224
79	0.54865	-0.54865	0.15224	-4.25069E-02
80	0.21252	-0.21252	4.25069E-02	-1.09937E-12

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+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:01:10                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
```

```
           RENORM= 8234.     REMNOR=0.2564E-19 RATIO =0.2516     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.2516     RATIOR= 0.000
           MAX UN=0.9474E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM= 9.390     REMNOR=0.1956E-19 RATIO =0.8498E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.8498E-02 RATIOR= 0.000
           MAX UN=0.6921E-09 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-1.406     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM=0.1496     REMNOR=0.1776E-19 RATIO =0.1073E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.1073E-02 RATIOR= 0.000
           MAX UN=0.6619E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.3443     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1300E+06 RIMNOR=0.7545E+06
           RENORM=0.4677E-04 REMNOR=0.2424E-19 RATIO =0.1897E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 136.2
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1300E+06 RDR   =0.7545E+06
           RATIOT=0.1897E-04 RATIOR= 0.000
           MAX UN=0.8744E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.6839E-02 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:01:10                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.7831847E-03  -8.0851834E-04
    2   4.6214829E-03  -8.0849095E-04
    3   4.4597955E-03  -8.0835626E-04
    4   4.2981552E-03  -8.0799940E-04
    5   4.1366194E-03  -8.0728700E-04
    6   3.9752741E-03  -8.0606889E-04
    7   3.8142367E-03  -8.0417866E-04
    8   3.6536596E-03  -8.0143391E-04
    9   3.4937333E-03  -7.9763648E-04
   10   3.3346893E-03  -7.9257395E-04
   11   3.1768032E-03  -7.8601961E-04
   12   3.0203971E-03  -7.7773092E-04
   13   2.8658436E-03  -7.6744971E-04
   14   2.7135683E-03  -7.5490228E-04
   15   2.5640531E-03  -7.3979950E-04
   16   2.4178392E-03  -7.2183699E-04
   17   2.2755302E-03  -7.0069605E-04
   18   2.1376512E-03  -6.7819776E-04
   19   2.0042208E-03  -6.5615275E-04
   20   1.8751832E-03  -6.3421205E-04
   21   1.7505525E-03  -6.1202443E-04
   22   1.6304091E-03  -5.8930113E-04
   23   1.5148780E-03  -5.6588852E-04
   24   1.4041007E-03  -5.4177911E-04
   25   1.2982083E-03  -5.1704880E-04
   26   1.1973164E-03  -4.9179100E-04
   27   1.1015200E-03  -4.6611205E-04
   28   1.0108916E-03  -4.4013145E-04
   29   9.2547907E-04  -4.1398198E-04
   30   8.4530083E-04  -3.8780921E-04
   31   7.7034660E-04  -3.6176823E-04
   32   7.0057475E-04  -3.3600912E-04
   33   6.3591515E-04  -3.1066711E-04
   34   5.7627204E-04  -2.8586319E-04
   35   5.2152707E-04  -2.6170530E-04
   36   4.7154076E-04  -2.3828894E-04
   37   4.2615641E-04  -2.1569888E-04
   38   3.8520115E-04  -1.9400967E-04
   39   3.4848812E-04  -1.7328674E-04
   40   3.1581835E-04  -1.5358770E-04
   41   2.8698159E-04  -1.3496288E-04
   42   2.6175865E-04  -1.1745632E-04
   43   2.3992197E-04  -1.0110613E-04
   44   2.2123691E-04  -8.5945329E-05
   45   2.0546271E-04  -7.2002607E-05
   46   1.9235464E-04  -5.9279537E-05
   47   1.8167149E-04  -4.7747551E-05
   48   1.7317881E-04  -3.7367724E-05
   49   1.6665076E-04  -2.8092520E-05
   50   1.6187180E-04  -1.9867631E-05
   51   1.5863769E-04  -1.2633425E-05
   52   1.5675663E-04  -6.3267595E-06
   53   1.5604959E-04  -8.8159892E-07
   54   1.5635102E-04   3.7690646E-06
   55   1.5750874E-04   7.6925016E-06
   56   1.5938398E-04   1.0955276E-05
   57   1.6185117E-04   1.3622793E-05
   58   1.6479765E-04   1.5758693E-05
   59   1.6812329E-04   1.7424363E-05
   60   1.7173996E-04   1.8678525E-05
   61   1.7557099E-04   1.9576926E-05
   62   1.7955050E-04   2.0171856E-05
   63   1.8362274E-04   2.0511976E-05
   64   1.8774131E-04   2.0642415E-05
   65   1.9186850E-04   2.0604693E-05
   66   1.9597451E-04   2.0436677E-05
   67   2.0003676E-04   2.0172567E-05
```

68	2.0403916E-04	1.9842917E-05
69	2.0797135E-04	1.9474663E-05
70	2.1182800E-04	1.9090973E-05
71	2.1560801E-04	1.8711307E-05
72	2.1931386E-04	1.8351677E-05
73	2.2295086E-04	1.8024713E-05
74	2.2652654E-04	1.7739718E-05
75	2.3004995E-04	1.7502729E-05
76	2.3353102E-04	1.7316562E-05
77	2.3697993E-04	1.7180674E-05
78	2.4040638E-04	1.7091202E-05
79	2.4381904E-04	1.7041168E-05
80	2.4722481E-04	1.7020506E-05
81	2.5062849E-04	1.7016066E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:01:10

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.154	-4.7832E-03	10.00	11.54	10.00	11.54	V-C	6882.	0.000	0.000	1.000	1.000	11.54	0.000	0.000	Strato1_2_8_L_0
2 D	2.212	-4.6215E-03	9.159	11.06	9.159	11.06	V-C	6882.	-0.2000	0.000	1.000	1.000	11.06	0.000	0.000	Strato1_2_8_L_0
3 D	2.627	-4.4598E-03	13.94	13.14	13.94	13.14	V-C	6882.	-0.4000	0.000	1.000	1.000	13.14	0.000	0.000	Strato1_2_8_L_0
4 D	2.990	-4.2982E-03	18.14	14.95	18.14	14.95	V-C	6882.	-0.6000	0.000	1.000	1.000	14.95	0.000	0.000	Strato1_2_8_L_0
5 D	3.336	-4.1366E-03	22.16	16.68	22.16	16.68	V-C	6882.	-0.8000	0.000	1.000	1.000	16.68	0.000	0.000	Strato1_2_8_L_0
6 D	3.674	-3.9753E-03	26.09	18.37	26.09	18.37	V-C	6882.	-1.000	0.000	1.000	1.000	18.37	0.000	0.000	Strato1_2_8_L_0
7 D	4.008	-3.8142E-03	29.98	20.04	29.98	20.04	V-C	6882.	-1.200	0.000	1.000	1.000	20.04	0.000	0.000	Strato1_2_8_L_0
8 D	4.340	-3.6537E-03	33.85	21.70	33.85	21.70	V-C	6882.	-1.400	0.000	1.000	1.000	21.70	0.000	0.000	Strato1_2_8_L_0
9 D	4.608	-3.4937E-03	37.03	23.04	37.03	23.04	V-C	6882.	-1.600	0.000	1.000	1.000	23.04	0.000	0.000	Strato1_2_8_L_0
10 D	4.942	-3.3347E-03	40.95	24.71	40.95	24.71	V-C	6882.	-1.800	0.000	1.000	1.000	24.71	0.000	0.000	Strato1_2_8_L_0
11 D	5.273	-3.1768E-03	44.84	26.37	44.84	26.37	V-C	6882.	-2.000	0.000	1.000	1.000	26.37	0.000	0.000	Strato1_2_8_L_0
12 D	5.602	-3.0204E-03	48.72	28.01	48.72	28.01	V-C	6882.	-2.200	0.000	1.000	1.000	28.01	0.000	0.000	Strato1_2_8_L_0
13 D	5.928	-2.8658E-03	52.58	29.64	52.58	29.64	V-C	6882.	-2.400	0.000	1.000	1.000	29.64	0.000	0.000	Strato1_2_8_L_0
14 D	6.251	-2.7136E-03	56.43	31.25	56.43	31.25	V-C	6882.	-2.600	0.000	1.000	1.000	31.25	0.000	0.000	Strato1_2_8_L_0
15 D	6.571	-2.5641E-03	60.28	32.85	60.28	32.85	V-C	6882.	-2.800	0.000	1.000	1.000	32.85	0.000	0.000	Strato1_2_8_L_0
16 D	6.854	-2.4178E-03	63.75	34.27	63.75	34.27	V-C	6882.	-3.000	0.000	1.000	1.000	34.27	0.000	0.000	Strato1_2_8_L_0
17 D	7.170	-2.2755E-03	67.61	35.85	67.61	35.85	V-C	6882.	-3.200	0.000	1.000	1.000	35.85	0.000	0.000	Strato1_2_8_L_0
18 D	7.295	-2.1377E-03	71.46	36.47	71.46	37.87	UL-RL	2.0647E+04	-3.400	0.000	1.000	1.000	36.47	0.000	0.000	Strato1_2_8_L_0
19 D	7.404	-2.0042E-03	75.30	37.02	75.30	39.91	UL-RL	2.0647E+04	-3.600	0.000	1.000	1.000	37.02	0.000	0.000	Strato1_2_8_L_0
20 D	7.507	-1.8752E-03	79.14	37.53	79.14	41.95	UL-RL	2.0647E+04	-3.800	0.000	1.000	1.000	37.53	0.000	0.000	Strato1_2_8_L_0
21 D	7.604	-1.7506E-03	82.98	38.02	82.98	43.98	UL-RL	2.0647E+04	-4.000	0.000	1.000	1.000	38.02	0.000	0.000	Strato1_2_8_L_0
22 D	7.698	-1.6304E-03	86.81	38.49	86.81	46.01	UL-RL	2.0647E+04	-4.200	0.000	1.000	1.000	38.49	0.000	0.000	Strato1_2_8_L_0

23 D	7.789	-1.5149E-03	90.64	38.95	90.64	48.04	UL-RL	2.0647E+04	-4.400	0.000	1.000	1.000
38.95	0.000	0.000	Strato1_2_8_L_0									
24 D	7.866	-1.4041E-03	94.23	39.33	94.23	49.94	UL-RL	2.0647E+04	-4.600	0.000	1.000	1.000
39.33	0.000	0.000	Strato1_2_8_L_0									
25 D	7.958	-1.2982E-03	98.06	39.79	98.06	51.97	UL-RL	2.0647E+04	-4.800	0.000	1.000	1.000
39.79	0.000	0.000	Strato1_2_8_L_0									
26 D	8.052	-1.1973E-03	101.9	40.26	101.9	54.01	UL-RL	2.0647E+04	-5.000	0.000	1.000	1.000
40.26	0.000	0.000	Strato1_2_8_L_0									
27 D	8.148	-1.1015E-03	105.7	40.74	105.7	56.04	UL-RL	2.0647E+04	-5.200	0.000	1.000	1.000
40.74	0.000	0.000	Strato1_2_8_L_0									
28 D	8.248	-1.0109E-03	109.6	41.24	109.6	58.06	UL-RL	2.0647E+04	-5.400	0.000	1.000	1.000
41.24	0.000	0.000	Strato1_2_8_L_0									
29 D	8.351	-9.2548E-04	113.4	41.75	113.4	60.09	UL-RL	2.0647E+04	-5.600	0.000	1.000	1.000
41.75	0.000	0.000	Strato1_2_8_L_0									
30 D	8.625	-8.4530E-04	117.2	43.13	117.2	62.12	UL-RL	2.0647E+04	-5.800	0.000	1.000	1.000
43.13	0.000	0.000	Strato1_2_8_L_0									
31 D	9.325	-7.7035E-04	120.8	46.63	120.8	64.05	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
46.63	0.000	0.000	Strato1_2_8_L_0									
32 D	10.02	-7.0057E-04	124.7	50.12	124.7	66.07	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
50.12	0.000	0.000	Strato1_2_8_L_0									
33 D	10.70	-6.3592E-04	128.5	53.52	128.5	68.10	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
53.52	0.000	0.000	Strato1_2_8_L_0									
34 D	11.36	-5.7627E-04	132.3	56.81	132.3	70.13	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
56.81	0.000	0.000	Strato1_2_8_L_0									
35 D	12.00	-5.2153E-04	136.1	60.00	136.1	72.15	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
60.00	0.000	0.000	Strato1_2_8_L_0									
36 D	12.62	-4.7154E-04	140.0	63.09	140.0	74.18	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
63.09	0.000	0.000	Strato1_2_8_L_0									
37 D	13.22	-4.2616E-04	143.8	66.09	143.8	76.20	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
66.09	0.000	0.000	Strato1_2_8_L_0									
38 D	13.80	-3.8520E-04	147.6	69.00	147.6	78.23	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
69.00	0.000	0.000	Strato1_2_8_L_0									
39 D	14.35	-3.4849E-04	151.3	71.74	151.3	80.17	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
71.74	0.000	0.000	Strato1_2_8_L_0									
40 D	14.90	-3.1582E-04	155.1	74.48	155.1	82.20	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
74.48	0.000	0.000	Strato1_2_8_L_0									
41 D	15.43	-2.8698E-04	158.9	77.14	158.9	84.22	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
77.14	0.000	0.000	Strato1_2_8_L_0									
42 D	15.95	-2.6176E-04	162.7	79.73	162.7	86.25	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
79.73	0.000	0.000	Strato1_2_8_L_0									
43 D	16.45	-2.3992E-04	166.5	82.25	166.5	88.27	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
82.25	0.000	0.000	Strato1_2_8_L_0									
44 D	16.94	-2.2124E-04	170.4	84.70	170.4	90.29	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
84.70	0.000	0.000	Strato1_2_8_L_0									
45 D	14.47	-2.0546E-04	174.3	72.37	174.3	87.14	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
72.37	0.000	0.000	Strato2_3095_82743_L_0									
46 D	15.04	-1.9235E-04	178.2	75.20	178.2	89.09	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
75.20	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.59	-1.8167E-04	182.2	77.94	182.2	91.09	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
77.94	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.11	-1.7318E-04	186.2	80.56	186.2	93.10	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
80.56	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.61	-1.6665E-04	190.2	83.05	190.2	95.11	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
83.05	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.09	-1.6187E-04	194.2	85.43	194.2	97.12	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.43	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.54	-1.5864E-04	198.3	87.72	198.3	99.13	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
87.72	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.98	-1.5676E-04	202.3	89.91	202.3	101.1	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
89.91	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.41	-1.5605E-04	206.3	92.04	206.3	103.1	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
92.04	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.81	-1.5635E-04	210.2	94.04	210.2	105.1	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
94.04	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.21	-1.5751E-04	214.2	96.04	214.2	107.1	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
96.04	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.60	-1.5938E-04	218.2	97.99	218.2	109.1	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
97.99	0.000	0.000	Strato2_3095_82743_L_0									
57 D	19.98	-1.6185E-04	222.2	99.89	222.2	111.1	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
99.89	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.35	-1.6480E-04	226.2	101.8	226.2	113.1	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
101.8	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.72	-1.6812E-04	230.3	103.6	230.3	115.1	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.09	-1.7174E-04	234.3	105.4	234.3	117.1	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
105.4	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.44	-1.7557E-04	238.2	107.2	238.2	119.1	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
107.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	21.80	-1.7955E-04	242.2	109.0	242.2	121.1	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
109.0	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.16	-1.8362E-04	246.2	110.8	246.2	123.1	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
110.8	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.51	-1.8774E-04	250.2	112.6	250.2	125.1	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
112.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.87	-1.9187E-04	254.2	114.3	254.2	127.1	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000

114.3	0.000	0.000	Strato2_3095_82743_L_0										
66 D	23.22	-1.9597E-04	258.2	116.1	258.2	129.1	UL-RL	5.8408E+04	-13.00	0.000	1.000	1.000	
116.1	0.000	0.000	Strato2_3095_82743_L_0										
67 D	23.57	-2.0004E-04	262.3	117.9	262.3	131.1	UL-RL	5.8408E+04	-13.20	0.000	1.000	1.000	
117.9	0.000	0.000	Strato2_3095_82743_L_0										
68 D	23.93	-2.0404E-04	266.3	119.6	266.3	133.1	UL-RL	5.8408E+04	-13.40	0.000	1.000	1.000	
119.6	0.000	0.000	Strato2_3095_82743_L_0										
69 D	24.28	-2.0797E-04	270.2	121.4	270.2	135.1	UL-RL	5.8408E+04	-13.60	0.000	1.000	1.000	
121.4	0.000	0.000	Strato2_3095_82743_L_0										
70 D	24.63	-2.1183E-04	274.2	123.2	274.2	137.1	UL-RL	5.8408E+04	-13.80	0.000	1.000	1.000	
123.2	0.000	0.000	Strato2_3095_82743_L_0										
71 D	24.99	-2.1561E-04	278.2	124.9	278.2	139.1	UL-RL	5.8408E+04	-14.00	0.000	1.000	1.000	
124.9	0.000	0.000	Strato2_3095_82743_L_0										
72 D	25.35	-2.1931E-04	282.2	126.7	282.2	141.1	UL-RL	5.8408E+04	-14.20	0.000	1.000	1.000	
126.7	0.000	0.000	Strato2_3095_82743_L_0										
73 D	25.70	-2.2295E-04	286.2	128.5	286.2	143.1	UL-RL	5.8408E+04	-14.40	0.000	1.000	1.000	
128.5	0.000	0.000	Strato2_3095_82743_L_0										
74 D	26.06	-2.2653E-04	290.3	130.3	290.3	145.1	UL-RL	5.8408E+04	-14.60	0.000	1.000	1.000	
130.3	0.000	0.000	Strato2_3095_82743_L_0										
75 D	26.42	-2.3005E-04	294.3	132.1	294.3	147.1	UL-RL	5.8408E+04	-14.80	0.000	1.000	1.000	
132.1	0.000	0.000	Strato2_3095_82743_L_0										
76 D	26.77	-2.3353E-04	298.2	133.9	298.2	149.1	UL-RL	5.8408E+04	-15.00	0.000	1.000	1.000	
133.9	0.000	0.000	Strato2_3095_82743_L_0										
77 D	27.13	-2.3698E-04	302.2	135.7	302.2	151.1	UL-RL	5.8408E+04	-15.20	0.000	1.000	1.000	
135.7	0.000	0.000	Strato2_3095_82743_L_0										
78 D	27.49	-2.4041E-04	306.2	137.5	306.2	153.1	UL-RL	5.8408E+04	-15.40	0.000	1.000	1.000	
137.5	0.000	0.000	Strato2_3095_82743_L_0										
79 D	27.85	-2.4382E-04	310.2	139.3	310.2	155.1	UL-RL	5.8408E+04	-15.60	0.000	1.000	1.000	
139.3	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.21	-2.4722E-04	314.2	141.1	314.2	157.1	UL-RL	5.8408E+04	-15.80	0.000	1.000	1.000	
141.1	0.000	0.000	Strato2_3095_82743_L_0										
81 D	14.29	-2.5063E-04	318.2	142.9	318.2	159.1	UL-RL	5.8408E+04	-16.00	0.000	1.000	1.000	
142.9	0.000	0.000	Strato2_3095_82743_L_0										

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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
 |                                    Exe Time :29 July 2019      18:01:10                                                 |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000				

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0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --          -2.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --          -2.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --          -3.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --          -3.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --          -3.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --          -3.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  20 D   0.1155      1.8752E-03  1.900       0.5776      72.20       38.96       ACTIVE    0.000       -3.800      0.000       1.000       1.000
0.5776      0.000       0.000     Strato1_2_8_L_0
  21 D   2.831       1.7506E-03  5.700       14.16       76.00       40.97       UL-RL     1.4328E+04  -4.000      0.000       1.000       1.000
14.16       0.000       0.000     Strato1_2_8_L_0
  22 D   5.999       1.6304E-03  9.500       30.00       79.80       42.98       UL-RL     1.4328E+04  -4.200      0.000       1.000       1.000
30.00       0.000       0.000     Strato1_2_8_L_0
  23 D   9.168       1.5149E-03  13.30       45.84       83.60       53.75       UL-RL     1.4328E+04  -4.400      0.000       1.000       1.000
45.84       0.000       0.000     Strato1_2_8_L_0
  24 D   9.694       1.4041E-03  17.10       48.47       87.40       55.88       UL-RL     1.4328E+04  -4.600      0.000       1.000       1.000
48.47       0.000       0.000     Strato1_2_8_L_0
  25 D   10.06       1.2982E-03  20.90       50.30       91.20       57.22       UL-RL     1.4328E+04  -4.800      0.000       1.000       1.000
50.30       0.000       0.000     Strato1_2_8_L_0
  26 D   10.43       1.1973E-03  24.70       52.15       95.00       58.59       UL-RL     1.4328E+04  -5.000      0.000       1.000       1.000
52.15       0.000       0.000     Strato1_2_8_L_0
  27 D   10.80       1.1015E-03  28.50       54.02       98.80       59.99       UL-RL     1.4328E+04  -5.200      0.000       1.000       1.000
54.02       0.000       0.000     Strato1_2_8_L_0
  28 D   11.18       1.0109E-03  32.30       55.90       102.6       61.41       UL-RL     1.4328E+04  -5.400      0.000       1.000       1.000
55.90       0.000       0.000     Strato1_2_8_L_0
  29 D   11.56       9.2548E-04  36.10       57.80       106.4       62.86       UL-RL     1.4328E+04  -5.600      0.000       1.000       1.000
57.80       0.000       0.000     Strato1_2_8_L_0
  30 D   11.94       8.4530E-04  39.90       59.72       110.2       64.34       UL-RL     1.4328E+04  -5.800      0.000       1.000       1.000
59.72       0.000       0.000     Strato1_2_8_L_0
  31 D   12.33       7.7035E-04  43.70       61.64       114.0       65.85       UL-RL     1.4328E+04  -6.000      0.000       1.000       1.000
61.64       0.000       0.000     Strato1_2_8_L_0
  32 D   12.72       7.0057E-04  47.50       63.58       117.8       67.39       UL-RL     1.4328E+04  -6.200      0.000       1.000       1.000
63.58       0.000       0.000     Strato1_2_8_L_0
  33 D   13.11       6.3592E-04  51.30       65.54       121.6       68.97       UL-RL     1.4328E+04  -6.400      0.000       1.000       1.000
65.54       0.000       0.000     Strato1_2_8_L_0
  34 D   13.50       5.7627E-04  55.10       67.50       125.4       70.57       UL-RL     1.4328E+04  -6.600      0.000       1.000       1.000
67.50       0.000       0.000     Strato1_2_8_L_0
  35 D   13.89       5.2153E-04  58.90       69.47       129.2       72.20       UL-RL     1.4328E+04  -6.800      0.000       1.000       1.000
69.47       0.000       0.000     Strato1_2_8_L_0
  36 D   14.29       4.7154E-04  62.70       71.45       133.0       73.86       UL-RL     1.4328E+04  -7.000      0.000       1.000       1.000
71.45       0.000       0.000     Strato1_2_8_L_0
  37 D   14.69       4.2616E-04  66.50       73.43       136.8       75.55       UL-RL     1.4328E+04  -7.200      0.000       1.000       1.000
73.43       0.000       0.000     Strato1_2_8_L_0
  38 D   15.09       3.8520E-04  70.30       75.43       140.6       77.27       UL-RL     1.4328E+04  -7.400      0.000       1.000       1.000
75.43       0.000       0.000     Strato1_2_8_L_0
  39 D   15.49       3.4849E-04  74.10       77.43       144.4       79.01       UL-RL     1.4328E+04  -7.600      0.000       1.000       1.000
77.43       0.000       0.000     Strato1_2_8_L_0
  40 D   15.89       3.1582E-04  77.90       79.43       148.2       80.78       UL-RL     1.4328E+04  -7.800      0.000       1.000       1.000
79.43       0.000       0.000     Strato1_2_8_L_0
  41 D   16.29       2.8698E-04  81.70       81.44       152.0       82.57       UL-RL     1.4328E+04  -8.000      0.000       1.000       1.000
81.44       0.000       0.000     Strato1_2_8_L_0
  42 D   16.69       2.6176E-04  85.50       83.46       155.8       84.39       UL-RL     1.4328E+04  -8.200      0.000       1.000       1.000
83.46       0.000       0.000     Strato1_2_8_L_0
  43 D   17.10       2.3992E-04  89.30       85.48       159.6       86.23       UL-RL     1.4328E+04  -8.400      0.000       1.000       1.000
85.48       0.000       0.000     Strato1_2_8_L_0
  44 D   17.50       2.2124E-04  93.10       87.50       163.4       88.09       UL-RL     1.4328E+04  -8.600      0.000       1.000       1.000
87.50       0.000       0.000     Strato1_2_8_L_0
  45 D   13.99       2.0546E-04  97.00       69.93       167.3       84.54       UL-RL     3.1656E+04  -8.800      0.000       1.000       1.000
69.93       0.000       0.000     Strato2_3095_82743_L_0
  46 D   14.32       1.9235E-04  101.0       71.60       171.3       86.50       UL-RL     3.1656E+04  -9.000      0.000       1.000       1.000
71.60       0.000       0.000     Strato2_3095_82743_L_0
  47 D   14.67       1.8167E-04  105.0       73.34       175.3       88.46       UL-RL     3.1656E+04  -9.200      0.000       1.000       1.000
73.34       0.000       0.000     Strato2_3095_82743_L_0
  48 D   15.03       1.7318E-04  109.0       75.15       179.3       90.43       UL-RL     3.1656E+04  -9.400      0.000       1.000       1.000
75.15       0.000       0.000     Strato2_3095_82743_L_0
  49 D   15.40       1.6665E-04  113.0       77.01       183.3       92.39       UL-RL     3.1656E+04  -9.600      0.000       1.000       1.000
77.01       0.000       0.000     Strato2_3095_82743_L_0
  50 D   15.79       1.6187E-04  117.0       78.93       187.3       94.36       UL-RL     3.1656E+04  -9.800      0.000       1.000       1.000
78.93       0.000       0.000     Strato2_3095_82743_L_0
  51 D   16.18       1.5864E-04  121.0       80.89       191.3       96.33       UL-RL     3.1656E+04  -10.00      0.000       1.000       1.000
80.89       0.000       0.000     Strato2_3095_82743_L_0
  52 D   16.58       1.5676E-04  125.0       82.89       195.3       98.31       UL-RL     3.1656E+04  -10.20      0.000       1.000       1.000
82.89       0.000       0.000     Strato2_3095_82743_L_0
  53 D   16.98       1.5605E-04  129.0       84.92       199.3       100.3       UL-RL     3.1656E+04  -10.40      0.000       1.000       1.000
84.92       0.000       0.000     Strato2_3095_82743_L_0
  54 D   17.40       1.5635E-04  133.0       86.98       203.3       102.3       UL-RL     3.1656E+04  -10.60      0.000       1.000       1.000
86.98       0.000       0.000     Strato2_3095_82743_L_0
  55 D   17.81       1.5751E-04  137.0       89.07       207.3       104.2       UL-RL     3.1656E+04  -10.80      0.000       1.000       1.000
89.07       0.000       0.000     Strato2_3095_82743_L_0
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56 D	18.24	1.5938E-04	141.0	91.18	211.3	106.2	UL-RL	3.1656E+04	-11.00	0.000	1.000	1.000	91.18	0.000	0.000	Strato2_3095_82743_L_0
57 D	18.66	1.6185E-04	145.0	93.30	215.3	108.2	UL-RL	3.1656E+04	-11.20	0.000	1.000	1.000	93.30	0.000	0.000	Strato2_3095_82743_L_0
58 D	19.09	1.6480E-04	149.0	95.44	219.3	110.2	UL-RL	3.1656E+04	-11.40	0.000	1.000	1.000	95.44	0.000	0.000	Strato2_3095_82743_L_0
59 D	19.52	1.6812E-04	153.0	97.58	223.3	112.2	UL-RL	3.1656E+04	-11.60	0.000	1.000	1.000	97.58	0.000	0.000	Strato2_3095_82743_L_0
60 D	19.95	1.7174E-04	157.0	99.73	227.3	114.2	UL-RL	3.1656E+04	-11.80	0.000	1.000	1.000	99.73	0.000	0.000	Strato2_3095_82743_L_0
61 D	20.38	1.7557E-04	161.0	101.9	231.3	116.2	UL-RL	3.1656E+04	-12.00	0.000	1.000	1.000	101.9	0.000	0.000	Strato2_3095_82743_L_0
62 D	20.81	1.7955E-04	165.0	104.0	235.3	118.2	UL-RL	3.1656E+04	-12.20	0.000	1.000	1.000	104.0	0.000	0.000	Strato2_3095_82743_L_0
63 D	21.24	1.8362E-04	169.0	106.2	239.3	120.2	UL-RL	3.1656E+04	-12.40	0.000	1.000	1.000	106.2	0.000	0.000	Strato2_3095_82743_L_0
64 D	21.67	1.8774E-04	173.0	108.4	243.3	122.2	UL-RL	3.1656E+04	-12.60	0.000	1.000	1.000	108.4	0.000	0.000	Strato2_3095_82743_L_0
65 D	22.11	1.9187E-04	177.0	110.5	247.3	124.2	UL-RL	3.1656E+04	-12.80	0.000	1.000	1.000	110.5	0.000	0.000	Strato2_3095_82743_L_0
66 D	22.54	1.9597E-04	181.0	112.7	251.3	126.2	UL-RL	3.1656E+04	-13.00	0.000	1.000	1.000	112.7	0.000	0.000	Strato2_3095_82743_L_0
67 D	22.97	2.0004E-04	185.0	114.8	255.3	128.2	UL-RL	3.1656E+04	-13.20	0.000	1.000	1.000	114.8	0.000	0.000	Strato2_3095_82743_L_0
68 D	23.40	2.0404E-04	189.0	117.0	259.3	130.2	UL-RL	3.1656E+04	-13.40	0.000	1.000	1.000	117.0	0.000	0.000	Strato2_3095_82743_L_0
69 D	23.83	2.0797E-04	193.0	119.1	263.3	132.2	UL-RL	3.1656E+04	-13.60	0.000	1.000	1.000	119.1	0.000	0.000	Strato2_3095_82743_L_0
70 D	24.26	2.1183E-04	197.0	121.3	267.3	134.2	UL-RL	3.1656E+04	-13.80	0.000	1.000	1.000	121.3	0.000	0.000	Strato2_3095_82743_L_0
71 D	24.69	2.1561E-04	201.0	123.4	271.3	136.2	UL-RL	3.1656E+04	-14.00	0.000	1.000	1.000	123.4	0.000	0.000	Strato2_3095_82743_L_0
72 D	25.11	2.1931E-04	205.0	125.6	275.3	138.2	UL-RL	3.1656E+04	-14.20	0.000	1.000	1.000	125.6	0.000	0.000	Strato2_3095_82743_L_0
73 D	25.54	2.2295E-04	209.0	127.7	279.3	140.2	UL-RL	3.1656E+04	-14.40	0.000	1.000	1.000	127.7	0.000	0.000	Strato2_3095_82743_L_0
74 D	25.97	2.2653E-04	213.0	129.8	283.3	142.2	UL-RL	3.1656E+04	-14.60	0.000	1.000	1.000	129.8	0.000	0.000	Strato2_3095_82743_L_0
75 D	26.40	2.3005E-04	217.0	132.0	287.3	144.2	UL-RL	3.1656E+04	-14.80	0.000	1.000	1.000	132.0	0.000	0.000	Strato2_3095_82743_L_0
76 D	26.82	2.3353E-04	221.0	134.1	291.3	146.2	UL-RL	3.1656E+04	-15.00	0.000	1.000	1.000	134.1	0.000	0.000	Strato2_3095_82743_L_0
77 D	27.25	2.3698E-04	225.0	136.2	295.3	148.2	UL-RL	3.1656E+04	-15.20	0.000	1.000	1.000	136.2	0.000	0.000	Strato2_3095_82743_L_0
78 D	27.67	2.4041E-04	229.0	138.4	299.3	150.2	UL-RL	3.1656E+04	-15.40	0.000	1.000	1.000	138.4	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.10	2.4382E-04	233.0	140.5	303.3	152.2	UL-RL	3.1656E+04	-15.60	0.000	1.000	1.000	140.5	0.000	0.000	Strato2_3095_82743_L_0
80 D	28.52	2.4722E-04	237.0	142.6	307.3	154.2	UL-RL	3.1656E+04	-15.80	0.000	1.000	1.000	142.6	0.000	0.000	Strato2_3095_82743_L_0
81 D	14.47	2.5063E-04	241.0	144.7	311.3	156.2	UL-RL	3.1656E+04	-16.00	0.000	1.000	1.000	144.7	0.000	0.000	Strato2_3095_82743_L_0

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
 |                                   Exe Time :29 July 2019      18:01:10                                                  |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T    T I M E    I S      4.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -----------------------------------------------------
     1  1.1538     -1.1538    -5.34072E-11 0.23076
     2  3.3657     -3.3657     -0.23076     0.90389
     3  5.9930     -5.9930     -0.90389      2.1025
     4  8.9830     -8.9830      -2.1025      3.8991
     5  12.319     -12.319      -3.8991      6.3629
     6  15.993     -15.993      -6.3629      9.5615
     7  20.001     -20.001      -9.5615      13.562
     8  24.341     -24.341      -13.562      18.430
     9  28.949     -28.949      -18.430      24.220
    10  33.891     -33.891      -24.220      30.998
```

11	39.164	-39.164	-30.998	38.830
12	44.766	-44.766	-38.830	47.784
13	50.694	-50.694	-47.784	57.922
14	56.944	-56.944	-57.922	69.311
15	63.515	-63.515	-69.311	82.014
16	70.369	-70.369	-82.014	96.088
17	-13.194	13.194	-96.088	93.449
18	-5.8991	5.8991	-93.449	92.269
19	1.5050	-1.5050	-92.269	92.570
20	8.8960	-8.8960	-92.570	94.350
21	13.669	-13.669	-94.350	97.083
22	15.367	-15.367	-97.083	100.16
23	13.989	-13.989	-100.16	102.95
24	12.161	-12.161	-102.95	105.39
25	10.059	-10.059	-105.39	107.40
26	7.6809	-7.6809	-107.40	108.93
27	5.0257	-5.0257	-108.93	109.94
28	2.0929	-2.0929	-109.94	110.36
29	-1.1167	1.1167	-110.36	110.13
30	-4.4348	4.4348	-110.13	109.25
31	-7.4385	7.4385	-109.25	107.76
32	-10.131	10.131	-107.76	105.73
33	-12.535	12.535	-105.73	103.23
34	-14.673	14.673	-103.23	100.29
35	-16.567	16.567	-100.29	96.979
36	-18.239	18.239	-96.979	93.331
37	-19.708	19.708	-93.331	89.390
38	-20.994	20.994	-89.390	85.191
39	-22.131	22.131	-85.191	80.765
40	-23.122	23.122	-80.765	76.140
41	-23.982	23.982	-76.140	71.344
42	-24.727	24.727	-71.344	66.398
43	-25.373	25.373	-66.398	61.324
44	-25.933	25.933	-61.324	56.137
45	-25.445	25.445	-56.137	51.048
46	-24.726	24.726	-51.048	46.103
47	-23.806	23.806	-46.103	41.342
48	-22.724	22.724	-41.342	36.797
49	-21.516	21.516	-36.797	32.494
50	-20.216	20.216	-32.494	28.451
51	-18.850	18.850	-28.451	24.681
52	-17.445	17.445	-24.681	21.192
53	-16.022	16.022	-21.192	17.988
54	-14.611	14.611	-17.988	15.065
55	-13.218	13.218	-15.065	12.422
56	-11.856	11.856	-12.422	10.051
57	-10.537	10.537	-10.051	7.9433
58	-9.2703	9.2703	-7.9433	6.0892
59	-8.0634	8.0634	-6.0892	4.4765
60	-6.9222	6.9222	-4.4765	3.0921
61	-5.8607	5.8607	-3.0921	1.9199
62	-4.8725	4.8725	-1.9199	0.94542
63	-3.9597	3.9597	-0.94542	0.15347
64	-3.1236	3.1236	-0.15347	-0.47126
65	-2.3647	2.3647	0.47126	-0.94420
66	-1.6830	1.6830	0.94420	-1.2808
67	-1.0778	1.0778	1.2808	-1.4963
68	-0.54832	0.54832	1.4963	-1.6060
69	-0.10187	0.10187	1.6060	-1.6264
70	0.27135	-0.27135	1.6264	-1.5721
71	0.57264	-0.57264	1.5721	-1.4576
72	0.80331	-0.80331	1.4576	-1.2969
73	0.96457	-0.96457	1.2969	-1.1040
74	1.0575	-1.0575	1.1040	-0.89250
75	1.0832	-1.0832	0.89250	-0.67586
76	1.0347	-1.0347	0.67586	-0.46893
77	0.92043	-0.92043	0.46893	-0.28484
78	0.74087	-0.74087	0.28484	-0.13667
79	0.49632	-0.49632	0.13667	-3.74015E-02
80	0.18700	-0.18700	3.74015E-02	-3.52610E-12

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                 |
|                                   Exe Time :29 July 2019      18:01:10                                            |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4
```

```
Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -7.17174E-04 -7.17174E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 6033.     REMNOR=0.2424E-19 RATIO =0.2393     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2393     RATIOR= 0.000
           MAX UN= 17.50     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.6839E-02 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 198.2     REMNOR=0.2011E-18 RATIO =0.4337E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.4337E-01 RATIOR= 0.000
           MAX UN= 4.255     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.7201E-09 IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 77.00     REMNOR=0.1984E-18 RATIO =0.2703E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2703E-01 RATIOR= 0.000
           MAX UN= 3.314     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1790E-08 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM= 12.72     REMNOR=0.6697E-18 RATIO =0.1099E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.1099E-01 RATIOR= 0.000
           MAX UN= 2.562     IEQ=   103 NODE     52 DOF   1  Y-DISPL.F
           MIN UN=-.4276E-08 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM=0.2934E-01 REMNOR=0.2932E-18 RATIO =0.5277E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.5277E-03 RATIOR= 0.000
           MAX UN=0.1713     IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           MIN UN=-.2442E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1054E+06 RIMNOR=0.5900E+06
           RENORM=0.4318E-16 REMNOR=0.3025E-18 RATIO =0.2024E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 110.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1054E+06 RDR   =0.5900E+06
           RATIOT=0.2024E-10 RATIOR= 0.000
           MAX UN=0.2163E-08 IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.2900E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   1.5266651E-02  -1.1729423E-03
    2   1.5032063E-02  -1.1729351E-03
    3   1.4797478E-02  -1.1729002E-03
    4   1.4562907E-02  -1.1728044E-03
    5   1.4328364E-02  -1.1726012E-03
    6   1.4093877E-02  -1.1722326E-03
    7   1.3859486E-02  -1.1716288E-03
    8   1.3625247E-02  -1.1707090E-03
    9   1.3391230E-02  -1.1693811E-03
   10   1.3157528E-02  -1.1675426E-03
   11   1.2924254E-02  -1.1650810E-03
   12   1.2691546E-02  -1.1618725E-03
   13   1.2459564E-02  -1.1577821E-03
   14   1.2228501E-02  -1.1526636E-03
   15   1.1998578E-02  -1.1463596E-03
   16   1.1770048E-02  -1.1387016E-03
   17   1.1543199E-02  -1.1295106E-03
   18   1.1318179E-02  -1.1212919E-03
   19   1.1094452E-02  -1.1165393E-03
   20   1.0871346E-02  -1.1150411E-03
   21   1.0648233E-02  -1.1165742E-03
   22   1.0424530E-02  -1.1209048E-03
   23   1.0199701E-02  -1.1277878E-03
   24   9.9732628E-03  -1.1369668E-03
   25   9.7447801E-03  -1.1481752E-03
   26   9.5138759E-03  -1.1611354E-03
   27   9.2802284E-03  -1.1755588E-03
   28   9.0435748E-03  -1.1911456E-03
   29   8.8037145E-03  -1.2075851E-03
   30   8.5605066E-03  -1.2245556E-03
   31   8.3138791E-03  -1.2417242E-03
   32   8.0638266E-03  -1.2587473E-03
   33   7.8104135E-03  -1.2752706E-03
   34   7.5537760E-03  -1.2909286E-03
   35   7.2941261E-03  -1.3053448E-03
   36   7.0317480E-03  -1.3181318E-03
   37   6.7670086E-03  -1.3288911E-03
   38   6.5003541E-03  -1.3372131E-03
   39   6.2323139E-03  -1.3426772E-03
   40   5.9635038E-03  -1.3448521E-03
   41   5.6946231E-03  -1.3432955E-03
   42   5.4264646E-03  -1.3375541E-03
   43   5.1599114E-03  -1.3271638E-03
   44   4.8959407E-03  -1.3116492E-03
   45   4.6356271E-03  -1.2905242E-03
   46   4.3801027E-03  -1.2638446E-03
   47   4.1304189E-03  -1.2322207E-03
   48   3.8875028E-03  -1.1962713E-03
   49   3.6521573E-03  -1.1566184E-03
   50   3.4250623E-03  -1.1138792E-03
   51   3.2067722E-03  -1.0686585E-03
   52   2.9977289E-03  -1.0215505E-03
   53   2.7982434E-03  -9.7313391E-04
   54   2.6085246E-03  -9.2397790E-04
   55   2.4286644E-03  -8.7463930E-04
   56   2.2586458E-03  -8.2564645E-04
   57   2.0983512E-03  -7.7747318E-04
   58   1.9475744E-03  -7.3053207E-04
   59   1.8060326E-03  -6.8517817E-04
   60   1.6733772E-03  -6.4171268E-04
   61   1.5492049E-03  -6.0038645E-04
   62   1.4330664E-03  -5.6140355E-04
   63   1.3244765E-03  -5.2492454E-04
   64   1.2229217E-03  -4.9106920E-04
   65   1.1278685E-03  -4.5991938E-04
   66   1.0387705E-03  -4.3152158E-04
   67   9.5507547E-04  -4.0588932E-04
   68   8.7623154E-04  -3.8300533E-04
   69   8.0169320E-04  -3.6282348E-04
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70	7.3092688E-04	-3.4527067E-04
71	6.6341623E-04	-3.3024836E-04
72	5.9866703E-04	-3.1763365E-04
73	5.3621201E-04	-3.0728036E-04
74	4.7561536E-04	-2.9901999E-04
75	4.1647716E-04	-2.9266239E-04
76	3.5843763E-04	-2.8799636E-04
77	3.0118129E-04	-2.8479025E-04
78	2.4444099E-04	-2.8279227E-04
79	1.8800197E-04	-2.8173047E-04
80	1.3170586E-04	-2.8131281E-04
81	7.5451889E-05	-2.8122727E-04

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.SLERara_3454

Exe Time :29 July 2019 18:01:10

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3040	-1.5267E-02	10.00	3.040	10.00	11.54	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.040	0.000	0.000	Strato1_2_8_L_0
2 D	0.5569	-1.5032E-02	9.159	2.784	9.159	11.06	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	2.784	0.000	0.000	Strato1_2_8_L_0
3 D	0.8475	-1.4797E-02	13.94	4.238	13.94	13.14	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.238	0.000	0.000	Strato1_2_8_L_0
4 D	1.103	-1.4563E-02	18.14	5.515	18.14	14.95	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	5.515	0.000	0.000	Strato1_2_8_L_0
5 D	1.347	-1.4328E-02	22.16	6.736	22.16	16.68	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	6.736	0.000	0.000	Strato1_2_8_L_0
6 D	1.586	-1.4094E-02	26.09	7.932	26.09	18.37	ACTIVE	0.000	-1.000	0.000	1.000	1.000	7.932	0.000	0.000	Strato1_2_8_L_0
7 D	1.823	-1.3859E-02	29.98	9.115	29.98	20.04	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.115	0.000	0.000	Strato1_2_8_L_0
8 D	2.058	-1.3625E-02	33.85	10.29	33.85	21.70	ACTIVE	0.000	-1.400	0.000	1.000	1.000	10.29	0.000	0.000	Strato1_2_8_L_0
9 D	2.252	-1.3391E-02	37.03	11.26	37.03	23.04	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
10 D	2.490	-1.3158E-02	40.95	12.45	40.95	24.71	ACTIVE	0.000	-1.800	0.000	1.000	1.000	12.45	0.000	0.000	Strato1_2_8_L_0
11 D	2.726	-1.2924E-02	44.84	13.63	44.84	26.37	ACTIVE	0.000	-2.000	0.000	1.000	1.000	13.63	0.000	0.000	Strato1_2_8_L_0
12 D	2.962	-1.2692E-02	48.72	14.81	48.72	28.01	ACTIVE	0.000	-2.200	0.000	1.000	1.000	14.81	0.000	0.000	Strato1_2_8_L_0
13 D	3.197	-1.2460E-02	52.58	15.98	52.58	29.64	ACTIVE	0.000	-2.400	0.000	1.000	1.000	15.98	0.000	0.000	Strato1_2_8_L_0
14 D	3.431	-1.2229E-02	56.43	17.16	56.43	31.25	ACTIVE	0.000	-2.600	0.000	1.000	1.000	17.16	0.000	0.000	Strato1_2_8_L_0
15 D	3.665	-1.1999E-02	60.28	18.32	60.28	32.85	ACTIVE	0.000	-2.800	0.000	1.000	1.000	18.32	0.000	0.000	Strato1_2_8_L_0
16 D	3.876	-1.1770E-02	63.75	19.38	63.75	34.27	ACTIVE	0.000	-3.000	0.000	1.000	1.000	19.38	0.000	0.000	Strato1_2_8_L_0
17 D	4.110	-1.1543E-02	67.61	20.55	67.61	35.85	ACTIVE	0.000	-3.200	0.000	1.000	1.000	20.55	0.000	0.000	Strato1_2_8_L_0
18 D	4.345	-1.1318E-02	71.46	21.72	71.46	37.87	ACTIVE	0.000	-3.400	0.000	1.000	1.000	21.72	0.000	0.000	Strato1_2_8_L_0
19 D	4.578	-1.1094E-02	75.30	22.89	75.30	39.91	ACTIVE	0.000	-3.600	0.000	1.000	1.000	22.89	0.000	0.000	Strato1_2_8_L_0
20 D	4.812	-1.0871E-02	79.14	24.06	79.14	41.95	ACTIVE	0.000	-3.800	0.000	1.000	1.000	24.06	0.000	0.000	Strato1_2_8_L_0
21 D	5.045	-1.0648E-02	82.98	25.23	82.98	43.98	ACTIVE	0.000	-4.000	0.000	1.000	1.000	25.23	0.000	0.000	Strato1_2_8_L_0
22 D	5.278	-1.0425E-02	86.81	26.39	86.81	46.01	ACTIVE	0.000	-4.200	0.000	1.000	1.000	26.39	0.000	0.000	Strato1_2_8_L_0
23 D	5.511	-1.0200E-02	90.64	27.56	90.64	48.04	ACTIVE	0.000	-4.400	0.000	1.000	1.000	27.56	0.000	0.000	Strato1_2_8_L_0

24 D	5.729	-9.9733E-03	94.23	28.65	94.23	49.94	ACTIVE	0.000	-4.600	0.000	1.000	1.000
28.65	0.000	0.000	Strato1_2_8_L_0									
25 D	5.962	-9.7448E-03	98.06	29.81	98.06	51.97	ACTIVE	0.000	-4.800	0.000	1.000	1.000
29.81	0.000	0.000	Strato1_2_8_L_0									
26 D	6.195	-9.5139E-03	101.9	30.98	101.9	54.01	ACTIVE	0.000	-5.000	0.000	1.000	1.000
30.98	0.000	0.000	Strato1_2_8_L_0									
27 D	6.428	-9.2802E-03	105.7	32.14	105.7	56.04	ACTIVE	0.000	-5.200	0.000	1.000	1.000
32.14	0.000	0.000	Strato1_2_8_L_0									
28 D	6.661	-9.0436E-03	109.6	33.30	109.6	58.06	ACTIVE	0.000	-5.400	0.000	1.000	1.000
33.30	0.000	0.000	Strato1_2_8_L_0									
29 D	6.894	-8.8037E-03	113.4	34.47	113.4	60.09	ACTIVE	0.000	-5.600	0.000	1.000	1.000
34.47	0.000	0.000	Strato1_2_8_L_0									
30 D	7.126	-8.5605E-03	117.2	35.63	117.2	62.12	ACTIVE	0.000	-5.800	0.000	1.000	1.000
35.63	0.000	0.000	Strato1_2_8_L_0									
31 D	7.347	-8.3139E-03	120.8	36.74	120.8	64.05	ACTIVE	0.000	-6.000	0.000	1.000	1.000
36.74	0.000	0.000	Strato1_2_8_L_0									
32 D	7.580	-8.0638E-03	124.7	37.90	124.7	66.07	ACTIVE	0.000	-6.200	0.000	1.000	1.000
37.90	0.000	0.000	Strato1_2_8_L_0									
33 D	7.812	-7.8104E-03	128.5	39.06	128.5	68.10	ACTIVE	0.000	-6.400	0.000	1.000	1.000
39.06	0.000	0.000	Strato1_2_8_L_0									
34 D	8.045	-7.5538E-03	132.3	40.22	132.3	70.13	ACTIVE	0.000	-6.600	0.000	1.000	1.000
40.22	0.000	0.000	Strato1_2_8_L_0									
35 D	8.277	-7.2941E-03	136.1	41.39	136.1	72.15	ACTIVE	0.000	-6.800	0.000	1.000	1.000
41.39	0.000	0.000	Strato1_2_8_L_0									
36 D	8.510	-7.0317E-03	140.0	42.55	140.0	74.18	ACTIVE	0.000	-7.000	0.000	1.000	1.000
42.55	0.000	0.000	Strato1_2_8_L_0									
37 D	8.742	-6.7670E-03	143.8	43.71	143.8	76.20	ACTIVE	0.000	-7.200	0.000	1.000	1.000
43.71	0.000	0.000	Strato1_2_8_L_0									
38 D	8.974	-6.5004E-03	147.6	44.87	147.6	78.23	ACTIVE	0.000	-7.400	0.000	1.000	1.000
44.87	0.000	0.000	Strato1_2_8_L_0									
39 D	9.197	-6.2323E-03	151.3	45.99	151.3	80.17	ACTIVE	0.000	-7.600	0.000	1.000	1.000
45.99	0.000	0.000	Strato1_2_8_L_0									
40 D	9.430	-5.9635E-03	155.1	47.15	155.1	82.20	ACTIVE	0.000	-7.800	0.000	1.000	1.000
47.15	0.000	0.000	Strato1_2_8_L_0									
41 D	9.662	-5.6946E-03	158.9	48.31	158.9	84.22	ACTIVE	0.000	-8.000	0.000	1.000	1.000
48.31	0.000	0.000	Strato1_2_8_L_0									
42 D	9.894	-5.4265E-03	162.7	49.47	162.7	86.25	ACTIVE	0.000	-8.200	0.000	1.000	1.000
49.47	0.000	0.000	Strato1_2_8_L_0									
43 D	10.13	-5.1599E-03	166.5	50.63	166.5	88.27	ACTIVE	0.000	-8.400	0.000	1.000	1.000
50.63	0.000	0.000	Strato1_2_8_L_0									
44 D	10.36	-4.8959E-03	170.4	51.79	170.4	90.29	ACTIVE	0.000	-8.600	0.000	1.000	1.000
51.79	0.000	0.000	Strato1_2_8_L_0									
45 D	4.313	-4.6356E-03	174.3	21.57	174.3	87.14	ACTIVE	0.000	-8.800	0.000	1.000	1.000
21.57	0.000	0.000	Strato2_3095_82743_L_0									
46 D	4.496	-4.3801E-03	178.2	22.48	178.2	89.09	ACTIVE	0.000	-9.000	0.000	1.000	1.000
22.48	0.000	0.000	Strato2_3095_82743_L_0									
47 D	4.685	-4.1304E-03	182.2	23.42	182.2	91.09	ACTIVE	0.000	-9.200	0.000	1.000	1.000
23.42	0.000	0.000	Strato2_3095_82743_L_0									
48 D	4.874	-3.8875E-03	186.2	24.37	186.2	93.10	ACTIVE	0.000	-9.400	0.000	1.000	1.000
24.37	0.000	0.000	Strato2_3095_82743_L_0									
49 D	5.062	-3.6522E-03	190.2	25.31	190.2	95.11	ACTIVE	0.000	-9.600	0.000	1.000	1.000
25.31	0.000	0.000	Strato2_3095_82743_L_0									
50 D	5.251	-3.4251E-03	194.2	26.26	194.2	97.12	ACTIVE	0.000	-9.800	0.000	1.000	1.000
26.26	0.000	0.000	Strato2_3095_82743_L_0									
51 D	5.440	-3.2068E-03	198.3	27.20	198.3	99.13	ACTIVE	0.000	-10.00	0.000	1.000	1.000
27.20	0.000	0.000	Strato2_3095_82743_L_0									
52 D	5.628	-2.9977E-03	202.3	28.14	202.3	101.1	ACTIVE	0.000	-10.20	0.000	1.000	1.000
28.14	0.000	0.000	Strato2_3095_82743_L_0									
53 D	5.817	-2.7982E-03	206.3	29.09	206.3	103.1	ACTIVE	0.000	-10.40	0.000	1.000	1.000
29.09	0.000	0.000	Strato2_3095_82743_L_0									
54 D	6.001	-2.6085E-03	210.2	30.00	210.2	105.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000
30.00	0.000	0.000	Strato2_3095_82743_L_0									
55 D	6.937	-2.4287E-03	214.2	34.68	214.2	107.1	UL-RL	2.7014E+04	-10.80	0.000	1.000	1.000
34.68	0.000	0.000	Strato2_3095_82743_L_0									
56 D	8.255	-2.2586E-03	218.2	41.28	218.2	109.1	UL-RL	2.7014E+04	-11.00	0.000	1.000	1.000
41.28	0.000	0.000	Strato2_3095_82743_L_0									
57 D	9.516	-2.0984E-03	222.2	47.58	222.2	111.1	UL-RL	2.7014E+04	-11.20	0.000	1.000	1.000
47.58	0.000	0.000	Strato2_3095_82743_L_0									
58 D	10.72	-1.9476E-03	226.2	53.61	226.2	113.1	UL-RL	2.7014E+04	-11.40	0.000	1.000	1.000
53.61	0.000	0.000	Strato2_3095_82743_L_0									
59 D	11.87	-1.8060E-03	230.3	59.37	230.3	115.1	UL-RL	2.7014E+04	-11.60	0.000	1.000	1.000
59.37	0.000	0.000	Strato2_3095_82743_L_0									
60 D	12.97	-1.6734E-03	234.3	64.87	234.3	117.1	UL-RL	2.7014E+04	-11.80	0.000	1.000	1.000
64.87	0.000	0.000	Strato2_3095_82743_L_0									
61 D	14.02	-1.5492E-03	238.2	70.09	238.2	119.1	UL-RL	2.7014E+04	-12.00	0.000	1.000	1.000
70.09	0.000	0.000	Strato2_3095_82743_L_0									
62 D	15.03	-1.4331E-03	242.2	75.13	242.2	121.1	UL-RL	2.7014E+04	-12.20	0.000	1.000	1.000
75.13	0.000	0.000	Strato2_3095_82743_L_0									
63 D	15.99	-1.3245E-03	246.2	79.96	246.2	123.1	UL-RL	2.7014E+04	-12.40	0.000	1.000	1.000
79.96	0.000	0.000	Strato2_3095_82743_L_0									
64 D	16.92	-1.2229E-03	250.2	84.59	250.2	125.1	UL-RL	2.7014E+04	-12.60	0.000	1.000	1.000
84.59	0.000	0.000	Strato2_3095_82743_L_0									
65 D	17.81	-1.1279E-03	254.2	89.04	254.2	127.1	UL-RL	2.7014E+04	-12.80	0.000	1.000	1.000
89.04	0.000	0.000	Strato2_3095_82743_L_0									
66 D	18.67	-1.0388E-03	258.2	93.33	258.2	129.1	UL-RL	2.7014E+04	-13.00	0.000	1.000	1.000

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93.33      0.000      0.000     Strato2_3095_82743_L_0
 67 D   19.50    -9.5508E-04   262.3      97.48      262.3       131.1          UL-RL  2.7014E+04  -13.20       0.000       1.000       1.000
97.48      0.000      0.000     Strato2_3095_82743_L_0
 68 D   20.30    -8.7623E-04   266.3      101.5      266.3       133.1          UL-RL  2.7014E+04  -13.40       0.000       1.000       1.000
101.5      0.000      0.000     Strato2_3095_82743_L_0
 69 D   21.07    -8.0169E-04   270.2      105.3      270.2       135.1          UL-RL  2.7014E+04  -13.60       0.000       1.000       1.000
105.3      0.000      0.000     Strato2_3095_82743_L_0
 70 D   21.83    -7.3093E-04   274.2      109.1      274.2       137.1          UL-RL  2.7014E+04  -13.80       0.000       1.000       1.000
109.1      0.000      0.000     Strato2_3095_82743_L_0
 71 D   22.57    -6.6342E-04   278.2      112.8      278.2       139.1          UL-RL  2.7014E+04  -14.00       0.000       1.000       1.000
112.8      0.000      0.000     Strato2_3095_82743_L_0
 72 D   23.30    -5.9867E-04   282.2      116.5      282.2       141.1          UL-RL  2.7014E+04  -14.20       0.000       1.000       1.000
116.5      0.000      0.000     Strato2_3095_82743_L_0
 73 D   24.01    -5.3621E-04   286.2      120.1      286.2       143.1          UL-RL  2.7014E+04  -14.40       0.000       1.000       1.000
120.1      0.000      0.000     Strato2_3095_82743_L_0
 74 D   24.72    -4.7562E-04   290.3      123.6      290.3       145.1          UL-RL  2.7014E+04  -14.60       0.000       1.000       1.000
123.6      0.000      0.000     Strato2_3095_82743_L_0
 75 D   25.41    -4.1648E-04   294.3      127.1      294.3       147.1          UL-RL  2.7014E+04  -14.80       0.000       1.000       1.000
127.1      0.000      0.000     Strato2_3095_82743_L_0
 76 D   26.10    -3.5844E-04   298.2      130.5      298.2       149.1          UL-RL  2.7014E+04  -15.00       0.000       1.000       1.000
130.5      0.000      0.000     Strato2_3095_82743_L_0
 77 D   26.79    -3.0118E-04   302.2      133.9      302.2       151.1          UL-RL  2.7014E+04  -15.20       0.000       1.000       1.000
133.9      0.000      0.000     Strato2_3095_82743_L_0
 78 D   27.47    -2.4444E-04   306.2      137.4      306.2       153.1          UL-RL  2.7014E+04  -15.40       0.000       1.000       1.000
137.4      0.000      0.000     Strato2_3095_82743_L_0
 79 D   28.15    -1.8800E-04   310.2      140.8      310.2       155.1          UL-RL  2.7014E+04  -15.60       0.000       1.000       1.000
140.8      0.000      0.000     Strato2_3095_82743_L_0
 80 D   28.84    -1.3171E-04   314.2      144.2      314.2       157.1          UL-RL  2.7014E+04  -15.80       0.000       1.000       1.000
144.2      0.000      0.000     Strato2_3095_82743_L_0
 81 D   14.76    -7.5452E-05   318.2      147.6      318.2       159.1          UL-RL  2.7014E+04  -16.00       0.000       1.000       1.000
147.6      0.000      0.000     Strato2_3095_82743_L_0


 +----------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017* |
 |                                                                                                          |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                        |
 |                                   Exe Time :29 July 2019      18:01:10                                   |
 +----------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a         Su_p      LAYER
 ----------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1    0.000      --          --          --          --          --          REMOVED      --        0.000       0.000       1.000       1.000
0.000      0.000      0.000     not available
   2    0.000      --          --          --          --          --          REMOVED      --       -0.2000      0.000       1.000       1.000
0.000      0.000      0.000     not available
   3    0.000      --          --          --          --          --          REMOVED      --       -0.4000      0.000       1.000       1.000
0.000      0.000      0.000     not available
   4    0.000      --          --          --          --          --          REMOVED      --       -0.6000      0.000       1.000       1.000
0.000      0.000      0.000     not available
   5    0.000      --          --          --          --          --          REMOVED      --       -0.8000      0.000       1.000       1.000
0.000      0.000      0.000     not available
   6    0.000      --          --          --          --          --          REMOVED      --       -1.000       0.000       1.000       1.000
0.000      0.000      0.000     not available
   7    0.000      --          --          --          --          --          REMOVED      --       -1.200       0.000       1.000       1.000
0.000      0.000      0.000     not available
   8    0.000      --          --          --          --          --          REMOVED      --       -1.400       0.000       1.000       1.000
0.000      0.000      0.000     not available
   9    0.000      --          --          --          --          --          REMOVED      --       -1.600       0.000       1.000       1.000
0.000      0.000      0.000     not available
  10    0.000      --          --          --          --          --          REMOVED      --       -1.800       0.000       1.000       1.000
0.000      0.000      0.000     not available
  11    0.000      --          --          --          --          --          REMOVED      --       -2.000       0.000       1.000       1.000
0.000      0.000      0.000     not available
  12    0.000      --          --          --          --          --          REMOVED      --       -2.200       0.000       1.000       1.000
0.000      0.000      0.000     not available
  13    0.000      --          --          --          --          --          REMOVED      --       -2.400       0.000       1.000       1.000
0.000      0.000      0.000     not available
  14    0.000      --          --          --          --          --          REMOVED      --       -2.600       0.000       1.000       1.000
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0.000 0.000 0.000 not available
15 0.000 -- -- -- -- -- REMOVED -- -2.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
16 0.000 -- -- -- -- -- REMOVED -- -3.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
17 0.000 -- -- -- -- -- REMOVED -- -3.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
18 0.000 -- -- -- -- -- REMOVED -- -3.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
19 0.000 -- -- -- -- -- REMOVED -- -3.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
20 0.000 -- -- -- -- -- REMOVED -- -3.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
21 0.000 -- -- -- -- -- REMOVED -- -4.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
22 0.000 -- -- -- -- -- REMOVED -- -4.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
23 0.000 -- -- -- -- -- REMOVED -- -4.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
24 0.000 -- -- -- -- -- REMOVED -- -4.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
25 0.000 -- -- -- -- -- REMOVED -- -4.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
26 0.000 -- -- -- -- -- REMOVED -- -5.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
27 0.000 -- -- -- -- -- REMOVED -- -5.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
28 0.000 -- -- -- -- -- REMOVED -- -5.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
29 0.000 -- -- -- -- -- REMOVED -- -5.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
30 0.000 -- -- -- -- -- REMOVED -- -5.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
31 0.000 -- -- -- -- -- REMOVED -- -6.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
32 0.000 -- -- -- -- -- REMOVED -- -6.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
33 0.000 -- -- -- -- -- REMOVED -- -6.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
34 0.000 -- -- -- -- -- REMOVED -- -6.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
35 0.000 -- -- -- -- -- REMOVED -- -6.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
36 0.000 -- -- -- -- -- REMOVED -- -7.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
37 0.000 -- -- -- -- -- REMOVED -- -7.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
38 0.000 -- -- -- -- -- REMOVED -- -7.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
39 0.000 -- -- -- -- -- REMOVED -- -7.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
40 0.000 -- -- -- -- -- REMOVED -- -7.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
41 0.000 -- -- -- -- -- REMOVED -- -8.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
42 0.000 -- -- -- -- -- REMOVED -- -8.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
43 0.000 -- -- -- -- -- REMOVED -- -8.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
44 0.000 -- -- -- -- -- REMOVED -- -8.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
45 D 17.04 4.6356E-03 2.000 85.18 167.3 85.18 V-C 5348. -8.800 0.000 1.000 1.000
85.18 0.000 0.000 Strato2_3095_82743_L_0
46 D 17.47 4.3801E-03 6.000 87.35 171.3 87.35 V-C 5348. -9.000 0.000 1.000 1.000
87.35 0.000 0.000 Strato2_3095_82743_L_0
47 D 17.78 4.1304E-03 10.000 88.91 175.3 88.91 V-C 5348. -9.200 0.000 1.000 1.000
88.91 0.000 0.000 Strato2_3095_82743_L_0
48 D 17.98 3.8875E-03 14.00 89.90 179.3 90.43 UL-RL 1.6045E+04 -9.400 0.000 1.000 1.000
89.90 0.000 0.000 Strato2_3095_82743_L_0
49 D 17.94 3.6522E-03 18.00 89.70 183.3 92.39 UL-RL 1.6045E+04 -9.600 0.000 1.000 1.000
89.70 0.000 0.000 Strato2_3095_82743_L_0
50 D 17.87 3.4251E-03 22.00 89.36 187.3 94.36 UL-RL 1.6045E+04 -9.800 0.000 1.000 1.000
89.36 0.000 0.000 Strato2_3095_82743_L_0
51 D 17.80 3.2068E-03 26.00 88.99 191.3 96.33 UL-RL 1.6045E+04 -10.00 0.000 1.000 1.000
88.99 0.000 0.000 Strato2_3095_82743_L_0
52 D 17.72 2.9977E-03 30.00 88.62 195.3 98.31 UL-RL 1.6045E+04 -10.20 0.000 1.000 1.000
88.62 0.000 0.000 Strato2_3095_82743_L_0
53 D 17.66 2.7982E-03 34.00 88.30 199.3 100.3 UL-RL 1.6045E+04 -10.40 0.000 1.000 1.000
88.30 0.000 0.000 Strato2_3095_82743_L_0
54 D 17.61 2.6085E-03 38.00 88.06 203.3 102.3 UL-RL 1.6045E+04 -10.60 0.000 1.000 1.000
88.06 0.000 0.000 Strato2_3095_82743_L_0
55 D 17.58 2.4287E-03 42.00 87.90 207.3 104.2 UL-RL 1.6045E+04 -10.80 0.000 1.000 1.000
87.90 0.000 0.000 Strato2_3095_82743_L_0
56 D 17.57 2.2586E-03 46.00 87.85 211.3 106.2 UL-RL 1.6045E+04 -11.00 0.000 1.000 1.000
87.85 0.000 0.000 Strato2_3095_82743_L_0

57 D	17.58	2.0984E-03	50.00	87.90	215.3	108.2	UL-RL	1.6045E+04	-11.20	0.000	1.000	1.000	87.90
0.000	0.000	Strato2_3095_82743_L_0											
58 D	17.61	1.9476E-03	54.00	88.07	219.3	110.2	UL-RL	1.6045E+04	-11.40	0.000	1.000	1.000	88.07
0.000	0.000	Strato2_3095_82743_L_0											
59 D	17.67	1.8060E-03	58.00	88.34	223.3	112.2	UL-RL	1.6045E+04	-11.60	0.000	1.000	1.000	88.34
0.000	0.000	Strato2_3095_82743_L_0											
60 D	17.75	1.6734E-03	62.00	88.73	227.3	114.2	UL-RL	1.6045E+04	-11.80	0.000	1.000	1.000	88.73
0.000	0.000	Strato2_3095_82743_L_0											
61 D	17.84	1.5492E-03	66.00	89.22	231.3	116.2	UL-RL	1.6045E+04	-12.00	0.000	1.000	1.000	89.22
0.000	0.000	Strato2_3095_82743_L_0											
62 D	17.96	1.4331E-03	70.00	89.81	235.3	118.2	UL-RL	1.6045E+04	-12.20	0.000	1.000	1.000	89.81
0.000	0.000	Strato2_3095_82743_L_0											
63 D	18.10	1.3245E-03	74.00	90.50	239.3	120.2	UL-RL	1.6045E+04	-12.40	0.000	1.000	1.000	90.50
0.000	0.000	Strato2_3095_82743_L_0											
64 D	18.26	1.2229E-03	78.00	91.28	243.3	122.2	UL-RL	1.6045E+04	-12.60	0.000	1.000	1.000	91.28
0.000	0.000	Strato2_3095_82743_L_0											
65 D	18.43	1.1279E-03	82.00	92.14	247.3	124.2	UL-RL	1.6045E+04	-12.80	0.000	1.000	1.000	92.14
0.000	0.000	Strato2_3095_82743_L_0											
66 D	18.62	1.0388E-03	86.00	93.08	251.3	126.2	UL-RL	1.6045E+04	-13.00	0.000	1.000	1.000	93.08
0.000	0.000	Strato2_3095_82743_L_0											
67 D	18.82	9.5508E-04	90.00	94.09	255.3	128.2	UL-RL	1.6045E+04	-13.20	0.000	1.000	1.000	94.09
0.000	0.000	Strato2_3095_82743_L_0											
68 D	19.03	8.7623E-04	94.00	95.16	259.3	130.2	UL-RL	1.6045E+04	-13.40	0.000	1.000	1.000	95.16
0.000	0.000	Strato2_3095_82743_L_0											
69 D	19.26	8.0169E-04	98.00	96.28	263.3	132.2	UL-RL	1.6045E+04	-13.60	0.000	1.000	1.000	96.28
0.000	0.000	Strato2_3095_82743_L_0											
70 D	19.49	7.3093E-04	102.0	97.45	267.3	134.2	UL-RL	1.6045E+04	-13.80	0.000	1.000	1.000	97.45
0.000	0.000	Strato2_3095_82743_L_0											
71 D	19.73	6.6342E-04	106.0	98.65	271.3	136.2	UL-RL	1.6045E+04	-14.00	0.000	1.000	1.000	98.65
0.000	0.000	Strato2_3095_82743_L_0											
72 D	19.98	5.9867E-04	110.0	99.89	275.3	138.2	UL-RL	1.6045E+04	-14.20	0.000	1.000	1.000	99.89
0.000	0.000	Strato2_3095_82743_L_0											
73 D	20.23	5.3621E-04	114.0	101.2	279.3	140.2	UL-RL	1.6045E+04	-14.40	0.000	1.000	1.000	101.2
0.000	0.000	Strato2_3095_82743_L_0											
74 D	20.49	4.7562E-04	118.0	102.4	283.3	142.2	UL-RL	1.6045E+04	-14.60	0.000	1.000	1.000	102.4
0.000	0.000	Strato2_3095_82743_L_0											
75 D	20.75	4.1648E-04	122.0	103.7	287.3	144.2	UL-RL	1.6045E+04	-14.80	0.000	1.000	1.000	103.7
0.000	0.000	Strato2_3095_82743_L_0											
76 D	21.01	3.5844E-04	126.0	105.0	291.3	146.2	UL-RL	1.6045E+04	-15.00	0.000	1.000	1.000	105.0
0.000	0.000	Strato2_3095_82743_L_0											
77 D	21.27	3.0118E-04	130.0	106.3	295.3	148.2	UL-RL	1.6045E+04	-15.20	0.000	1.000	1.000	106.3
0.000	0.000	Strato2_3095_82743_L_0											
78 D	21.53	2.4444E-04	134.0	107.7	299.3	150.2	UL-RL	1.6045E+04	-15.40	0.000	1.000	1.000	107.7
0.000	0.000	Strato2_3095_82743_L_0											
79 D	21.79	1.8800E-04	138.0	109.0	303.3	152.2	UL-RL	1.6045E+04	-15.60	0.000	1.000	1.000	109.0
0.000	0.000	Strato2_3095_82743_L_0											
80 D	22.05	1.3171E-04	142.0	110.3	307.3	154.2	UL-RL	1.6045E+04	-15.80	0.000	1.000	1.000	110.3
0.000	0.000	Strato2_3095_82743_L_0											
81 D	11.16	7.5452E-05	146.0	111.6	311.3	156.2	UL-RL	1.6045E+04	-16.00	0.000	1.000	1.000	111.6
0.000	0.000	Strato2_3095_82743_L_0											

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
 |                                  Exe Time :29 July 2019      18:01:10                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T   T I M E   I S     5.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1 0.30400    -0.30400    -3.71619E-11 6.08000E-02
     2 0.86087    -0.86087    -6.08000E-02 0.23297
     3  1.7084     -1.7084    -0.23297     0.57465
     4  2.8113     -2.8113    -0.57465      1.1369
     5  4.1585     -4.1585     -1.1369      1.9686
     6  5.7449     -5.7449     -1.9686      3.1176
     7  7.5680     -7.5680     -3.1176      4.6312
     8  9.6262     -9.6262     -4.6312      6.5564
     9  11.878     -11.878     -6.5564      8.9320
    10  14.367     -14.367     -8.9320      11.805
    11  17.094     -17.094     -11.805      15.224
    12  20.056     -20.056     -15.224      19.235
```

13	23.252	-23.252	-19.235	23.886
14	26.683	-26.683	-23.886	29.223
15	30.348	-30.348	-29.223	35.292
16	34.224	-34.224	-35.292	42.137
17	-75.175	75.175	-42.137	27.102
18	-70.830	70.830	-27.102	12.936
19	-66.252	66.252	-12.936	-0.31421
20	-61.440	61.440	0.31421	-12.602
21	-56.394	56.394	12.602	-23.881
22	-51.116	51.116	23.881	-34.104
23	-45.605	45.605	34.104	-43.225
24	-39.876	39.876	43.225	-51.200
25	-33.914	33.914	51.200	-57.983
26	-27.718	27.718	57.983	-63.527
27	-21.290	21.290	63.527	-67.785
28	-14.629	14.629	67.785	-70.711
29	-7.7355	7.7355	70.711	-72.258
30	-0.60936	0.60936	72.258	-72.379
31	6.7377	-6.7377	72.379	-71.032
32	14.317	-14.317	71.032	-68.168
33	22.130	-22.130	68.168	-63.742
34	30.175	-30.175	63.742	-57.708
35	38.452	-38.452	57.708	-50.017
36	46.962	-46.962	50.017	-40.625
37	55.704	-55.704	40.625	-29.484
38	64.678	-64.678	29.484	-16.548
39	73.875	-73.875	16.548	-1.7735
40	83.305	-83.305	1.7735	14.887
41	92.966	-92.966	-14.887	33.481
42	102.86	-102.86	-33.481	54.053
43	112.99	-112.99	-54.053	76.650
44	123.34	-123.34	-76.650	101.32
45	110.62	-110.62	-101.32	123.44
46	97.648	-97.648	-123.44	142.97
47	84.552	-84.552	-142.97	159.88
48	71.446	-71.446	-159.88	174.17
49	58.569	-58.569	-174.17	185.89
50	45.947	-45.947	-185.89	195.08
51	33.590	-33.590	-195.08	201.79
52	21.494	-21.494	-201.79	206.09
53	9.6510	-9.6510	-206.09	208.02
54	-1.9600	1.9600	-208.02	207.63
55	-12.604	12.604	-207.63	205.11
56	-21.919	21.919	-205.11	200.73
57	-29.983	29.983	-200.73	194.73
58	-36.875	36.875	-194.73	187.35
59	-42.670	42.670	-187.35	178.82
60	-47.441	47.441	-178.82	169.33
61	-51.267	51.267	-169.33	159.08
62	-54.203	54.203	-159.08	148.24
63	-56.312	56.312	-148.24	136.98
64	-57.651	57.651	-136.98	125.45
65	-58.271	58.271	-125.45	113.79
66	-58.221	58.221	-113.79	102.15
67	-57.543	57.543	-102.15	90.639
68	-56.277	56.277	-90.639	79.383
69	-54.465	54.465	-79.383	68.490
70	-52.126	52.126	-68.490	58.065
71	-49.288	49.288	-58.065	48.208
72	-45.970	45.970	-48.208	39.014
73	-42.189	42.189	-39.014	30.576
74	-37.960	37.960	-30.576	22.984
75	-33.293	33.293	-22.984	16.325
76	-28.203	28.203	-16.325	10.685
77	-22.687	22.687	-10.685	6.1473
78	-16.747	16.747	-6.1473	2.7979
79	-10.386	10.386	-2.7979	0.72064
80	-3.6030	3.6030	-0.72064	-1.21950E-12

```
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:01:10                                                    |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
```

```
C U R R E N T    T I M E    I S       5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K      -ve limit    +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1    117.51     -7.17174E-04  8.23471E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                  |
|                                   Exe Time :29 July 2019      18:01:10                                            |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        4
        3           CONVERGENCE :YES                        5
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        6



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....     0.06 [sec]
DATABASE  CREATION CPU TIME.....     0.27 [sec]
```

3.5. Design Assumption : A1+M1+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1
 * Time:lunedì 29 luglio 2019 18:01:11
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -16 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -16 0 1 0
 SOIL 0_R LeftWall_32 -16 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
```

```
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 5 0 40 0 11.54 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -16 0 0
ENDSTEP
```

3.6. Design Assumption : A1+M1+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A1M1R1_3484
 STARTING
ACCEPTED   <FILE,GENW                                                                >
ACCEPTED   <FILE,PLOTTER,BINARY                                                      >
ACCEPTED   <SOLVE TOTAL_STRESS                                                       >
ACCEPTED   <PARAM ITEMAX 100                                                         >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                            >


                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
```

```
NO. OF RECORD FROM WALGEN .....................   88
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                               |
|                                 Exe Time :29 July 2019      18:01:11                                                          |
+-------------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     88

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : STRIP LeftWall_32 2 5 0 40 0 11.54 30
   30 : STEP Stage1_31
   31 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   32 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   33 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   37 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   38 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   43 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   44 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   45 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   46 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   47 : SETWALL LeftWall_32
```

```
   48 : GEOM 0 0
   49 : WATER -26 0 -16 0 0
   50 : ADD WallElement_33
   51 : ENDSTEP
   52 : STEP Stage2_755438
   53 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   54 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   55 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   57 : SETWALL LeftWall_32
   58 : GEOM 0 0
   59 : WATER -26 0 -16 0 0
   60 : ENDSTEP
   61 : STEP Stage3_158
   62 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   63 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   64 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   66 : SETWALL LeftWall_32
   67 : GEOM 0 -3.7
   68 : WATER -26 0 -16 0 0
   69 : ENDSTEP
   70 : STEP Stage4_617
   71 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   72 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   73 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   74 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   75 : SETWALL LeftWall_32
   76 : GEOM 0 -3.7
   77 : WATER -26 0 -16 0 0
   78 : ADD Tirante1_429
   79 : ENDSTEP
   80 : STEP Stage5_714
   81 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   82 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   83 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   84 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   85 : SETWALL LeftWall_32
   86 : GEOM 0 -8.7
   87 : WATER -26 0 -16 0 0
   88 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:01:11                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000    -10.0000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:01:11                                                    |
```

```
+-------------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
..........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1   0.1000      0.000     0.000     0.000     1.000
    2    2    1   0.2000      0.000     0.000     0.000     1.000
    3    3    1   0.2000      0.000     0.000     0.000     1.000
    4    4    1   0.2000      0.000     0.000     0.000     1.000
    5    5    1   0.2000      0.000     0.000     0.000     1.000
    6    6    1   0.2000      0.000     0.000     0.000     1.000
    7    7    1   0.2000      0.000     0.000     0.000     1.000
    8    8    1   0.2000      0.000     0.000     0.000     1.000
    9    9    1   0.2000      0.000     0.000     0.000     1.000
   10   10    1   0.2000      0.000     0.000     0.000     1.000
   11   11    1   0.2000      0.000     0.000     0.000     1.000
   12   12    1   0.2000      0.000     0.000     0.000     1.000
   13   13    1   0.2000      0.000     0.000     0.000     1.000
   14   14    1   0.2000      0.000     0.000     0.000     1.000
   15   15    1   0.2000      0.000     0.000     0.000     1.000
   16   16    1   0.2000      0.000     0.000     0.000     1.000
   17   17    1   0.2000      0.000     0.000     0.000     1.000
   18   18    1   0.2000      0.000     0.000     0.000     1.000
   19   19    1   0.2000      0.000     0.000     0.000     1.000
   20   20    1   0.2000      0.000     0.000     0.000     1.000
   21   21    1   0.2000      0.000     0.000     0.000     1.000
   22   22    1   0.2000      0.000     0.000     0.000     1.000
   23   23    1   0.2000      0.000     0.000     0.000     1.000
   24   24    1   0.2000      0.000     0.000     0.000     1.000
   25   25    1   0.2000      0.000     0.000     0.000     1.000
   26   26    1   0.2000      0.000     0.000     0.000     1.000
   27   27    1   0.2000      0.000     0.000     0.000     1.000
   28   28    1   0.2000      0.000     0.000     0.000     1.000
   29   29    1   0.2000      0.000     0.000     0.000     1.000
   30   30    1   0.2000      0.000     0.000     0.000     1.000
   31   31    1   0.2000      0.000     0.000     0.000     1.000
   32   32    1   0.2000      0.000     0.000     0.000     1.000
   33   33    1   0.2000      0.000     0.000     0.000     1.000
   34   34    1   0.2000      0.000     0.000     0.000     1.000
   35   35    1   0.2000      0.000     0.000     0.000     1.000
   36   36    1   0.2000      0.000     0.000     0.000     1.000
   37   37    1   0.2000      0.000     0.000     0.000     1.000
   38   38    1   0.2000      0.000     0.000     0.000     1.000
   39   39    1   0.2000      0.000     0.000     0.000     1.000
   40   40    1   0.2000      0.000     0.000     0.000     1.000
   41   41    1   0.2000      0.000     0.000     0.000     1.000
  42   42    1   0.2000      0.000     0.000     0.000     1.000
   43   43    1   0.2000      0.000     0.000     0.000     1.000
   44   44    1   0.2000      0.000     0.000     0.000     1.000
   45   45    2   0.2000      0.000     0.000     0.000     1.000
   46   46    2   0.2000      0.000     0.000     0.000     1.000
   47   47    2   0.2000      0.000     0.000     0.000     1.000
   48   48    2   0.2000      0.000     0.000     0.000     1.000
   49   49    2   0.2000      0.000     0.000     0.000     1.000
```

50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-----------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     2.000
    2    2    1   0.2000     0.000     0.000     0.000     2.000
    3    3    1   0.2000     0.000     0.000     0.000     2.000
    4    4    1   0.2000     0.000     0.000     0.000     2.000
    5    5    1   0.2000     0.000     0.000     0.000     2.000
    6    6    1   0.2000     0.000     0.000     0.000     2.000
    7    7    1   0.2000     0.000     0.000     0.000     2.000
    8    8    1   0.2000     0.000     0.000     0.000     2.000
```

9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.1000	0.000	0.000	0.000	2.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                  Exe Time :29 July 2019      18:01:11                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3
```

```
WallElement_33                 :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.....2D WALL ELEMENT.....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
---------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
   34   34   35    1     0.000     0.000    0.6848     0.000     0.000
   35   35   36    1     0.000     0.000    0.6848     0.000     0.000
   36   36   37    1     0.000     0.000    0.6848     0.000     0.000
   37   37   38    1     0.000     0.000    0.6848     0.000     0.000
   38   38   39    1     0.000     0.000    0.6848     0.000     0.000
   39   39   40    1     0.000     0.000    0.6848     0.000     0.000
   40   40   41    1     0.000     0.000    0.6848     0.000     0.000
   41   41   42    1     0.000     0.000    0.6848     0.000     0.000
   42   42   43    1     0.000     0.000    0.6848     0.000     0.000
   43   43   44    1     0.000     0.000    0.6848     0.000     0.000
   44   44   45    1     0.000     0.000    0.6848     0.000     0.000
   45   45   46    1     0.000     0.000    0.6848     0.000     0.000
   46   46   47    1     0.000     0.000    0.6848     0.000     0.000
   47   47   48    1     0.000     0.000    0.6848     0.000     0.000
```

48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000
63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      18:01:11                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   17    1   0.1316E-04 93.94     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
```

```
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    7
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    8
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                               Exe Time :29 July 2019      18:01:11                                                    |
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L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000
```

```
STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
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ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
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ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES




+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      18:01:11                                              |
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PHASE DESCRIPTORS
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STEP NO. 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000

ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000

```
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step    5


 LEFT-HAND WALL

 LOWER  LEVEL         -16.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -16.00000
 UPPER  LEVEL           0.00000




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:01:11                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          11.5400000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3781

 NO. OF D.P.W  FOR THIS AREA       9608
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER      0 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.5117E+05 RIMNOR= 0.000
            RENORM= 0.000      REMNOR= 0.000      RATIO = 0.000      TOLER =0.1000E-03      CONVERGED !
            RFMAX = 30.73      RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.5117E+05 RDR   = 0.000
            RATIOT= 0.000      RATIOR= 0.000
            MAX UN= 0.000      IEQ=    162 NODE     81 DOF   2   X-ROT. F
            MIN UN= 0.000      IEQ=      1 NODE      1 DOF   1   Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0
```

```
 ITER     1 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.5117E+05 RIMNOR= 0.000
             RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
             RFMAX = 30.73     RMMAX = 0.000
             RTSMAL=0.1000E-03 RMSMAL= 0.000
             RDT   =0.5117E+05 RDR   = 0.000
             RATIOT= 0.000     RATIOR= 0.000
             MAX UN= 0.000     IEQ=   162 NODE     81 DOF   2   X-ROT. F
             MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     2 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.5117E+05 RIMNOR= 0.000
             RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
             RFMAX = 30.73     RMMAX = 0.000
             RTSMAL=0.1000E-03 RMSMAL= 0.000
             RDT   =0.5117E+05 RDR   = 0.000
             RATIOT= 0.000     RATIOR= 0.000
             MAX UN= 0.000     IEQ=   162 NODE     81 DOF   2   X-ROT. F
             MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-----------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
 |                                                                                                                       |
 |                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
 |                                  Exe Time :29 July 2019      18:01:11                                                 |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-----------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
 |                                                                                                                       |
 |                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
 |                                  Exe Time :29 July 2019      18:01:11                                                 |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.5916E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.5916E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.5916E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.5916E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.5916E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.5916E+04  -1.000       0.000       1.000       1.000
```

10.07	0.000	0.000	Strato1_2_8_L_0									
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.5916E+04	-1.200	0.000	1.000	1.000
12.08	0.000	0.000	Strato1_2_8_L_0									
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.5916E+04	-1.400	0.000	1.000	1.000
14.10	0.000	0.000	Strato1_2_8_L_0									
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.5916E+04	-1.600	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.5916E+04	-1.800	0.000	1.000	1.000
18.13	0.000	0.000	Strato1_2_8_L_0									
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.5916E+04	-2.000	0.000	1.000	1.000
20.14	0.000	0.000	Strato1_2_8_L_0									
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.5916E+04	-2.200	0.000	1.000	1.000
22.15	0.000	0.000	Strato1_2_8_L_0									
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.5916E+04	-2.400	0.000	1.000	1.000
24.17	0.000	0.000	Strato1_2_8_L_0									
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.5916E+04	-2.600	0.000	1.000	1.000
26.18	0.000	0.000	Strato1_2_8_L_0									
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.5916E+04	-2.800	0.000	1.000	1.000
28.20	0.000	0.000	Strato1_2_8_L_0									
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.5916E+04	-3.000	0.000	1.000	1.000
30.21	0.000	0.000	Strato1_2_8_L_0									
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.5916E+04	-3.200	0.000	1.000	1.000
32.22	0.000	0.000	Strato1_2_8_L_0									
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.5916E+04	-3.400	0.000	1.000	1.000
34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.5916E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.5916E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.5916E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.5916E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.5916E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.5916E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.5916E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.5916E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.5916E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.5916E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.5916E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.5916E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.5916E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.5916E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.5916E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.5916E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.5916E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.5916E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.5916E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.5916E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.5916E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.5916E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.5916E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.5916E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.5916E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.5916E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	4.5023E+04	-8.800	0.000	1.000	1.000
83.65	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	4.5023E+04	-9.000	0.000	1.000	1.000
85.65	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	4.5023E+04	-9.200	0.000	1.000	1.000
87.65	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	4.5023E+04	-9.400	0.000	1.000	1.000
89.65	0.000	0.000	Strato2_3095_82743_L_0									

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  49 D   18.33       0.000       183.3       91.65       183.3       91.65          V-C  4.5023E+04  -9.600       0.000       1.000       1.000
91.65       0.000       0.000     Strato2_3095_82743_L_0
  50 D   18.73       0.000       187.3       93.65       187.3       93.65          V-C  4.5023E+04  -9.800       0.000       1.000       1.000
93.65       0.000       0.000     Strato2_3095_82743_L_0
  51 D   19.13       0.000       191.3       95.65       191.3       95.65          V-C  4.5023E+04  -10.00       0.000       1.000       1.000
95.65       0.000       0.000     Strato2_3095_82743_L_0
  52 D   19.53       0.000       195.3       97.65       195.3       97.65          V-C  4.5023E+04  -10.20       0.000       1.000       1.000
97.65       0.000       0.000     Strato2_3095_82743_L_0
  53 D   19.93       0.000       199.3       99.65       199.3       99.65          V-C  4.5023E+04  -10.40       0.000       1.000       1.000
99.65       0.000       0.000     Strato2_3095_82743_L_0
  54 D   20.33       0.000       203.3       101.6       203.3       101.6          V-C  4.5023E+04  -10.60       0.000       1.000       1.000
101.6       0.000       0.000     Strato2_3095_82743_L_0
  55 D   20.73       0.000       207.3       103.6       207.3       103.6          V-C  4.5023E+04  -10.80       0.000       1.000       1.000
103.6       0.000       0.000     Strato2_3095_82743_L_0
  56 D   21.13       0.000       211.3       105.6       211.3       105.6          V-C  4.5023E+04  -11.00       0.000       1.000       1.000
105.6       0.000       0.000     Strato2_3095_82743_L_0
  57 D   21.53       0.000       215.3       107.6       215.3       107.6          V-C  4.5023E+04  -11.20       0.000       1.000       1.000
107.6       0.000       0.000     Strato2_3095_82743_L_0
  58 D   21.93       0.000       219.3       109.6       219.3       109.6          V-C  4.5023E+04  -11.40       0.000       1.000       1.000
109.6       0.000       0.000     Strato2_3095_82743_L_0
  59 D   22.33       0.000       223.3       111.6       223.3       111.6          V-C  4.5023E+04  -11.60       0.000       1.000       1.000
111.6       0.000       0.000     Strato2_3095_82743_L_0
  60 D   22.73       0.000       227.3       113.6       227.3       113.6          V-C  4.5023E+04  -11.80       0.000       1.000       1.000
113.6       0.000       0.000     Strato2_3095_82743_L_0
  61 D   23.13       0.000       231.3       115.6       231.3       115.6          V-C  4.5023E+04  -12.00       0.000       1.000       1.000
115.6       0.000       0.000     Strato2_3095_82743_L_0
  62 D   23.53       0.000       235.3       117.6       235.3       117.6          V-C  4.5023E+04  -12.20       0.000       1.000       1.000
117.6       0.000       0.000     Strato2_3095_82743_L_0
  63 D   23.93       0.000       239.3       119.6       239.3       119.6          V-C  4.5023E+04  -12.40       0.000       1.000       1.000
119.6       0.000       0.000     Strato2_3095_82743_L_0
  64 D   24.33       0.000       243.3       121.6       243.3       121.6          V-C  4.5023E+04  -12.60       0.000       1.000       1.000
121.6       0.000       0.000     Strato2_3095_82743_L_0
  65 D   24.73       0.000       247.3       123.6       247.3       123.6          V-C  4.5023E+04  -12.80       0.000       1.000       1.000
123.6       0.000       0.000     Strato2_3095_82743_L_0
  66 D   25.13       0.000       251.3       125.6       251.3       125.6          V-C  4.5023E+04  -13.00       0.000       1.000       1.000
125.6       0.000       0.000     Strato2_3095_82743_L_0
  67 D   25.53       0.000       255.3       127.6       255.3       127.6          V-C  4.5023E+04  -13.20       0.000       1.000       1.000
127.6       0.000       0.000     Strato2_3095_82743_L_0
  68 D   25.93       0.000       259.3       129.6       259.3       129.6          V-C  4.5023E+04  -13.40       0.000       1.000       1.000
129.6       0.000       0.000     Strato2_3095_82743_L_0
  69 D   26.33       0.000       263.3       131.6       263.3       131.6          V-C  4.5023E+04  -13.60       0.000       1.000       1.000
131.6       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.73       0.000       267.3       133.6       267.3       133.6          V-C  4.5023E+04  -13.80       0.000       1.000       1.000
133.6       0.000       0.000     Strato2_3095_82743_L_0
  71 D   27.13       0.000       271.3       135.6       271.3       135.6          V-C  4.5023E+04  -14.00       0.000       1.000       1.000
135.6       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.53       0.000       275.3       137.6       275.3       137.6          V-C  4.5023E+04  -14.20       0.000       1.000       1.000
137.6       0.000       0.000     Strato2_3095_82743_L_0
  73 D   27.93       0.000       279.3       139.6       279.3       139.6          V-C  4.5023E+04  -14.40       0.000       1.000       1.000
139.6       0.000       0.000     Strato2_3095_82743_L_0
  74 D   28.33       0.000       283.3       141.6       283.3       141.6          V-C  4.5023E+04  -14.60       0.000       1.000       1.000
141.6       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.73       0.000       287.3       143.6       287.3       143.6          V-C  4.5023E+04  -14.80       0.000       1.000       1.000
143.6       0.000       0.000     Strato2_3095_82743_L_0
  76 D   29.13       0.000       291.3       145.6       291.3       145.6          V-C  4.5023E+04  -15.00       0.000       1.000       1.000
145.6       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.53       0.000       295.3       147.6       295.3       147.6          V-C  4.5023E+04  -15.20       0.000       1.000       1.000
147.6       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.93       0.000       299.3       149.6       299.3       149.6          V-C  4.5023E+04  -15.40       0.000       1.000       1.000
149.6       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.33       0.000       303.3       151.6       303.3       151.6          V-C  4.5023E+04  -15.60       0.000       1.000       1.000
151.6       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.73       0.000       307.3       153.6       307.3       153.6          V-C  4.5023E+04  -15.80       0.000       1.000       1.000
153.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   15.56       0.000       311.3       155.6       311.3       155.6          V-C  4.5023E+04  -16.00       0.000       1.000       1.000
155.6       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                    Exe Time :29 July 2019      18:01:11                                                       |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S     1.0000
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HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.1045E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.1045E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.1045E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.1045E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.1045E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.1045E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.1045E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.1045E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.1045E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.1045E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.1045E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.1045E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.1045E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.1045E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.1045E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.1045E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.1045E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.1045E+04	-3.400	0.000	1.000	1.000	34.24	0.000	0.000	Strato1_2_8_L_0
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.1045E+04	-3.600	0.000	1.000	1.000	36.25	0.000	0.000	Strato1_2_8_L_0
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.1045E+04	-3.800	0.000	1.000	1.000	38.27	0.000	0.000	Strato1_2_8_L_0
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.1045E+04	-4.000	0.000	1.000	1.000	40.28	0.000	0.000	Strato1_2_8_L_0
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.1045E+04	-4.200	0.000	1.000	1.000	42.29	0.000	0.000	Strato1_2_8_L_0
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.1045E+04	-4.400	0.000	1.000	1.000	44.31	0.000	0.000	Strato1_2_8_L_0
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.1045E+04	-4.600	0.000	1.000	1.000	46.32	0.000	0.000	Strato1_2_8_L_0
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.1045E+04	-4.800	0.000	1.000	1.000	48.34	0.000	0.000	Strato1_2_8_L_0
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.1045E+04	-5.000	0.000	1.000	1.000	50.35	0.000	0.000	Strato1_2_8_L_0
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.1045E+04	-5.200	0.000	1.000	1.000	52.36	0.000	0.000	Strato1_2_8_L_0
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.1045E+04	-5.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.1045E+04	-5.600	0.000	1.000	1.000	56.39	0.000	0.000	Strato1_2_8_L_0
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.1045E+04	-5.800	0.000	1.000	1.000	58.41	0.000	0.000	Strato1_2_8_L_0
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.1045E+04	-6.000	0.000	1.000	1.000	60.42	0.000	0.000	Strato1_2_8_L_0
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.1045E+04	-6.200	0.000	1.000	1.000	62.43	0.000	0.000	Strato1_2_8_L_0
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.1045E+04	-6.400	0.000	1.000	1.000	64.45	0.000	0.000	Strato1_2_8_L_0
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.1045E+04	-6.600	0.000	1.000	1.000	66.46	0.000	0.000	Strato1_2_8_L_0
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.1045E+04	-6.800	0.000	1.000	1.000	68.48	0.000	0.000	Strato1_2_8_L_0
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.1045E+04	-7.000	0.000	1.000	1.000	70.49	0.000	0.000	Strato1_2_8_L_0
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.1045E+04	-7.200	0.000	1.000	1.000	72.50	0.000	0.000	Strato1_2_8_L_0
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.1045E+04	-7.400	0.000	1.000	1.000	74.52	0.000	0.000	Strato1_2_8_L_0
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.1045E+04	-7.600	0.000	1.000	1.000				

76.53	0.000	0.000	Strato1_2_8_L_0										
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.1045E+04	-7.800	0.000	1.000	1.000	
78.55	0.000	0.000	Strato1_2_8_L_0										
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.1045E+04	-8.000	0.000	1.000	1.000	
80.56	0.000	0.000	Strato1_2_8_L_0										
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.1045E+04	-8.200	0.000	1.000	1.000	
82.57	0.000	0.000	Strato1_2_8_L_0										
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.1045E+04	-8.400	0.000	1.000	1.000	
84.59	0.000	0.000	Strato1_2_8_L_0										
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.1045E+04	-8.600	0.000	1.000	1.000	
86.60	0.000	0.000	Strato1_2_8_L_0										
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	2.4402E+04	-8.800	0.000	1.000	1.000	
83.65	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	2.4402E+04	-9.000	0.000	1.000	1.000	
85.65	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	2.4402E+04	-9.200	0.000	1.000	1.000	
87.65	0.000	0.000	Strato2_3095_82743_L_0										
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	2.4402E+04	-9.400	0.000	1.000	1.000	
89.65	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	2.4402E+04	-9.600	0.000	1.000	1.000	
91.65	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	2.4402E+04	-9.800	0.000	1.000	1.000	
93.65	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	2.4402E+04	-10.00	0.000	1.000	1.000	
95.65	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	2.4402E+04	-10.20	0.000	1.000	1.000	
97.65	0.000	0.000	Strato2_3095_82743_L_0										
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	2.4402E+04	-10.40	0.000	1.000	1.000	
99.65	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	2.4402E+04	-10.60	0.000	1.000	1.000	
101.6	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	2.4402E+04	-10.80	0.000	1.000	1.000	
103.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	2.4402E+04	-11.00	0.000	1.000	1.000	
105.6	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	2.4402E+04	-11.20	0.000	1.000	1.000	
107.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	2.4402E+04	-11.40	0.000	1.000	1.000	
109.6	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	2.4402E+04	-11.60	0.000	1.000	1.000	
111.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	2.4402E+04	-11.80	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										
61 D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	2.4402E+04	-12.00	0.000	1.000	1.000	
115.6	0.000	0.000	Strato2_3095_82743_L_0										
62 D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	2.4402E+04	-12.20	0.000	1.000	1.000	
117.6	0.000	0.000	Strato2_3095_82743_L_0										
63 D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	2.4402E+04	-12.40	0.000	1.000	1.000	
119.6	0.000	0.000	Strato2_3095_82743_L_0										
64 D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	2.4402E+04	-12.60	0.000	1.000	1.000	
121.6	0.000	0.000	Strato2_3095_82743_L_0										
65 D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	2.4402E+04	-12.80	0.000	1.000	1.000	
123.6	0.000	0.000	Strato2_3095_82743_L_0										
66 D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	2.4402E+04	-13.00	0.000	1.000	1.000	
125.6	0.000	0.000	Strato2_3095_82743_L_0										
67 D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	2.4402E+04	-13.20	0.000	1.000	1.000	
127.6	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	2.4402E+04	-13.40	0.000	1.000	1.000	
129.6	0.000	0.000	Strato2_3095_82743_L_0										
69 D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	2.4402E+04	-13.60	0.000	1.000	1.000	
131.6	0.000	0.000	Strato2_3095_82743_L_0										
70 D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	2.4402E+04	-13.80	0.000	1.000	1.000	
133.6	0.000	0.000	Strato2_3095_82743_L_0										
71 D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	2.4402E+04	-14.00	0.000	1.000	1.000	
135.6	0.000	0.000	Strato2_3095_82743_L_0										
72 D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	2.4402E+04	-14.20	0.000	1.000	1.000	
137.6	0.000	0.000	Strato2_3095_82743_L_0										
73 D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	2.4402E+04	-14.40	0.000	1.000	1.000	
139.6	0.000	0.000	Strato2_3095_82743_L_0										
74 D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	2.4402E+04	-14.60	0.000	1.000	1.000	
141.6	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	2.4402E+04	-14.80	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
76 D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	2.4402E+04	-15.00	0.000	1.000	1.000	
145.6	0.000	0.000	Strato2_3095_82743_L_0										
77 D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	2.4402E+04	-15.20	0.000	1.000	1.000	
147.6	0.000	0.000	Strato2_3095_82743_L_0										
78 D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	2.4402E+04	-15.40	0.000	1.000	1.000	
149.6	0.000	0.000	Strato2_3095_82743_L_0										
79 D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	2.4402E+04	-15.60	0.000	1.000	1.000	
151.6	0.000	0.000	Strato2_3095_82743_L_0										
80 D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	2.4402E+04	-15.80	0.000	1.000	1.000	
153.6	0.000	0.000	Strato2_3095_82743_L_0										
81 D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	2.4402E+04	-16.00	0.000	1.000	1.000	

155.6 0.000 0.000 Strato2_3095_82743_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 80
C U R R E N T T I M E I S 1.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	0.0000	0.0000	0.0000	0.0000
2	0.0000	0.0000	0.0000	0.0000
3	0.0000	0.0000	0.0000	0.0000
4	0.0000	0.0000	0.0000	0.0000
5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000

```
   62  0.0000      0.0000      0.0000      0.0000
   63  0.0000      0.0000      0.0000      0.0000
   64  0.0000      0.0000      0.0000      0.0000
   65  0.0000      0.0000      0.0000      0.0000
   66  0.0000      0.0000      0.0000      0.0000
   67  0.0000      0.0000      0.0000      0.0000
   68  0.0000      0.0000      0.0000      0.0000
   69  0.0000      0.0000      0.0000      0.0000
   70  0.0000      0.0000      0.0000      0.0000
   71  0.0000      0.0000      0.0000      0.0000
   72  0.0000      0.0000      0.0000      0.0000
   73  0.0000      0.0000      0.0000      0.0000
   74  0.0000      0.0000      0.0000      0.0000
   75  0.0000      0.0000      0.0000      0.0000
   76  0.0000      0.0000      0.0000      0.0000
   77  0.0000      0.0000      0.0000      0.0000
   78  0.0000      0.0000      0.0000      0.0000
   79  0.0000      0.0000      0.0000      0.0000
   80  0.0000      0.0000      0.0000      0.0000



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:01:11                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5325E+05 RIMNOR= 0.000
           RENORM= 54.06     REMNOR= 0.000     RATIO =0.3186E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.53     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5325E+05 RDR   = 0.000
           RATIOT=0.3186E-01 RATIOR= 0.000
           MAX UN=0.8871     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5325E+05 RIMNOR= 0.000
           RENORM=0.8285E-01 REMNOR=0.1097E-21 RATIO =0.1247E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.53     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5325E+05 RDR   = 0.000
           RATIOT=0.1247E-02 RATIOR= 0.000
           MAX UN=0.2669     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5408E-10 IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5325E+05 RIMNOR= 0.000
           RENORM=0.4902E-04 REMNOR=0.2432E-22 RATIO =0.3034E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 31.53     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5325E+05 RDR   = 0.000
           RATIOT=0.3034E-04 RATIOR= 0.000
           MAX UN=0.1888E-02 IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           MIN UN=-.2519E-10 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
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New Project
SOLUTION REACHED USING 3 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 2 (AT TIME 2.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)
1	8.1692710E-05	-2.6266627E-06
2	8.1167932E-05	-2.6183342E-06
3	8.0646526E-05	-2.5927565E-06
4	8.0131898E-05	-2.5511616E-06
5	7.9626821E-05	-2.4981679E-06
6	7.9133069E-05	-2.4385940E-06
7	7.8651588E-05	-2.3759574E-06
8	7.8182718E-05	-2.3128416E-06
9	7.7726360E-05	-2.2511002E-06
10	7.7281973E-05	-2.1939301E-06
11	7.6848189E-05	-2.1457412E-06
12	7.6422840E-05	-2.1100985E-06
13	7.6003124E-05	-2.0898417E-06
14	7.5585731E-05	-2.0871731E-06
15	7.5166973E-05	-2.1037240E-06
16	7.4742886E-05	-2.1406048E-06
17	7.4309262E-05	-2.1995184E-06
18	7.3861460E-05	-2.2827185E-06
19	7.3394443E-05	-2.3918919E-06
20	7.2902895E-05	-2.5281867E-06
21	7.2381319E-05	-2.6922305E-06
22	7.1824145E-05	-2.8841418E-06
23	7.1225830E-05	-3.1035337E-06
24	7.0580962E-05	-3.3495105E-06
25	6.9884303E-05	-3.6213747E-06
26	6.9130723E-05	-3.9185752E-06
27	6.8315261E-05	-4.2399569E-06
28	6.7433247E-05	-4.5837420E-06
29	6.6480437E-05	-4.9475066E-06
30	6.5453123E-05	-5.3281623E-06
31	6.4348299E-05	-5.7219162E-06
32	6.3163748E-05	-6.1247933E-06
33	6.1898054E-05	-6.5325821E-06
34	6.0550725E-05	-6.9402315E-06
35	5.9122373E-05	-7.3418137E-06
36	5.7614866E-05	-7.7304957E-06
37	5.6031554E-05	-8.0984900E-06
38	5.4377434E-05	-8.4370277E-06
39	5.2659359E-05	-8.7363214E-06
40	5.0886224E-05	-8.9859677E-06
41	4.9069028E-05	-9.1749116E-06
42	4.7221119E-05	-9.2909723E-06
43	4.5358386E-05	-9.3208332E-06
44	4.3499496E-05	-9.2500336E-06
45	4.1666132E-05	-9.0629719E-06
46	3.9881779E-05	-8.7639802E-06
47	3.8166416E-05	-8.3768511E-06
48	3.6535487E-05	-7.9229812E-06
49	3.5000422E-05	-7.4211371E-06
50	3.3569153E-05	-6.8875985E-06
51	3.2246573E-05	-6.3363028E-06
52	3.1035053E-05	-5.7790366E-06
53	2.9934731E-05	-5.2255506E-06
54	2.8944051E-05	-4.6838004E-06
55	2.8059990E-05	-4.1603671E-06
56	2.7278324E-05	-3.6606294E-06
57	2.6593890E-05	-3.1886238E-06
58	2.6000836E-05	-2.7471993E-06
59	2.5492851E-05	-2.3381625E-06
60	2.5063352E-05	-1.9624139E-06
61	2.4705658E-05	-1.6200747E-06
62	2.4413113E-05	-1.3108637E-06
63	2.4179143E-05	-1.0341987E-06
64	2.3997334E-05	-7.8902708E-07
65	2.3861528E-05	-5.7391190E-07
66	2.3765882E-05	-3.8710860E-07
67	2.3704929E-05	-2.2663225E-07
68	2.3673619E-05	-9.0316392E-08
69	2.3667345E-05	2.4136402E-08
70	2.3681959E-05	1.1888076E-07
71	2.3713716E-05	1.9589557E-07
72	2.3759269E-05	2.5718734E-07

73	2.3815676E-05	3.0476495E-07
74	2.3880394E-05	3.4061924E-07
75	2.3951273E-05	3.6670682E-07
76	2.4026553E-05	3.8493747E-07
77	2.4104834E-05	3.9695544E-07
78	2.4185012E-05	4.0413527E-07
79	2.4266253E-05	4.0778872E-07
80	2.4347976E-05	4.0916106E-07
81	2.4429848E-05	4.0942836E-07

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

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New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3508	-8.1693E-05	11.54	3.508	11.54	6.116	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.508	0.000	0.000	Strato1_2_8_L_0
2 D	0.6070	-8.1168E-05	9.984	3.035	9.984	5.292	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.035	0.000	0.000	Strato1_2_8_L_0
3 D	0.9069	-8.0647E-05	14.92	4.534	14.92	7.906	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.534	0.000	0.000	Strato1_2_8_L_0
4 D	1.268	-8.0132E-05	19.18	6.339	19.18	10.16	UL-RL	4.7747E+04	-0.6000	0.000	1.000	1.000	6.339	0.000	0.000	Strato1_2_8_L_0
5 D	1.702	-7.9627E-05	23.23	8.509	23.23	12.31	UL-RL	4.7747E+04	-0.8000	0.000	1.000	1.000	8.509	0.000	0.000	Strato1_2_8_L_0
6 D	2.126	-7.9133E-05	27.18	10.63	27.18	14.41	UL-RL	4.7747E+04	-1.000	0.000	1.000	1.000	10.63	0.000	0.000	Strato1_2_8_L_0
7 D	2.545	-7.8652E-05	31.09	12.72	31.09	16.48	UL-RL	4.7747E+04	-1.200	0.000	1.000	1.000	12.72	0.000	0.000	Strato1_2_8_L_0
8 D	2.960	-7.8183E-05	34.97	14.80	34.97	18.53	UL-RL	4.7747E+04	-1.400	0.000	1.000	1.000	14.80	0.000	0.000	Strato1_2_8_L_0
9 D	3.292	-7.7726E-05	38.06	16.46	38.06	20.17	UL-RL	4.7747E+04	-1.600	0.000	1.000	1.000	16.46	0.000	0.000	Strato1_2_8_L_0
10 D	3.713	-7.7282E-05	41.99	18.56	41.99	22.25	UL-RL	4.7747E+04	-1.800	0.000	1.000	1.000	18.56	0.000	0.000	Strato1_2_8_L_0
11 D	4.131	-7.6848E-05	45.89	20.65	45.89	24.32	UL-RL	4.7747E+04	-2.000	0.000	1.000	1.000	20.65	0.000	0.000	Strato1_2_8_L_0
12 D	4.547	-7.6423E-05	49.78	22.73	49.78	26.38	UL-RL	4.7747E+04	-2.200	0.000	1.000	1.000	22.73	0.000	0.000	Strato1_2_8_L_0
13 D	4.961	-7.6003E-05	53.65	24.81	53.65	28.44	UL-RL	4.7747E+04	-2.400	0.000	1.000	1.000	24.81	0.000	0.000	Strato1_2_8_L_0
14 D	5.375	-7.5586E-05	57.51	26.87	57.51	30.48	UL-RL	4.7747E+04	-2.600	0.000	1.000	1.000	26.87	0.000	0.000	Strato1_2_8_L_0
15 D	5.787	-7.5167E-05	61.37	28.94	61.37	32.52	UL-RL	4.7747E+04	-2.800	0.000	1.000	1.000	28.94	0.000	0.000	Strato1_2_8_L_0
16 D	6.153	-7.4743E-05	64.79	30.77	64.79	34.34	UL-RL	4.7747E+04	-3.000	0.000	1.000	1.000	30.77	0.000	0.000	Strato1_2_8_L_0
17 D	6.568	-7.4309E-05	68.65	32.84	68.65	36.39	UL-RL	4.7747E+04	-3.200	0.000	1.000	1.000	32.84	0.000	0.000	Strato1_2_8_L_0
18 D	6.981	-7.3861E-05	72.51	34.91	72.51	38.43	UL-RL	4.7747E+04	-3.400	0.000	1.000	1.000	34.91	0.000	0.000	Strato1_2_8_L_0
19 D	7.394	-7.3394E-05	76.37	36.97	76.37	40.47	UL-RL	4.7747E+04	-3.600	0.000	1.000	1.000	36.97	0.000	0.000	Strato1_2_8_L_0
20 D	7.806	-7.2903E-05	80.21	39.03	80.21	42.51	UL-RL	4.7747E+04	-3.800	0.000	1.000	1.000	39.03	0.000	0.000	Strato1_2_8_L_0
21 D	8.219	-7.2381E-05	84.06	41.09	84.06	44.55	UL-RL	4.7747E+04	-4.000	0.000	1.000	1.000	41.09	0.000	0.000	Strato1_2_8_L_0
22 D	8.631	-7.1824E-05	87.89	43.15	87.89	46.58	UL-RL	4.7747E+04	-4.200	0.000	1.000	1.000	43.15	0.000	0.000	Strato1_2_8_L_0
23 D	9.043	-7.1226E-05	91.73	45.22	91.73	48.62	UL-RL	4.7747E+04	-4.400	0.000	1.000	1.000	45.22	0.000	0.000	Strato1_2_8_L_0
24 D	9.426	-7.0581E-05	95.28	47.13	95.28	50.50	UL-RL	4.7747E+04	-4.600	0.000	1.000	1.000	47.13	0.000	0.000	Strato1_2_8_L_0
25 D	9.839	-6.9884E-05	99.12	49.20	99.12	52.53	UL-RL	4.7747E+04	-4.800	0.000	1.000	1.000				

49.20	0.000	0.000	Strato1_2_8_L_0									
26 D	10.25	-6.9131E-05	103.0	51.27	103.0	54.57	UL-RL	4.7747E+04	-5.000	0.000	1.000	1.000
51.27	0.000	0.000	Strato1_2_8_L_0									
27 D	10.67	-6.8315E-05	106.8	53.34	106.8	56.60	UL-RL	4.7747E+04	-5.200	0.000	1.000	1.000
53.34	0.000	0.000	Strato1_2_8_L_0									
28 D	11.08	-6.7433E-05	110.6	55.41	110.6	58.63	UL-RL	4.7747E+04	-5.400	0.000	1.000	1.000
55.41	0.000	0.000	Strato1_2_8_L_0									
29 D	11.50	-6.6480E-05	114.5	57.49	114.5	60.66	UL-RL	4.7747E+04	-5.600	0.000	1.000	1.000
57.49	0.000	0.000	Strato1_2_8_L_0									
30 D	11.91	-6.5453E-05	118.3	59.57	118.3	62.69	UL-RL	4.7747E+04	-5.800	0.000	1.000	1.000
59.57	0.000	0.000	Strato1_2_8_L_0									
31 D	12.31	-6.4348E-05	121.9	61.53	121.9	64.60	UL-RL	4.7747E+04	-6.000	0.000	1.000	1.000
61.53	0.000	0.000	Strato1_2_8_L_0									
32 D	12.72	-6.3164E-05	125.7	63.62	125.7	66.63	UL-RL	4.7747E+04	-6.200	0.000	1.000	1.000
63.62	0.000	0.000	Strato1_2_8_L_0									
33 D	13.14	-6.1898E-05	129.6	65.71	129.6	68.66	UL-RL	4.7747E+04	-6.400	0.000	1.000	1.000
65.71	0.000	0.000	Strato1_2_8_L_0									
34 D	13.56	-6.0551E-05	133.4	67.80	133.4	70.69	UL-RL	4.7747E+04	-6.600	0.000	1.000	1.000
67.80	0.000	0.000	Strato1_2_8_L_0									
35 D	13.98	-5.9122E-05	137.2	69.90	137.2	72.72	UL-RL	4.7747E+04	-6.800	0.000	1.000	1.000
69.90	0.000	0.000	Strato1_2_8_L_0									
36 D	14.40	-5.7615E-05	141.0	72.00	141.0	74.75	UL-RL	4.7747E+04	-7.000	0.000	1.000	1.000
72.00	0.000	0.000	Strato1_2_8_L_0									
37 D	14.82	-5.6032E-05	144.9	74.10	144.9	76.77	UL-RL	4.7747E+04	-7.200	0.000	1.000	1.000
74.10	0.000	0.000	Strato1_2_8_L_0									
38 D	15.24	-5.4377E-05	148.7	76.20	148.7	78.80	UL-RL	4.7747E+04	-7.400	0.000	1.000	1.000
76.20	0.000	0.000	Strato1_2_8_L_0									
39 D	15.64	-5.2659E-05	152.3	78.22	152.3	80.73	UL-RL	4.7747E+04	-7.600	0.000	1.000	1.000
78.22	0.000	0.000	Strato1_2_8_L_0									
40 D	16.07	-5.0886E-05	156.2	80.33	156.2	82.76	UL-RL	4.7747E+04	-7.800	0.000	1.000	1.000
80.33	0.000	0.000	Strato1_2_8_L_0									
41 D	16.49	-4.9069E-05	160.0	82.44	160.0	84.79	UL-RL	4.7747E+04	-8.000	0.000	1.000	1.000
82.44	0.000	0.000	Strato1_2_8_L_0									
42 D	16.91	-4.7221E-05	163.8	84.56	163.8	86.81	UL-RL	4.7747E+04	-8.200	0.000	1.000	1.000
84.56	0.000	0.000	Strato1_2_8_L_0									
43 D	17.33	-4.5358E-05	167.6	86.67	167.6	88.84	UL-RL	4.7747E+04	-8.400	0.000	1.000	1.000
86.67	0.000	0.000	Strato1_2_8_L_0									
44 D	17.76	-4.3499E-05	171.4	88.79	171.4	90.86	UL-RL	4.7747E+04	-8.600	0.000	1.000	1.000
88.79	0.000	0.000	Strato1_2_8_L_0									
45 D	16.41	-4.1666E-05	175.4	82.05	175.4	87.68	UL-RL	1.3507E+05	-8.800	0.000	1.000	1.000
82.05	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.85	-3.9882E-05	179.2	84.23	179.2	89.61	UL-RL	1.3507E+05	-9.000	0.000	1.000	1.000
84.23	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.29	-3.8166E-05	183.3	86.47	183.3	91.63	UL-RL	1.3507E+05	-9.200	0.000	1.000	1.000
86.47	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.74	-3.6535E-05	187.3	88.70	187.3	93.64	UL-RL	1.3507E+05	-9.400	0.000	1.000	1.000
88.70	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.18	-3.5000E-05	191.3	90.92	191.3	95.64	UL-RL	1.3507E+05	-9.600	0.000	1.000	1.000
90.92	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.62	-3.3569E-05	195.3	93.12	195.3	97.65	UL-RL	1.3507E+05	-9.800	0.000	1.000	1.000
93.12	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.06	-3.2247E-05	199.3	95.31	199.3	99.66	UL-RL	1.3507E+05	-10.00	0.000	1.000	1.000
95.31	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.50	-3.1035E-05	203.3	97.48	203.3	101.7	UL-RL	1.3507E+05	-10.20	0.000	1.000	1.000
97.48	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.93	-2.9935E-05	207.4	99.64	207.4	103.7	UL-RL	1.3507E+05	-10.40	0.000	1.000	1.000
99.64	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.34	-2.8944E-05	211.2	101.7	211.2	105.6	UL-RL	1.3507E+05	-10.60	0.000	1.000	1.000
101.7	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.77	-2.8060E-05	215.3	103.8	215.3	107.6	UL-RL	1.3507E+05	-10.80	0.000	1.000	1.000
103.8	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.19	-2.7278E-05	219.3	106.0	219.3	109.6	UL-RL	1.3507E+05	-11.00	0.000	1.000	1.000
106.0	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.61	-2.6594E-05	223.3	108.1	223.3	111.6	UL-RL	1.3507E+05	-11.20	0.000	1.000	1.000
108.1	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.03	-2.6001E-05	227.3	110.1	227.3	113.7	UL-RL	1.3507E+05	-11.40	0.000	1.000	1.000
110.1	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.44	-2.5493E-05	231.3	112.2	231.3	115.7	UL-RL	1.3507E+05	-11.60	0.000	1.000	1.000
112.2	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.86	-2.5063E-05	235.3	114.3	235.3	117.7	UL-RL	1.3507E+05	-11.80	0.000	1.000	1.000
114.3	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.26	-2.4706E-05	239.2	116.3	239.2	119.6	UL-RL	1.3507E+05	-12.00	0.000	1.000	1.000
116.3	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.67	-2.4413E-05	243.3	118.3	243.3	121.6	UL-RL	1.3507E+05	-12.20	0.000	1.000	1.000
118.3	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.07	-2.4179E-05	247.3	120.4	247.3	123.6	UL-RL	1.3507E+05	-12.40	0.000	1.000	1.000
120.4	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.48	-2.3997E-05	251.3	122.4	251.3	125.6	UL-RL	1.3507E+05	-12.60	0.000	1.000	1.000
122.4	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.89	-2.3862E-05	255.3	124.4	255.3	127.7	UL-RL	1.3507E+05	-12.80	0.000	1.000	1.000
124.4	0.000	0.000	Strato2_3095_82743_L_0									
66 D	25.29	-2.3766E-05	259.3	126.4	259.3	129.7	UL-RL	1.3507E+05	-13.00	0.000	1.000	1.000
126.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.69	-2.3705E-05	263.3	128.5	263.3	131.7	UL-RL	1.3507E+05	-13.20	0.000	1.000	1.000
128.5	0.000	0.000	Strato2_3095_82743_L_0									

68 D	26.10	-2.3674E-05	267.3	130.5	267.3	133.7	UL-RL	1.3507E+05	-13.40	0.000	1.000	1.000	130.5	0.000	0.000	Strato2_3095_82743_L_0
69 D	26.49	-2.3667E-05	271.3	132.4	271.3	135.6	UL-RL	1.3507E+05	-13.60	0.000	1.000	1.000	132.4	0.000	0.000	Strato2_3095_82743_L_0
70 D	26.89	-2.3682E-05	275.3	134.4	275.3	137.6	UL-RL	1.3507E+05	-13.80	0.000	1.000	1.000	134.4	0.000	0.000	Strato2_3095_82743_L_0
71 D	27.29	-2.3714E-05	279.3	136.4	279.3	139.6	UL-RL	1.3507E+05	-14.00	0.000	1.000	1.000	136.4	0.000	0.000	Strato2_3095_82743_L_0
72 D	27.69	-2.3759E-05	283.3	138.4	283.3	141.6	UL-RL	1.3507E+05	-14.20	0.000	1.000	1.000	138.4	0.000	0.000	Strato2_3095_82743_L_0
73 D	28.09	-2.3816E-05	287.3	140.4	287.3	143.7	UL-RL	1.3507E+05	-14.40	0.000	1.000	1.000	140.4	0.000	0.000	Strato2_3095_82743_L_0
74 D	28.49	-2.3880E-05	291.3	142.4	291.3	145.7	UL-RL	1.3507E+05	-14.60	0.000	1.000	1.000	142.4	0.000	0.000	Strato2_3095_82743_L_0
75 D	28.89	-2.3951E-05	295.3	144.4	295.3	147.7	UL-RL	1.3507E+05	-14.80	0.000	1.000	1.000	144.4	0.000	0.000	Strato2_3095_82743_L_0
76 D	29.28	-2.4027E-05	299.3	146.4	299.3	149.6	UL-RL	1.3507E+05	-15.00	0.000	1.000	1.000	146.4	0.000	0.000	Strato2_3095_82743_L_0
77 D	29.68	-2.4105E-05	303.3	148.4	303.3	151.6	UL-RL	1.3507E+05	-15.20	0.000	1.000	1.000	148.4	0.000	0.000	Strato2_3095_82743_L_0
78 D	30.07	-2.4185E-05	307.3	150.4	307.3	153.6	UL-RL	1.3507E+05	-15.40	0.000	1.000	1.000	150.4	0.000	0.000	Strato2_3095_82743_L_0
79 D	30.47	-2.4266E-05	311.3	152.4	311.3	155.6	UL-RL	1.3507E+05	-15.60	0.000	1.000	1.000	152.4	0.000	0.000	Strato2_3095_82743_L_0
80 D	30.87	-2.4348E-05	315.3	154.4	315.3	157.7	UL-RL	1.3507E+05	-15.80	0.000	1.000	1.000	154.4	0.000	0.000	Strato2_3095_82743_L_0
81 D	15.64	-2.4430E-05	319.3	156.4	319.3	159.7	UL-RL	1.3507E+05	-16.00	0.000	1.000	1.000	156.4	0.000	0.000	Strato2_3095_82743_L_0

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                  Exe Time :29 July 2019      18:01:11                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	8.1693E-05	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.5821	8.1168E-05	3.800	2.910	3.800	2.910	V-C	1.1045E+04	-0.2000	0.000	1.000	1.000	2.910	0.000	0.000	Strato1_2_8_L_0
3 D	0.9837	8.0647E-05	7.600	4.919	7.600	4.919	V-C	1.1045E+04	-0.4000	0.000	1.000	1.000	4.919	0.000	0.000	Strato1_2_8_L_0
4 D	1.385	8.0132E-05	11.40	6.927	11.40	6.927	V-C	1.1045E+04	-0.6000	0.000	1.000	1.000	6.927	0.000	0.000	Strato1_2_8_L_0
5 D	1.787	7.9627E-05	15.20	8.935	15.20	8.935	V-C	1.1045E+04	-0.8000	0.000	1.000	1.000	8.935	0.000	0.000	Strato1_2_8_L_0
6 D	2.189	7.9133E-05	19.00	10.94	19.00	10.94	V-C	1.1045E+04	-1.000	0.000	1.000	1.000	10.94	0.000	0.000	Strato1_2_8_L_0
7 D	2.591	7.8652E-05	22.80	12.95	22.80	12.95	V-C	1.1045E+04	-1.200	0.000	1.000	1.000	12.95	0.000	0.000	Strato1_2_8_L_0
8 D	2.992	7.8183E-05	26.60	14.96	26.60	14.96	V-C	1.1045E+04	-1.400	0.000	1.000	1.000	14.96	0.000	0.000	Strato1_2_8_L_0
9 D	3.394	7.7726E-05	30.40	16.97	30.40	16.97	V-C	1.1045E+04	-1.600	0.000	1.000	1.000	16.97	0.000	0.000	Strato1_2_8_L_0
10 D	3.796	7.7282E-05	34.20	18.98	34.20	18.98	V-C	1.1045E+04	-1.800	0.000	1.000	1.000	18.98	0.000	0.000	Strato1_2_8_L_0
11 D	4.198	7.6848E-05	38.00	20.99	38.00	20.99	V-C	1.1045E+04	-2.000	0.000	1.000	1.000	20.99	0.000	0.000	Strato1_2_8_L_0
12 D	4.600	7.6423E-05	41.80	23.00	41.80	23.00	V-C	1.1045E+04	-2.200	0.000	1.000	1.000	23.00	0.000	0.000	Strato1_2_8_L_0
13 D	5.001	7.6003E-05	45.60	25.01	45.60	25.01	V-C	1.1045E+04	-2.400	0.000	1.000	1.000	25.01	0.000	0.000	Strato1_2_8_L_0
14 D	5.403	7.5586E-05	49.40	27.02	49.40	27.02	V-C	1.1045E+04	-2.600	0.000	1.000	1.000	27.02	0.000	0.000	Strato1_2_8_L_0
15 D	5.805	7.5167E-05	53.20	29.03	53.20	29.03	V-C	1.1045E+04	-2.800	0.000	1.000	1.000	29.03	0.000	0.000	Strato1_2_8_L_0

16 D	6.207	7.4743E-05	57.00	31.04	57.00	31.04	V-C	1.1045E+04	-3.000	0.000	1.000	1.000
31.04	0.000	0.000	Strato1_2_8_L_0									
17 D	6.609	7.4309E-05	60.80	33.04	60.80	33.04	V-C	1.1045E+04	-3.200	0.000	1.000	1.000
33.04	0.000	0.000	Strato1_2_8_L_0									
18 D	7.011	7.3861E-05	64.60	35.05	64.60	35.05	V-C	1.1045E+04	-3.400	0.000	1.000	1.000
35.05	0.000	0.000	Strato1_2_8_L_0									
19 D	7.413	7.3394E-05	68.40	37.06	68.40	37.06	V-C	1.1045E+04	-3.600	0.000	1.000	1.000
37.06	0.000	0.000	Strato1_2_8_L_0									
20 D	7.814	7.2903E-05	72.20	39.07	72.20	39.07	V-C	1.1045E+04	-3.800	0.000	1.000	1.000
39.07	0.000	0.000	Strato1_2_8_L_0									
21 D	8.216	7.2381E-05	76.00	41.08	76.00	41.08	V-C	1.1045E+04	-4.000	0.000	1.000	1.000
41.08	0.000	0.000	Strato1_2_8_L_0									
22 D	8.617	7.1824E-05	79.80	43.09	79.80	43.09	V-C	1.1045E+04	-4.200	0.000	1.000	1.000
43.09	0.000	0.000	Strato1_2_8_L_0									
23 D	9.019	7.1226E-05	83.60	45.09	83.60	45.09	V-C	1.1045E+04	-4.400	0.000	1.000	1.000
45.09	0.000	0.000	Strato1_2_8_L_0									
24 D	9.420	7.0581E-05	87.40	47.10	87.40	47.10	UL-RL	3.3134E+04	-4.600	0.000	1.000	1.000
47.10	0.000	0.000	Strato1_2_8_L_0									
25 D	9.821	6.9884E-05	91.20	49.11	91.20	49.11	UL-RL	3.3134E+04	-4.800	0.000	1.000	1.000
49.11	0.000	0.000	Strato1_2_8_L_0									
26 D	10.22	6.9131E-05	95.00	51.11	95.00	51.12	UL-RL	3.3134E+04	-5.000	0.000	1.000	1.000
51.11	0.000	0.000	Strato1_2_8_L_0									
27 D	10.62	6.8315E-05	98.80	53.11	98.80	53.12	UL-RL	3.3134E+04	-5.200	0.000	1.000	1.000
53.11	0.000	0.000	Strato1_2_8_L_0									
28 D	11.02	6.7433E-05	102.6	55.12	102.6	55.13	UL-RL	3.3134E+04	-5.400	0.000	1.000	1.000
55.12	0.000	0.000	Strato1_2_8_L_0									
29 D	11.42	6.6480E-05	106.4	57.12	106.4	57.13	UL-RL	3.3134E+04	-5.600	0.000	1.000	1.000
57.12	0.000	0.000	Strato1_2_8_L_0									
30 D	11.82	6.5453E-05	110.2	59.12	110.2	59.13	UL-RL	3.3134E+04	-5.800	0.000	1.000	1.000
59.12	0.000	0.000	Strato1_2_8_L_0									
31 D	12.22	6.4348E-05	114.0	61.12	114.0	61.13	UL-RL	3.3134E+04	-6.000	0.000	1.000	1.000
61.12	0.000	0.000	Strato1_2_8_L_0									
32 D	12.62	6.3164E-05	117.8	63.12	117.8	63.14	UL-RL	3.3134E+04	-6.200	0.000	1.000	1.000
63.12	0.000	0.000	Strato1_2_8_L_0									
33 D	13.02	6.1898E-05	121.6	65.12	121.6	65.14	UL-RL	3.3134E+04	-6.400	0.000	1.000	1.000
65.12	0.000	0.000	Strato1_2_8_L_0									
34 D	13.42	6.0551E-05	125.4	67.12	125.4	67.13	UL-RL	3.3134E+04	-6.600	0.000	1.000	1.000
67.12	0.000	0.000	Strato1_2_8_L_0									
35 D	13.82	5.9122E-05	129.2	69.12	129.2	69.13	UL-RL	3.3134E+04	-6.800	0.000	1.000	1.000
69.12	0.000	0.000	Strato1_2_8_L_0									
36 D	14.22	5.7615E-05	133.0	71.12	133.0	71.13	UL-RL	3.3134E+04	-7.000	0.000	1.000	1.000
71.12	0.000	0.000	Strato1_2_8_L_0									
37 D	14.62	5.6032E-05	136.8	73.12	136.8	73.13	UL-RL	3.3134E+04	-7.200	0.000	1.000	1.000
73.12	0.000	0.000	Strato1_2_8_L_0									
38 D	15.02	5.4377E-05	140.6	75.11	140.6	75.12	UL-RL	3.3134E+04	-7.400	0.000	1.000	1.000
75.11	0.000	0.000	Strato1_2_8_L_0									
39 D	15.42	5.2659E-05	144.4	77.11	144.4	77.12	UL-RL	3.3134E+04	-7.600	0.000	1.000	1.000
77.11	0.000	0.000	Strato1_2_8_L_0									
40 D	15.82	5.0886E-05	148.2	79.10	148.2	79.11	UL-RL	3.3134E+04	-7.800	0.000	1.000	1.000
79.10	0.000	0.000	Strato1_2_8_L_0									
41 D	16.22	4.9069E-05	152.0	81.10	152.0	81.10	UL-RL	3.3134E+04	-8.000	0.000	1.000	1.000
81.10	0.000	0.000	Strato1_2_8_L_0									
42 D	16.62	4.7221E-05	155.8	83.09	155.8	83.10	UL-RL	3.3134E+04	-8.200	0.000	1.000	1.000
83.09	0.000	0.000	Strato1_2_8_L_0									
43 D	17.02	4.5358E-05	159.6	85.08	159.6	85.09	UL-RL	3.3134E+04	-8.400	0.000	1.000	1.000
85.08	0.000	0.000	Strato1_2_8_L_0									
44 D	17.42	4.3499E-05	163.4	87.08	163.4	87.08	UL-RL	3.3134E+04	-8.600	0.000	1.000	1.000
87.08	0.000	0.000	Strato1_2_8_L_0									
45 D	16.93	4.1666E-05	167.3	84.66	167.3	84.67	UL-RL	7.3205E+04	-8.800	0.000	1.000	1.000
84.66	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.32	3.9882E-05	171.3	86.61	171.3	86.63	UL-RL	7.3205E+04	-9.000	0.000	1.000	1.000
86.61	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.71	3.8166E-05	175.3	88.57	175.3	88.59	UL-RL	7.3205E+04	-9.200	0.000	1.000	1.000
88.57	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.11	3.6535E-05	179.3	90.53	179.3	90.54	UL-RL	7.3205E+04	-9.400	0.000	1.000	1.000
90.53	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.50	3.5000E-05	183.3	92.50	183.3	92.51	UL-RL	7.3205E+04	-9.600	0.000	1.000	1.000
92.50	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.89	3.3569E-05	187.3	94.46	187.3	94.47	UL-RL	7.3205E+04	-9.800	0.000	1.000	1.000
94.46	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.29	3.2247E-05	191.3	96.43	191.3	96.44	UL-RL	7.3205E+04	-10.00	0.000	1.000	1.000
96.43	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.68	3.1035E-05	195.3	98.40	195.3	98.41	UL-RL	7.3205E+04	-10.20	0.000	1.000	1.000
98.40	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.08	2.9935E-05	199.3	100.4	199.3	100.4	UL-RL	7.3205E+04	-10.40	0.000	1.000	1.000
100.4	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.47	2.8944E-05	203.3	102.4	203.3	102.4	UL-RL	7.3205E+04	-10.60	0.000	1.000	1.000
102.4	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.87	2.8060E-05	207.3	104.3	207.3	104.3	UL-RL	7.3205E+04	-10.80	0.000	1.000	1.000
104.3	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.26	2.7278E-05	211.3	106.3	211.3	106.3	UL-RL	7.3205E+04	-11.00	0.000	1.000	1.000
106.3	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.66	2.6594E-05	215.3	108.3	215.3	108.3	UL-RL	7.3205E+04	-11.20	0.000	1.000	1.000
108.3	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.06	2.6001E-05	219.3	110.3	219.3	110.3	UL-RL	7.3205E+04	-11.40	0.000	1.000	1.000

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110.3      0.000      0.000     Strato2_3095_82743_L_0
 59 D   22.45    2.5493E-05  223.3      112.3      223.3      112.3            UL-RL  7.3205E+04  -11.60      0.000      1.000      1.000
112.3      0.000      0.000     Strato2_3095_82743_L_0
 60 D   22.85    2.5063E-05  227.3      114.3      227.3      114.3            UL-RL  7.3205E+04  -11.80      0.000      1.000      1.000
114.3      0.000      0.000     Strato2_3095_82743_L_0
 61 D   23.25    2.4706E-05  231.3      116.3      231.3      116.3              V-C  2.4402E+04  -12.00      0.000      1.000      1.000
116.3      0.000      0.000     Strato2_3095_82743_L_0
 62 D   23.65    2.4413E-05  235.3      118.2      235.3      118.2              V-C  2.4402E+04  -12.20      0.000      1.000      1.000
118.2      0.000      0.000     Strato2_3095_82743_L_0
 63 D   24.05    2.4179E-05  239.3      120.2      239.3      120.2              V-C  2.4402E+04  -12.40      0.000      1.000      1.000
120.2      0.000      0.000     Strato2_3095_82743_L_0
 64 D   24.45    2.3997E-05  243.3      122.2      243.3      122.2              V-C  2.4402E+04  -12.60      0.000      1.000      1.000
122.2      0.000      0.000     Strato2_3095_82743_L_0
 65 D   24.85    2.3862E-05  247.3      124.2      247.3      124.2              V-C  2.4402E+04  -12.80      0.000      1.000      1.000
124.2      0.000      0.000     Strato2_3095_82743_L_0
 66 D   25.25    2.3766E-05  251.3      126.2      251.3      126.2              V-C  2.4402E+04  -13.00      0.000      1.000      1.000
126.2      0.000      0.000     Strato2_3095_82743_L_0
 67 D   25.65    2.3705E-05  255.3      128.2      255.3      128.2              V-C  2.4402E+04  -13.20      0.000      1.000      1.000
128.2      0.000      0.000     Strato2_3095_82743_L_0
 68 D   26.05    2.3674E-05  259.3      130.2      259.3      130.2              V-C  2.4402E+04  -13.40      0.000      1.000      1.000
130.2      0.000      0.000     Strato2_3095_82743_L_0
 69 D   26.45    2.3667E-05  263.3      132.2      263.3      132.2              V-C  2.4402E+04  -13.60      0.000      1.000      1.000
132.2      0.000      0.000     Strato2_3095_82743_L_0
 70 D   26.85    2.3682E-05  267.3      134.2      267.3      134.2              V-C  2.4402E+04  -13.80      0.000      1.000      1.000
134.2      0.000      0.000     Strato2_3095_82743_L_0
 71 D   27.25    2.3714E-05  271.3      136.2      271.3      136.2              V-C  2.4402E+04  -14.00      0.000      1.000      1.000
136.2      0.000      0.000     Strato2_3095_82743_L_0
 72 D   27.65    2.3759E-05  275.3      138.2      275.3      138.2              V-C  2.4402E+04  -14.20      0.000      1.000      1.000
138.2      0.000      0.000     Strato2_3095_82743_L_0
 73 D   28.05    2.3816E-05  279.3      140.2      279.3      140.2              V-C  2.4402E+04  -14.40      0.000      1.000      1.000
140.2      0.000      0.000     Strato2_3095_82743_L_0
 74 D   28.45    2.3880E-05  283.3      142.2      283.3      142.2              V-C  2.4402E+04  -14.60      0.000      1.000      1.000
142.2      0.000      0.000     Strato2_3095_82743_L_0
 75 D   28.85    2.3951E-05  287.3      144.2      287.3      144.2              V-C  2.4402E+04  -14.80      0.000      1.000      1.000
144.2      0.000      0.000     Strato2_3095_82743_L_0
 76 D   29.25    2.4027E-05  291.3      146.2      291.3      146.2              V-C  2.4402E+04  -15.00      0.000      1.000      1.000
146.2      0.000      0.000     Strato2_3095_82743_L_0
 77 D   29.65    2.4105E-05  295.3      148.2      295.3      148.2              V-C  2.4402E+04  -15.20      0.000      1.000      1.000
148.2      0.000      0.000     Strato2_3095_82743_L_0
 78 D   30.05    2.4185E-05  299.3      150.2      299.3      150.2              V-C  2.4402E+04  -15.40      0.000      1.000      1.000
150.2      0.000      0.000     Strato2_3095_82743_L_0
 79 D   30.45    2.4266E-05  303.3      152.2      303.3      152.2              V-C  2.4402E+04  -15.60      0.000      1.000      1.000
152.2      0.000      0.000     Strato2_3095_82743_L_0
 80 D   30.85    2.4348E-05  307.3      154.2      307.3      154.2              V-C  2.4402E+04  -15.80      0.000      1.000      1.000
154.2      0.000      0.000     Strato2_3095_82743_L_0
 81 D   15.62    2.4430E-05  311.3      156.2      311.3      156.2              V-C  2.4402E+04  -16.00      0.000      1.000      1.000
156.2      0.000      0.000     Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                        |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                 Exe Time :29 July 2019      18:01:11                                                  |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                    :
ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP    80
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL       TA          TB           MA           MB
-----------------------------------------------------
    1 0.35082     -0.35082     2.36700E-13 7.01632E-02
    2 0.37577     -0.37577    -7.01632E-02 0.14532
    3 0.29892     -0.29892    -0.14532     0.20510
    4 0.18122     -0.18122    -0.20510     0.24135
    5 9.59534E-02-9.59534E-02-0.24135     0.26054
    6 3.30517E-02-3.30517E-02-0.26054     0.26715
    7-1.28623E-02 1.28623E-02-0.26715     0.26457
    8-4.50320E-02 4.50320E-02-0.26457     0.25557
    9-0.14753      0.14753    -0.25557     0.22606
   10-0.23078      0.23078    -0.22606     0.17991
   11-0.29770      0.29770    -0.17991     0.12037
   12-0.35040      0.35040    -0.12037     5.02874E-02
   13-0.39047      0.39047    -5.02874E-02-2.78058E-02
   14-0.41911      0.41911     2.78058E-02-0.11163
   15-0.43724      0.43724     0.11163    -0.19907
```

```
   16-0.49084     0.49084     0.19907    -0.29724
   17-0.53217     0.53217     0.29724    -0.40368
   18-0.56190     0.56190     0.40368    -0.51606
   19-0.58052     0.58052     0.51606    -0.63216
   20-0.58834     0.58834     0.63216    -0.74983
   21-0.58551     0.58551     0.74983    -0.86693
   22-0.57204     0.57204     0.86693    -0.98134
   23-0.54784     0.54784     0.98134     -1.0909
   24-0.54255     0.54255      1.0909     -1.1994
   25-0.52468     0.52468      1.1994     -1.3044
   26-0.49389     0.49389      1.3044     -1.4031
   27-0.44979     0.44979      1.4031     -1.4931
   28-0.39187     0.39187      1.4931     -1.5715
   29-0.31955     0.31955      1.5715     -1.6354
   30-0.23217     0.23217      1.6354     -1.6818
   31-0.15212     0.15212      1.6818     -1.7122
   32-5.47657E-02 5.47657E-02  1.7122     -1.7232
   33 6.06354E-02-6.06354E-02  1.7232     -1.7111
   34 0.19484    -0.19484      1.7111     -1.6721
   35 0.34864    -0.34864      1.6721     -1.6024
   36 0.52278    -0.52278      1.6024     -1.4978
   37 0.71801    -0.71801      1.4978     -1.3542
   38 0.93504    -0.93504      1.3542     -1.1672
   39  1.1562     -1.1562      1.1672    -0.93596
   40  1.4008     -1.4008     0.93596    -0.65580
   41  1.6692     -1.6692     0.65580    -0.32195
   42  1.9617     -1.9617     0.32195     7.03910E-02
   43  2.2784     -2.2784    -7.03910E-02 0.52606
   44  2.6190     -2.6190    -0.52606     1.0498
   45  2.0958     -2.0958     -1.0498     1.4690
   46  1.6168     -1.6168     -1.4690     1.7924
   47  1.1945     -1.1945     -1.7924     2.0313
   48 0.82628    -0.82628     -2.0313     2.1965
   49 0.50889    -0.50889     -2.1965     2.2983
   50 0.23897    -0.23897     -2.2983     2.3461
   51 1.29861E-02-1.29861E-02 -2.3461     2.3487
   52-0.17269     0.17269     -2.3487     2.3142
   53-0.32165     0.32165     -2.3142     2.2498
   54-0.44990     0.44990     -2.2498     2.1598
   55-0.54822     0.54822     -2.1598     2.0502
   56-0.61994     0.61994     -2.0502     1.9262
   57-0.66822     0.66822     -1.9262     1.7926
   58-0.69603     0.69603     -1.7926     1.6534
   59-0.70615     0.70615     -1.6534     1.5121
   60-0.70113     0.70113     -1.5121     1.3719
   61-0.69431     0.69431     -1.3719     1.2330
   62-0.67661     0.67661     -1.2330     1.0977
   63-0.64997     0.64997     -1.0977    0.96773
   64-0.61609     0.61609    -0.96773    0.84451
   65-0.57648     0.57648    -0.84451    0.72922
   66-0.53248     0.53248    -0.72922    0.62272
   67-0.48522     0.48522    -0.62272    0.52567
   68-0.43570     0.43570    -0.52567    0.43853
   69-0.39446     0.39446    -0.43853    0.35964
   70-0.35235     0.35235    -0.35964    0.28917
   71-0.30995     0.30995    -0.28917    0.22718
   72-0.26773     0.26773    -0.22718    0.17364
   73-0.22609     0.22609    -0.17364    0.12842
   74-0.18531     0.18531    -0.12842    9.13562E-02
   75-0.14564     0.14564    -9.13562E-02 6.22281E-02
   76-0.11605     0.11605    -6.22281E-02 3.90174E-02
   77-8.77415E-02 8.77415E-02-3.90174E-02 2.14691E-02
   78-6.07981E-02 6.07981E-02-2.14691E-02 9.30948E-03
   79-3.52885E-02 3.52885E-02-9.30948E-03 2.25178E-03
   80-1.12583E-02 1.12583E-02-2.25178E-03-3.55840E-13


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                                 |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                  |
|                                 Exe Time :29 July 2019      18:01:11                                            |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
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         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM= 953.1     REMNOR=0.2432E-22 RATIO =0.1450     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.1450     RATIOR= 0.000
           MAX UN= 7.413     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.1699E-10 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM= 89.03     REMNOR=0.1068E-19 RATIO =0.4431E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.4431E-01 RATIOR= 0.000
           MAX UN= 4.043     IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.4401E-03 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM= 71.92     REMNOR=0.5286E-19 RATIO =0.3983E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.3983E-01 RATIOR= 0.000
           MAX UN= 4.857     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.2192E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM= 8.964     REMNOR=0.2134E-19 RATIO =0.1406E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.1406E-01 RATIOR= 0.000
           MAX UN= 2.318     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1583E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM=0.1373E-01 REMNOR=0.3686E-19 RATIO =0.5502E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.5502E-03 RATIOR= 0.000
           MAX UN=0.1172     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.9999E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4535E+05 RIMNOR= 225.0
           RENORM=0.1182E-16 REMNOR=0.3265E-19 RATIO =0.1615E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.87     RMMAX = 2.349
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4535E+05 RDR   = 225.0
           RATIOT=0.1615E-10 RATIOR= 0.000
           MAX UN=0.1511E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.1890E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*    |
|                                                                                                             |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                              |
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| Exe Time :29 July 2019 18:01:11 |

New Project
SOLUTION REACHED USING 6 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 3 (AT TIME 3.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	6.0928634E-03	-9.1988121E-04	
2	5.9088877E-03	-9.1987288E-04	
3	5.7249163E-03	-9.1983349E-04	
4	5.5409588E-03	-9.1972708E-04	
5	5.3570332E-03	-9.1950445E-04	
6	5.1731688E-03	-9.1910439E-04	
7	4.9894081E-03	-9.1845413E-04	
8	4.8058094E-03	-9.1746956E-04	
9	4.6224489E-03	-9.1605532E-04	
10	4.4394230E-03	-9.1410601E-04	
11	4.2568499E-03	-9.1150610E-04	
12	4.0748724E-03	-9.0812873E-04	
13	3.8936595E-03	-9.0383582E-04	
14	3.7134090E-03	-8.9847806E-04	
15	3.5343499E-03	-8.9189500E-04	
16	3.3567442E-03	-8.8391505E-04	
17	3.1808892E-03	-8.7435611E-04	
18	3.0071198E-03	-8.6302558E-04	
19	2.8358106E-03	-8.4971970E-04	
20	2.6673780E-03	-8.3422357E-04	
21	2.5022798E-03	-8.1634765E-04	
22	2.3410036E-03	-7.9600064E-04	
23	2.1840414E-03	-7.7322600E-04	
24	2.0318639E-03	-7.4820205E-04	
25	1.8848945E-03	-7.2118190E-04	
26	1.7435068E-03	-6.9242752E-04	
27	1.6080215E-03	-6.6220222E-04	
28	1.4787063E-03	-6.3077101E-04	
29	1.3557763E-03	-5.9840109E-04	
30	1.2393911E-03	-5.6536145E-04	
31	1.1296582E-03	-5.3192416E-04	
32	1.0266304E-03	-4.9835254E-04	
33	9.3031012E-04	-4.6488728E-04	
34	8.4065402E-04	-4.3174446E-04	
35	7.5757837E-04	-3.9911730E-04	
36	6.8096172E-04	-3.6717712E-04	
37	6.1065160E-04	-3.3607585E-04	
38	5.4646656E-04	-3.0594692E-04	
39	4.8820023E-04	-2.7690690E-04	
40	4.3562468E-04	-2.4905749E-04	
41	3.8849228E-04	-2.2248637E-04	
42	3.4653989E-04	-1.9726892E-04	
43	3.0949022E-04	-1.7346893E-04	
44	2.7705425E-04	-1.5113994E-04	
45	2.4893334E-04	-1.3032654E-04	
46	2.2482100E-04	-1.1105489E-04	
47	2.0440844E-04	-9.3327352E-05	
48	1.8738825E-04	-7.7126953E-05	
49	1.7345809E-04	-6.2420129E-05	
50	1.6232383E-04	-4.9159612E-05	
51	1.5370179E-04	-3.7286723E-05	
52	1.4732123E-04	-2.6734275E-05	
53	1.4292517E-04	-1.7427571E-05	
54	1.4027242E-04	-9.2875899E-06	
55	1.3913784E-04	-2.2320607E-06	
56	1.3931289E-04	3.8228730E-06	
57	1.4060591E-04	8.9616944E-06	
58	1.4284209E-04	1.3268426E-05	
59	1.4586332E-04	1.6825700E-05	
60	1.4952777E-04	1.9713979E-05	
61	1.5370948E-04	2.2010899E-05	
62	1.5829765E-04	2.3790482E-05	
63	1.6319585E-04	2.5122706E-05	
64	1.6832129E-04	2.6073440E-05	
65	1.7360390E-04	2.6704185E-05	
66	1.7898543E-04	2.7071886E-05	
67	1.8441860E-04	2.7228802E-05	
68	1.8986607E-04	2.7222426E-05	
69	1.9529953E-04	2.7095444E-05	
70	2.0069871E-04	2.6885489E-05	
71	2.0605037E-04	2.6625163E-05	
72	2.1134728E-04	2.6342296E-05	
73	2.1658732E-04	2.6059984E-05	
74	2.2177253E-04	2.5796637E-05	

75	2.2690816E-04	2.5566025E-05
76	2.3200174E-04	2.5377321E-05
77	2.3706218E-04	2.5234935E-05
78	2.4209878E-04	2.5138546E-05
79	2.4712034E-04	2.5083349E-05
80	2.5213425E-04	2.5060065E-05
81	2.5714583E-04	2.5054964E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484
Exe Time :29 July 2019 18:01:11

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3508	-6.0929E-03	11.54	3.508	11.54	6.116	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.508	0.000	0.000	Strato1_2_8_L_0
2 D	0.6070	-5.9089E-03	9.984	3.035	9.984	5.292	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.035	0.000	0.000	Strato1_2_8_L_0
3 D	0.9069	-5.7249E-03	14.92	4.534	14.92	7.906	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.534	0.000	0.000	Strato1_2_8_L_0
4 D	1.166	-5.5410E-03	19.18	5.830	19.18	10.16	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	5.830	0.000	0.000	Strato1_2_8_L_0
5 D	1.412	-5.3570E-03	23.23	7.061	23.23	12.31	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	7.061	0.000	0.000	Strato1_2_8_L_0
6 D	1.653	-5.1732E-03	27.18	8.264	27.18	14.41	ACTIVE	0.000	-1.000	0.000	1.000	1.000	8.264	0.000	0.000	Strato1_2_8_L_0
7 D	1.890	-4.9894E-03	31.09	9.452	31.09	16.48	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.452	0.000	0.000	Strato1_2_8_L_0
8 D	2.126	-4.8058E-03	34.97	10.63	34.97	18.53	ACTIVE	0.000	-1.400	0.000	1.000	1.000	10.63	0.000	0.000	Strato1_2_8_L_0
9 D	2.314	-4.6224E-03	38.06	11.57	38.06	20.17	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.57	0.000	0.000	Strato1_2_8_L_0
10 D	2.553	-4.4394E-03	41.99	12.76	41.99	22.25	ACTIVE	0.000	-1.800	0.000	1.000	1.000	12.76	0.000	0.000	Strato1_2_8_L_0
11 D	2.790	-4.2568E-03	45.89	13.95	45.89	24.32	ACTIVE	0.000	-2.000	0.000	1.000	1.000	13.95	0.000	0.000	Strato1_2_8_L_0
12 D	3.027	-4.0749E-03	49.78	15.13	49.78	26.38	ACTIVE	0.000	-2.200	0.000	1.000	1.000	15.13	0.000	0.000	Strato1_2_8_L_0
13 D	3.262	-3.8937E-03	53.65	16.31	53.65	28.44	ACTIVE	0.000	-2.400	0.000	1.000	1.000	16.31	0.000	0.000	Strato1_2_8_L_0
14 D	3.497	-3.7134E-03	57.51	17.48	57.51	30.48	ACTIVE	0.000	-2.600	0.000	1.000	1.000	17.48	0.000	0.000	Strato1_2_8_L_0
15 D	3.731	-3.5343E-03	61.37	18.66	61.37	32.52	ACTIVE	0.000	-2.800	0.000	1.000	1.000	18.66	0.000	0.000	Strato1_2_8_L_0
16 D	3.939	-3.3567E-03	64.79	19.69	64.79	34.34	ACTIVE	0.000	-3.000	0.000	1.000	1.000	19.69	0.000	0.000	Strato1_2_8_L_0
17 D	4.174	-3.1809E-03	68.65	20.87	68.65	36.39	ACTIVE	0.000	-3.200	0.000	1.000	1.000	20.87	0.000	0.000	Strato1_2_8_L_0
18 D	4.409	-3.0071E-03	72.51	22.04	72.51	38.43	ACTIVE	0.000	-3.400	0.000	1.000	1.000	22.04	0.000	0.000	Strato1_2_8_L_0
19 D	4.643	-2.8358E-03	76.37	23.22	76.37	40.47	ACTIVE	0.000	-3.600	0.000	1.000	1.000	23.22	0.000	0.000	Strato1_2_8_L_0
20 D	4.877	-2.6674E-03	80.21	24.38	80.21	42.51	ACTIVE	0.000	-3.800	0.000	1.000	1.000	24.38	0.000	0.000	Strato1_2_8_L_0
21 D	5.111	-2.5023E-03	84.06	25.55	84.06	44.55	ACTIVE	0.000	-4.000	0.000	1.000	1.000	25.55	0.000	0.000	Strato1_2_8_L_0
22 D	5.344	-2.3410E-03	87.89	26.72	87.89	46.58	ACTIVE	0.000	-4.200	0.000	1.000	1.000	26.72	0.000	0.000	Strato1_2_8_L_0
23 D	5.577	-2.1840E-03	91.73	27.89	91.73	48.62	ACTIVE	0.000	-4.400	0.000	1.000	1.000	27.89	0.000	0.000	Strato1_2_8_L_0
24 D	5.793	-2.0319E-03	95.28	28.96	95.28	50.50	ACTIVE	0.000	-4.600	0.000	1.000	1.000	28.96	0.000	0.000	Strato1_2_8_L_0
25 D	6.027	-1.8849E-03	99.12	30.13	99.12	52.53	ACTIVE	0.000	-4.800	0.000	1.000	1.000	30.13	0.000	0.000	Strato1_2_8_L_0
26 D	6.260	-1.7435E-03	103.0	31.30	103.0	54.57	ACTIVE	0.000	-5.000	0.000	1.000	1.000				

31.30	0.000	0.000	Strato1_2_8_L_0									
27 D	6.493	-1.6080E-03	106.8	32.47	106.8	56.60	ACTIVE	0.000	-5.200	0.000	1.000	1.000
32.47	0.000	0.000	Strato1_2_8_L_0									
28 D	6.726	-1.4787E-03	110.6	33.63	110.6	58.63	ACTIVE	0.000	-5.400	0.000	1.000	1.000
33.63	0.000	0.000	Strato1_2_8_L_0									
29 D	6.959	-1.3558E-03	114.5	34.79	114.5	60.66	ACTIVE	0.000	-5.600	0.000	1.000	1.000
34.79	0.000	0.000	Strato1_2_8_L_0									
30 D	7.192	-1.2394E-03	118.3	35.96	118.3	62.69	ACTIVE	0.000	-5.800	0.000	1.000	1.000
35.96	0.000	0.000	Strato1_2_8_L_0									
31 D	7.907	-1.1297E-03	121.9	39.54	121.9	64.60	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
39.54	0.000	0.000	Strato1_2_8_L_0									
32 D	8.745	-1.0266E-03	125.7	43.73	125.7	66.63	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
43.73	0.000	0.000	Strato1_2_8_L_0									
33 D	9.556	-9.3031E-04	129.6	47.78	129.6	68.66	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
47.78	0.000	0.000	Strato1_2_8_L_0									
34 D	10.34	-8.4065E-04	133.4	51.69	133.4	70.69	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
51.69	0.000	0.000	Strato1_2_8_L_0									
35 D	11.10	-7.5758E-04	137.2	55.48	137.2	72.72	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
55.48	0.000	0.000	Strato1_2_8_L_0									
36 D	11.83	-6.8096E-04	141.0	59.13	141.0	74.75	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
59.13	0.000	0.000	Strato1_2_8_L_0									
37 D	12.53	-6.1065E-04	144.9	62.65	144.9	76.77	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
62.65	0.000	0.000	Strato1_2_8_L_0									
38 D	13.21	-5.4647E-04	148.7	66.04	148.7	78.80	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
66.04	0.000	0.000	Strato1_2_8_L_0									
39 D	13.85	-4.8820E-04	152.3	69.23	152.3	80.73	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
69.23	0.000	0.000	Strato1_2_8_L_0									
40 D	14.48	-4.3562E-04	156.2	72.39	156.2	82.76	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
72.39	0.000	0.000	Strato1_2_8_L_0									
41 D	15.09	-3.8849E-04	160.0	75.44	160.0	84.79	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
75.44	0.000	0.000	Strato1_2_8_L_0									
42 D	15.68	-3.4654E-04	163.8	78.38	163.8	86.81	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
78.38	0.000	0.000	Strato1_2_8_L_0									
43 D	16.24	-3.0949E-04	167.6	81.22	167.6	88.84	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
81.22	0.000	0.000	Strato1_2_8_L_0									
44 D	16.79	-2.7705E-04	171.4	83.96	171.4	90.86	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
83.96	0.000	0.000	Strato1_2_8_L_0									
45 D	13.99	-2.4893E-04	175.4	69.94	175.4	87.68	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
69.94	0.000	0.000	Strato2_3095_82743_L_0									
46 D	14.69	-2.2482E-04	179.2	73.43	179.2	89.61	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
73.43	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.35	-2.0441E-04	183.3	76.76	183.3	91.63	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
76.76	0.000	0.000	Strato2_3095_82743_L_0									
48 D	15.98	-1.8739E-04	187.3	79.89	187.3	93.64	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
79.89	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.57	-1.7346E-04	191.3	82.83	191.3	95.64	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
82.83	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.12	-1.6232E-04	195.3	85.60	195.3	97.65	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.60	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.64	-1.5370E-04	199.3	88.21	199.3	99.66	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
88.21	0.000	0.000	Strato2_3095_82743_L_0									
52 D	18.14	-1.4732E-04	203.3	90.69	203.3	101.7	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
90.69	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.61	-1.4293E-04	207.4	93.04	207.4	103.7	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
93.04	0.000	0.000	Strato2_3095_82743_L_0									
54 D	19.04	-1.4027E-04	211.2	95.21	211.2	105.6	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
95.21	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.47	-1.3914E-04	215.3	97.36	215.3	107.6	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
97.36	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.88	-1.3931E-04	219.3	99.41	219.3	109.6	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
99.41	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.28	-1.4061E-04	223.3	101.4	223.3	111.6	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
101.4	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.66	-1.4284E-04	227.3	103.3	227.3	113.7	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
103.3	0.000	0.000	Strato2_3095_82743_L_0									
59 D	21.04	-1.4586E-04	231.3	105.2	231.3	115.7	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
105.2	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.40	-1.4953E-04	235.3	107.0	235.3	117.7	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
107.0	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.75	-1.5371E-04	239.2	108.8	239.2	119.6	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
108.8	0.000	0.000	Strato2_3095_82743_L_0									
62 D	22.10	-1.5830E-04	243.3	110.5	243.3	121.6	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
110.5	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.45	-1.6320E-04	247.3	112.3	247.3	123.6	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
112.3	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.80	-1.6832E-04	251.3	114.0	251.3	125.6	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
114.0	0.000	0.000	Strato2_3095_82743_L_0									
65 D	23.14	-1.7360E-04	255.3	115.7	255.3	127.7	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000
115.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	23.48	-1.7899E-04	259.3	117.4	259.3	129.7	UL-RL	5.8408E+04	-13.00	0.000	1.000	1.000
117.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	23.82	-1.8442E-04	263.3	119.1	263.3	131.7	UL-RL	5.8408E+04	-13.20	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
68 D	24.15	-1.8987E-04	267.3	120.8	267.3	133.7	UL-RL	5.8408E+04	-13.40	0.000	1.000	1.000
120.8	0.000	0.000	Strato2_3095_82743_L_0									

69 D	24.48	-1.9530E-04	271.3	122.4	271.3	135.6	UL-RL	5.8408E+04	-13.60	0.000	1.000	1.000
122.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	24.82	-2.0070E-04	275.3	124.1	275.3	137.6	UL-RL	5.8408E+04	-13.80	0.000	1.000	1.000
124.1	0.000	0.000	Strato2_3095_82743_L_0									
71 D	25.16	-2.0605E-04	279.3	125.8	279.3	139.6	UL-RL	5.8408E+04	-14.00	0.000	1.000	1.000
125.8	0.000	0.000	Strato2_3095_82743_L_0									
72 D	25.50	-2.1135E-04	283.3	127.5	283.3	141.6	UL-RL	5.8408E+04	-14.20	0.000	1.000	1.000
127.5	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.84	-2.1659E-04	287.3	129.2	287.3	143.7	UL-RL	5.8408E+04	-14.40	0.000	1.000	1.000
129.2	0.000	0.000	Strato2_3095_82743_L_0									
74 D	26.18	-2.2177E-04	291.3	130.9	291.3	145.7	UL-RL	5.8408E+04	-14.60	0.000	1.000	1.000
130.9	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.52	-2.2691E-04	295.3	132.6	295.3	147.7	UL-RL	5.8408E+04	-14.80	0.000	1.000	1.000
132.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.85	-2.3200E-04	299.3	134.2	299.3	149.6	UL-RL	5.8408E+04	-15.00	0.000	1.000	1.000
134.2	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.19	-2.3706E-04	303.3	135.9	303.3	151.6	UL-RL	5.8408E+04	-15.20	0.000	1.000	1.000
135.9	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.53	-2.4210E-04	307.3	137.6	307.3	153.6	UL-RL	5.8408E+04	-15.40	0.000	1.000	1.000
137.6	0.000	0.000	Strato2_3095_82743_L_0									
79 D	27.87	-2.4712E-04	311.3	139.4	311.3	155.6	UL-RL	5.8408E+04	-15.60	0.000	1.000	1.000
139.4	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.21	-2.5213E-04	315.3	141.1	315.3	157.7	UL-RL	5.8408E+04	-15.80	0.000	1.000	1.000
141.1	0.000	0.000	Strato2_3095_82743_L_0									
81 D	14.28	-2.5715E-04	319.3	142.8	319.3	159.7	UL-RL	5.8408E+04	-16.00	0.000	1.000	1.000
142.8	0.000	0.000	Strato2_3095_82743_L_0									

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:01:11

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									

17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000
0.000	not available													
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000
0.000	not available													
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000
0.000	not available													
20 D	1.536	2.6674E-03	1.900	7.678	72.20	39.07	PASSIVE	0.000	-3.800	0.000	1.000	1.000	7.678	0.000
0.000	Strato1_2_8_L_0													
21 D	4.607	2.5023E-03	5.700	23.03	76.00	41.08	PASSIVE	0.000	-4.000	0.000	1.000	1.000	23.03	0.000
0.000	Strato1_2_8_L_0													
22 D	7.678	2.3410E-03	9.500	38.39	79.80	43.09	PASSIVE	0.000	-4.200	0.000	1.000	1.000	38.39	0.000
0.000	Strato1_2_8_L_0													
23 D	10.75	2.1840E-03	13.30	53.75	83.60	53.75	PASSIVE	0.000	-4.400	0.000	1.000	1.000	53.75	0.000
0.000	Strato1_2_8_L_0													
24 D	11.29	2.0319E-03	17.10	56.47	87.40	56.47	V-C	4776.	-4.600	0.000	1.000	1.000	56.47	0.000
0.000	Strato1_2_8_L_0													
25 D	11.56	1.8849E-03	20.90	57.78	91.20	57.78	V-C	4776.	-4.800	0.000	1.000	1.000	57.78	0.000
0.000	Strato1_2_8_L_0													
26 D	11.82	1.7435E-03	24.70	59.11	95.00	59.11	V-C	4776.	-5.000	0.000	1.000	1.000	59.11	0.000
0.000	Strato1_2_8_L_0													
27 D	12.09	1.6080E-03	28.50	60.47	98.80	60.47	V-C	4776.	-5.200	0.000	1.000	1.000	60.47	0.000
0.000	Strato1_2_8_L_0													
28 D	12.37	1.4787E-03	32.30	61.86	102.6	61.86	V-C	4776.	-5.400	0.000	1.000	1.000	61.86	0.000
0.000	Strato1_2_8_L_0													
29 D	12.66	1.3558E-03	36.10	63.28	106.4	63.28	V-C	4776.	-5.600	0.000	1.000	1.000	63.28	0.000
0.000	Strato1_2_8_L_0													
30 D	12.95	1.2394E-03	39.90	64.74	110.2	64.74	V-C	4776.	-5.800	0.000	1.000	1.000	64.74	0.000
0.000	Strato1_2_8_L_0													
31 D	13.24	1.1297E-03	43.70	66.22	114.0	66.22	V-C	4776.	-6.000	0.000	1.000	1.000	66.22	0.000
0.000	Strato1_2_8_L_0													
32 D	13.55	1.0266E-03	47.50	67.73	117.8	67.73	V-C	4776.	-6.200	0.000	1.000	1.000	67.73	0.000
0.000	Strato1_2_8_L_0													
33 D	13.86	9.3031E-04	51.30	69.28	121.6	69.28	V-C	4776.	-6.400	0.000	1.000	1.000	69.28	0.000
0.000	Strato1_2_8_L_0													
34 D	14.17	8.4065E-04	55.10	70.86	125.4	70.86	V-C	4776.	-6.600	0.000	1.000	1.000	70.86	0.000
0.000	Strato1_2_8_L_0													
35 D	14.49	7.5758E-04	58.90	72.46	129.2	72.46	V-C	4776.	-6.800	0.000	1.000	1.000	72.46	0.000
0.000	Strato1_2_8_L_0													
36 D	14.82	6.8096E-04	62.70	74.10	133.0	74.10	V-C	4776.	-7.000	0.000	1.000	1.000	74.10	0.000
0.000	Strato1_2_8_L_0													
37 D	15.15	6.1065E-04	66.50	75.77	136.8	75.77	V-C	4776.	-7.200	0.000	1.000	1.000	75.77	0.000
0.000	Strato1_2_8_L_0													
38 D	15.49	5.4647E-04	70.30	77.47	140.6	77.47	V-C	4776.	-7.400	0.000	1.000	1.000	77.47	0.000
0.000	Strato1_2_8_L_0													
39 D	15.84	4.8820E-04	74.10	79.19	144.4	79.19	V-C	4776.	-7.600	0.000	1.000	1.000	79.19	0.000
0.000	Strato1_2_8_L_0													
40 D	16.19	4.3562E-04	77.90	80.95	148.2	80.95	V-C	4776.	-7.800	0.000	1.000	1.000	80.95	0.000
0.000	Strato1_2_8_L_0													
41 D	16.54	3.8849E-04	81.70	82.72	152.0	82.72	V-C	4776.	-8.000	0.000	1.000	1.000	82.72	0.000
0.000	Strato1_2_8_L_0													
42 D	16.91	3.4654E-04	85.50	84.53	155.8	84.53	V-C	4776.	-8.200	0.000	1.000	1.000	84.53	0.000
0.000	Strato1_2_8_L_0													
43 D	17.27	3.0949E-04	89.30	86.35	159.6	86.35	V-C	4776.	-8.400	0.000	1.000	1.000	86.35	0.000
0.000	Strato1_2_8_L_0													
44 D	17.64	2.7705E-04	93.10	88.20	163.4	88.20	V-C	4776.	-8.600	0.000	1.000	1.000	88.20	0.000
0.000	Strato1_2_8_L_0													
45 D	14.25	2.4893E-04	97.00	71.26	167.3	84.67	UL-RL	3.1656E+04	-8.800	0.000	1.000	1.000	71.26	0.000
0.000	Strato2_3095_82743_L_0													
46 D	14.52	2.2482E-04	101.0	72.59	171.3	86.63	UL-RL	3.1656E+04	-9.000	0.000	1.000	1.000	72.59	0.000
0.000	Strato2_3095_82743_L_0													
47 D	14.80	2.0441E-04	105.0	74.02	175.3	88.59	UL-RL	3.1656E+04	-9.200	0.000	1.000	1.000	74.02	0.000
0.000	Strato2_3095_82743_L_0													
48 D	15.11	1.8739E-04	109.0	75.56	179.3	90.54	UL-RL	3.1656E+04	-9.400	0.000	1.000	1.000	75.56	0.000
0.000	Strato2_3095_82743_L_0													
49 D	15.44	1.7346E-04	113.0	77.19	183.3	92.51	UL-RL	3.1656E+04	-9.600	0.000	1.000	1.000	77.19	0.000
0.000	Strato2_3095_82743_L_0													
50 D	15.78	1.6232E-04	117.0	78.91	187.3	94.47	UL-RL	3.1656E+04	-9.800	0.000	1.000	1.000	78.91	0.000
0.000	Strato2_3095_82743_L_0													
51 D	16.14	1.5370E-04	121.0	80.70	191.3	96.44	UL-RL	3.1656E+04	-10.00	0.000	1.000	1.000	80.70	0.000
0.000	Strato2_3095_82743_L_0													
52 D	16.51	1.4732E-04	125.0	82.56	195.3	98.41	UL-RL	3.1656E+04	-10.20	0.000	1.000	1.000	82.56	0.000
0.000	Strato2_3095_82743_L_0													
53 D	16.90	1.4293E-04	129.0	84.48	199.3	100.4	UL-RL	3.1656E+04	-10.40	0.000	1.000	1.000	84.48	0.000
0.000	Strato2_3095_82743_L_0													
54 D	17.29	1.4027E-04	133.0	86.45	203.3	102.4	UL-RL	3.1656E+04	-10.60	0.000	1.000	1.000	86.45	0.000
0.000	Strato2_3095_82743_L_0													
55 D	17.69	1.3914E-04	137.0	88.46	207.3	104.3	UL-RL	3.1656E+04	-10.80	0.000	1.000	1.000	88.46	0.000
0.000	Strato2_3095_82743_L_0													
56 D	18.10	1.3931E-04	141.0	90.51	211.3	106.3	UL-RL	3.1656E+04	-11.00	0.000	1.000	1.000	90.51	0.000
0.000	Strato2_3095_82743_L_0													
57 D	18.52	1.4061E-04	145.0	92.60	215.3	108.3	UL-RL	3.1656E+04	-11.20	0.000	1.000	1.000	92.60	0.000
0.000	Strato2_3095_82743_L_0													
58 D	18.94	1.4284E-04	149.0	94.71	219.3	110.3	UL-RL	3.1656E+04	-11.40	0.000	1.000	1.000	94.71	0.000
0.000	Strato2_3095_82743_L_0													
59 D	19.37	1.4586E-04	153.0	96.85	223.3	112.3	UL-RL	3.1656E+04	-11.60	0.000	1.000	1.000	96.85	0.000

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96.85       0.000       0.000     Strato2_3095_82743_L_0
  60 D   19.80      1.4953E-04   157.0       99.01       227.3       114.3          UL-RL  3.1656E+04  -11.80       0.000       1.000       1.000
99.01       0.000       0.000     Strato2_3095_82743_L_0
  61 D   20.23      1.5371E-04   161.0       101.2       231.3       116.3          UL-RL  3.1656E+04  -12.00       0.000       1.000       1.000
101.2       0.000       0.000     Strato2_3095_82743_L_0
  62 D   20.67      1.5830E-04   165.0       103.4       235.3       118.2          UL-RL  3.1656E+04  -12.20       0.000       1.000       1.000
103.4       0.000       0.000     Strato2_3095_82743_L_0
  63 D   21.11      1.6320E-04   169.0       105.5       239.3       120.2          UL-RL  3.1656E+04  -12.40       0.000       1.000       1.000
105.5       0.000       0.000     Strato2_3095_82743_L_0
  64 D   21.55      1.6832E-04   173.0       107.7       243.3       122.2          UL-RL  3.1656E+04  -12.60       0.000       1.000       1.000
107.7       0.000       0.000     Strato2_3095_82743_L_0
  65 D   21.99      1.7360E-04   177.0       109.9       247.3       124.2          UL-RL  3.1656E+04  -12.80       0.000       1.000       1.000
109.9       0.000       0.000     Strato2_3095_82743_L_0
  66 D   22.43      1.7899E-04   181.0       112.1       251.3       126.2          UL-RL  3.1656E+04  -13.00       0.000       1.000       1.000
112.1       0.000       0.000     Strato2_3095_82743_L_0
  67 D   22.87      1.8442E-04   185.0       114.3       255.3       128.2          UL-RL  3.1656E+04  -13.20       0.000       1.000       1.000
114.3       0.000       0.000     Strato2_3095_82743_L_0
  68 D   23.31      1.8987E-04   189.0       116.5       259.3       130.2          UL-RL  3.1656E+04  -13.40       0.000       1.000       1.000
116.5       0.000       0.000     Strato2_3095_82743_L_0
  69 D   23.74      1.9530E-04   193.0       118.7       263.3       132.2          UL-RL  3.1656E+04  -13.60       0.000       1.000       1.000
118.7       0.000       0.000     Strato2_3095_82743_L_0
  70 D   24.18      2.0070E-04   197.0       120.9       267.3       134.2          UL-RL  3.1656E+04  -13.80       0.000       1.000       1.000
120.9       0.000       0.000     Strato2_3095_82743_L_0
  71 D   24.62      2.0605E-04   201.0       123.1       271.3       136.2          UL-RL  3.1656E+04  -14.00       0.000       1.000       1.000
123.1       0.000       0.000     Strato2_3095_82743_L_0
  72 D   25.06      2.1135E-04   205.0       125.3       275.3       138.2          UL-RL  3.1656E+04  -14.20       0.000       1.000       1.000
125.3       0.000       0.000     Strato2_3095_82743_L_0
  73 D   25.50      2.1659E-04   209.0       127.5       279.3       140.2          UL-RL  3.1656E+04  -14.40       0.000       1.000       1.000
127.5       0.000       0.000     Strato2_3095_82743_L_0
  74 D   25.93      2.2177E-04   213.0       129.7       283.3       142.2          UL-RL  3.1656E+04  -14.60       0.000       1.000       1.000
129.7       0.000       0.000     Strato2_3095_82743_L_0
  75 D   26.37      2.2691E-04   217.0       131.9       287.3       144.2          UL-RL  3.1656E+04  -14.80       0.000       1.000       1.000
131.9       0.000       0.000     Strato2_3095_82743_L_0
  76 D   26.81      2.3200E-04   221.0       134.0       291.3       146.2          UL-RL  3.1656E+04  -15.00       0.000       1.000       1.000
134.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   27.24      2.3706E-04   225.0       136.2       295.3       148.2          UL-RL  3.1656E+04  -15.20       0.000       1.000       1.000
136.2       0.000       0.000     Strato2_3095_82743_L_0
  78 D   27.68      2.4210E-04   229.0       138.4       299.3       150.2          UL-RL  3.1656E+04  -15.40       0.000       1.000       1.000
138.4       0.000       0.000     Strato2_3095_82743_L_0
  79 D   28.11      2.4712E-04   233.0       140.6       303.3       152.2          UL-RL  3.1656E+04  -15.60       0.000       1.000       1.000
140.6       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.55      2.5213E-04   237.0       142.7       307.3       154.2          UL-RL  3.1656E+04  -15.80       0.000       1.000       1.000
142.7       0.000       0.000     Strato2_3095_82743_L_0
  81 D   14.49      2.5715E-04   241.0       144.9       311.3       156.2          UL-RL  3.1656E+04  -16.00       0.000       1.000       1.000
144.9       0.000       0.000     Strato2_3095_82743_L_0
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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                   Exe Time :29 July 2019      18:01:11                                                        |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T   T I M E   I S      3.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------
     1 0.35082    -0.35082    -2.17004E-11 7.01632E-02
     2 0.95786    -0.95786    -7.01632E-02 0.26174
     3  1.8648     -1.8648     -0.26174     0.63469
     4  3.0308     -3.0308     -0.63469      1.2408
     5  4.4431     -4.4431      -1.2408      2.1295
     6  6.0959     -6.0959      -2.1295      3.3486
     7  7.9863     -7.9863      -3.3486      4.9459
     8  10.112     -10.112      -4.9459      6.9684
     9  12.426     -12.426      -6.9684      9.4536
    10  14.979     -14.979      -9.4536      12.449
    11  17.769     -17.769      -12.449      16.003
    12  20.796     -20.796      -16.003      20.162
    13  24.058     -24.058      -20.162      24.974
    14  27.555     -27.555      -24.974      30.485
    15  31.286     -31.286      -30.485      36.742
    16  35.225     -35.225      -36.742      43.787
    17  39.399     -39.399      -43.787      51.667
```

18	43.808	-43.808	-51.667	60.429
19	48.451	-48.451	-60.429	70.119
20	51.792	-51.792	-70.119	80.477
21	52.296	-52.296	-80.477	90.936
22	49.962	-49.962	-90.936	100.93
23	44.790	-44.790	-100.93	109.89
24	39.289	-39.289	-109.89	117.74
25	33.761	-33.761	-117.74	124.50
26	28.199	-28.199	-124.50	130.14
27	22.597	-22.597	-130.14	134.66
28	16.951	-16.951	-134.66	138.05
29	11.253	-11.253	-138.05	140.30
30	5.4974	-5.4974	-140.30	141.40
31	0.16074	-0.16074	-141.40	141.43
32	-4.6408	4.6408	-141.43	140.50
33	-8.9410	8.9410	-140.50	138.71
34	-12.773	12.773	-138.71	136.16
35	-16.171	16.171	-136.16	132.92
36	-19.166	19.166	-132.92	129.09
37	-21.791	21.791	-129.09	124.73
38	-24.076	24.076	-124.73	119.92
39	-26.070	26.070	-119.92	114.70
40	-27.781	27.781	-114.70	109.15
41	-29.239	29.239	-109.15	103.30
42	-30.468	30.468	-103.30	97.205
43	-31.495	31.495	-97.205	90.906
44	-32.341	32.341	-90.906	84.438
45	-32.605	32.605	-84.438	77.917
46	-32.437	32.437	-77.917	71.429
47	-31.890	31.890	-71.429	65.051
48	-31.024	31.024	-65.051	58.847
49	-29.896	29.896	-58.847	52.867
50	-28.557	28.557	-52.867	47.156
51	-27.055	27.055	-47.156	41.745
52	-25.429	25.429	-41.745	36.659
53	-23.717	23.717	-36.659	31.916
54	-21.963	21.963	-31.916	27.523
55	-20.184	20.184	-27.523	23.486
56	-18.405	18.405	-23.486	19.806
57	-16.645	16.645	-19.806	16.477
58	-14.924	14.924	-16.477	13.492
59	-13.256	13.256	-13.492	10.841
60	-11.654	11.654	-10.841	8.5099
61	-10.138	10.138	-8.5099	6.4823
62	-8.7059	8.7059	-6.4823	4.7411
63	-7.3634	7.3634	-4.7411	3.2684
64	-6.1153	6.1153	-3.2684	2.0453
65	-4.9648	4.9648	-2.0453	1.0524
66	-3.9140	3.9140	-1.0524	0.26957
67	-2.9643	2.9643	-0.26957	-0.32328
68	-2.1160	2.1160	0.32328	-0.74649
69	-1.3790	1.3790	0.74649	-1.0223
70	-0.74279	0.74279	1.0223	-1.1708
71	-0.20673	0.20673	1.1708	-1.2122
72	0.23012	-0.23012	1.2122	-1.1662
73	0.56875	-0.56875	1.1662	-1.0524
74	0.81012	-0.81012	1.0524	-0.89038
75	0.95516	-0.95516	0.89038	-0.69935
76	0.99583	-0.99583	0.69935	-0.50019
77	0.94173	-0.94173	0.50019	-0.31184
78	0.79333	-0.79333	0.31184	-0.15317
79	0.55098	-0.55098	0.15317	-4.29769E-02
80	0.21487	-0.21487	4.29769E-02	-4.92469E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:01:11                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
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***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1355E+06 RIMNOR=0.8201E+06
           RENORM= 8234.     REMNOR=0.3265E-19 RATIO =0.2465     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 141.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1355E+06 RDR   =0.8201E+06
           RATIOT=0.2465     RATIOR= 0.000
           MAX UN=0.1511E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1355E+06 RIMNOR=0.8201E+06
           RENORM= 8.804     REMNOR=0.4007E-19 RATIO =0.8061E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 141.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1355E+06 RDR   =0.8201E+06
           RATIOT=0.8061E-02 RATIOR= 0.000
           MAX UN=0.9660E-09 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-1.381     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1355E+06 RIMNOR=0.8201E+06
           RENORM=0.2909     REMNOR=0.2753E-19 RATIO =0.1465E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 141.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1355E+06 RDR   =0.8201E+06
           RATIOT=0.1465E-02 RATIOR= 0.000
           MAX UN=0.1702E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.4490     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1355E+06 RIMNOR=0.8201E+06
           RENORM=0.1113E-16 REMNOR=0.2714E-19 RATIO =0.9064E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 141.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1355E+06 RDR   =0.8201E+06
           RATIOT=0.9064E-11 RATIOR= 0.000
           MAX UN=0.1428E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1838E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.0939816E-03  -8.5317114E-04
    2   4.9233493E-03  -8.5314237E-04
    3   4.7527321E-03  -8.5300228E-04
    4   4.5821637E-03  -8.5263315E-04
    5   4.4117032E-03  -8.5189827E-04
    6   4.2414390E-03  -8.5064387E-04
    7   4.0714917E-03  -8.4869980E-04
    8   3.9020175E-03  -8.4587979E-04
    9   3.7332116E-03  -8.4198171E-04
   10   3.5653111E-03  -8.3678932E-04
   11   3.3985976E-03  -8.3007220E-04
   12   3.2334003E-03  -8.2158404E-04
   13   3.0700995E-03  -8.1106274E-04
   14   2.9091293E-03  -7.9823061E-04
   15   2.7509808E-03  -7.8279448E-04
   16   2.5962056E-03  -7.6444581E-04
   17   2.4454182E-03  -7.4286183E-04
   18   2.2991554E-03  -7.1986079E-04
   19   2.1574478E-03  -6.9725159E-04
   20   2.0202520E-03  -6.7468345E-04
   21   1.8875952E-03  -6.5180315E-04
   22   1.7595709E-03  -6.2832016E-04
   23   1.6363177E-03  -6.0407932E-04
   24   1.5179909E-03  -5.7907141E-04
   25   1.4047357E-03  -5.5337328E-04
   26   1.2966812E-03  -5.2708180E-04
   27   1.1939352E-03  -5.0030635E-04
   28   1.0965828E-03  -4.7316898E-04
   29   1.0046832E-03  -4.4580463E-04
   30   9.1826667E-04  -4.1836059E-04
   31   8.3733362E-04  -3.9099726E-04
   32   7.6185162E-04  -3.6387611E-04
   33   6.9175716E-04  -3.3714529E-04
   34   6.2695865E-04  -3.1093730E-04
   35   5.6733980E-04  -2.8537024E-04
   36   5.1276118E-04  -2.6054840E-04
   37   4.6306460E-04  -2.3656417E-04
   38   4.1807427E-04  -2.1349853E-04
   39   3.7759923E-04  -1.9142221E-04
   40   3.4143548E-04  -1.7039719E-04
   41   3.0936687E-04  -1.5047722E-04
   42   2.8116781E-04  -1.3170887E-04
   43   2.5660390E-04  -1.1413191E-04
   44   2.3543336E-04  -9.7780264E-05
   45   2.1740827E-04  -8.2682787E-05
   46   2.0227634E-04  -6.8845300E-05
   47   1.8978753E-04  -5.6247033E-05
   48   1.7969711E-04  -4.4855103E-05
   49   1.7176794E-04  -3.4626411E-05
   50   1.6577244E-04  -2.5509655E-05
   51   1.6149384E-04  -1.7446951E-05
   52   1.5872761E-04  -1.0375831E-05
   53   1.5728189E-04  -4.2299458E-06
   54   1.5697848E-04   1.0587808E-06
   55   1.5765286E-04   5.5593362E-06
   56   1.5915426E-04   9.3405155E-06
   57   1.6134564E-04   1.2470399E-05
   58   1.6410344E-04   1.5015657E-05
   59   1.6731724E-04   1.7040959E-05
   60   1.7088931E-04   1.8608502E-05
   61   1.7473408E-04   1.9777614E-05
   62   1.7877752E-04   2.0604188E-05
   63   1.8295640E-04   2.1140457E-05
   64   1.8721759E-04   2.1435081E-05
   65   1.9151732E-04   2.1533030E-05
   66   1.9582044E-04   2.1475508E-05
   67   2.0009965E-04   2.1299914E-05
```

68	2.0433477E-04	2.1039836E-05
69	2.0851194E-04	2.0725068E-05
70	2.1262287E-04	2.0381406E-05
71	2.1666404E-04	2.0030702E-05
72	2.2063590E-04	1.9691148E-05
73	2.2454221E-04	1.9377330E-05
74	2.2838928E-04	1.9100284E-05
75	2.3218528E-04	1.8867548E-05
76	2.3593953E-04	1.8683209E-05
77	2.3966182E-04	1.8547737E-05
78	2.4336167E-04	1.8458016E-05
79	2.4704765E-04	1.8407586E-05
80	2.5072667E-04	1.8386664E-05
81	2.5440359E-04	1.8382149E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A1M1R1_3484

Exe Time :29 July 2019 18:01:11

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.212	-5.0940E-03	11.54	12.12	11.54	12.12	V-C	6882.	0.000	0.000	1.000	1.000	12.12	0.000	0.000	Strato1_2_8_L_0
2 D	2.264	-4.9233E-03	9.984	11.32	9.984	11.32	V-C	6882.	-0.2000	0.000	1.000	1.000	11.32	0.000	0.000	Strato1_2_8_L_0
3 D	2.695	-4.7527E-03	14.92	13.47	14.92	13.47	V-C	6882.	-0.4000	0.000	1.000	1.000	13.47	0.000	0.000	Strato1_2_8_L_0
4 D	3.064	-4.5822E-03	19.18	15.32	19.18	15.32	V-C	6882.	-0.6000	0.000	1.000	1.000	15.32	0.000	0.000	Strato1_2_8_L_0
5 D	3.413	-4.4117E-03	23.23	17.07	23.23	17.07	V-C	6882.	-0.8000	0.000	1.000	1.000	17.07	0.000	0.000	Strato1_2_8_L_0
6 D	3.754	-4.2414E-03	27.18	18.77	27.18	18.77	V-C	6882.	-1.000	0.000	1.000	1.000	18.77	0.000	0.000	Strato1_2_8_L_0
7 D	4.091	-4.0715E-03	31.09	20.45	31.09	20.45	V-C	6882.	-1.200	0.000	1.000	1.000	20.45	0.000	0.000	Strato1_2_8_L_0
8 D	4.424	-3.9020E-03	34.97	22.12	34.97	22.12	V-C	6882.	-1.400	0.000	1.000	1.000	22.12	0.000	0.000	Strato1_2_8_L_0
9 D	4.684	-3.7332E-03	38.06	23.42	38.06	23.42	V-C	6882.	-1.600	0.000	1.000	1.000	23.42	0.000	0.000	Strato1_2_8_L_0
10 D	5.021	-3.5653E-03	41.99	25.11	41.99	25.11	V-C	6882.	-1.800	0.000	1.000	1.000	25.11	0.000	0.000	Strato1_2_8_L_0
11 D	5.355	-3.3986E-03	45.89	26.77	45.89	26.77	V-C	6882.	-2.000	0.000	1.000	1.000	26.77	0.000	0.000	Strato1_2_8_L_0
12 D	5.685	-3.2334E-03	49.78	28.42	49.78	28.42	V-C	6882.	-2.200	0.000	1.000	1.000	28.42	0.000	0.000	Strato1_2_8_L_0
13 D	6.012	-3.0701E-03	53.65	30.06	53.65	30.06	V-C	6882.	-2.400	0.000	1.000	1.000	30.06	0.000	0.000	Strato1_2_8_L_0
14 D	6.337	-2.9091E-03	57.51	31.69	57.51	31.69	V-C	6882.	-2.600	0.000	1.000	1.000	31.69	0.000	0.000	Strato1_2_8_L_0
15 D	6.659	-2.7510E-03	61.37	33.29	61.37	33.29	V-C	6882.	-2.800	0.000	1.000	1.000	33.29	0.000	0.000	Strato1_2_8_L_0
16 D	6.938	-2.5962E-03	64.79	34.69	64.79	34.69	V-C	6882.	-3.000	0.000	1.000	1.000	34.69	0.000	0.000	Strato1_2_8_L_0
17 D	7.211	-2.4454E-03	68.65	36.06	68.65	36.39	UL-RL	2.0647E+04	-3.200	0.000	1.000	1.000	36.06	0.000	0.000	Strato1_2_8_L_0
18 D	7.332	-2.2992E-03	72.51	36.66	72.51	38.43	UL-RL	2.0647E+04	-3.400	0.000	1.000	1.000	36.66	0.000	0.000	Strato1_2_8_L_0
19 D	7.444	-2.1574E-03	76.37	37.22	76.37	40.47	UL-RL	2.0647E+04	-3.600	0.000	1.000	1.000	37.22	0.000	0.000	Strato1_2_8_L_0
20 D	7.549	-2.0203E-03	80.21	37.75	80.21	42.51	UL-RL	2.0647E+04	-3.800	0.000	1.000	1.000	37.75	0.000	0.000	Strato1_2_8_L_0
21 D	7.649	-1.8876E-03	84.06	38.24	84.06	44.55	UL-RL	2.0647E+04	-4.000	0.000	1.000	1.000	38.24	0.000	0.000	Strato1_2_8_L_0
22 D	7.745	-1.7596E-03	87.89	38.72	87.89	46.58	UL-RL	2.0647E+04	-4.200	0.000	1.000	1.000	38.72	0.000	0.000	Strato1_2_8_L_0

23 D	7.839	-1.6363E-03	91.73	39.19	91.73	48.62	UL-RL	2.0647E+04	-4.400	0.000	1.000	1.000
39.19	0.000	0.000	Strato1_2_8_L_0									
24 D	7.915	-1.5180E-03	95.28	39.57	95.28	50.50	UL-RL	2.0647E+04	-4.600	0.000	1.000	1.000
39.57	0.000	0.000	Strato1_2_8_L_0									
25 D	8.009	-1.4047E-03	99.12	40.05	99.12	52.53	UL-RL	2.0647E+04	-4.800	0.000	1.000	1.000
40.05	0.000	0.000	Strato1_2_8_L_0									
26 D	8.105	-1.2967E-03	103.0	40.53	103.0	54.57	UL-RL	2.0647E+04	-5.000	0.000	1.000	1.000
40.53	0.000	0.000	Strato1_2_8_L_0									
27 D	8.203	-1.1939E-03	106.8	41.02	106.8	56.60	UL-RL	2.0647E+04	-5.200	0.000	1.000	1.000
41.02	0.000	0.000	Strato1_2_8_L_0									
28 D	8.304	-1.0966E-03	110.6	41.52	110.6	58.63	UL-RL	2.0647E+04	-5.400	0.000	1.000	1.000
41.52	0.000	0.000	Strato1_2_8_L_0									
29 D	8.409	-1.0047E-03	114.5	42.04	114.5	60.66	UL-RL	2.0647E+04	-5.600	0.000	1.000	1.000
42.04	0.000	0.000	Strato1_2_8_L_0									
30 D	8.518	-9.1827E-04	118.3	42.59	118.3	62.69	UL-RL	2.0647E+04	-5.800	0.000	1.000	1.000
42.59	0.000	0.000	Strato1_2_8_L_0									
31 D	9.114	-8.3733E-04	121.9	45.57	121.9	64.60	UL-RL	2.0647E+04	-6.000	0.000	1.000	1.000
45.57	0.000	0.000	Strato1_2_8_L_0									
32 D	9.838	-7.6185E-04	125.7	49.19	125.7	66.63	UL-RL	2.0647E+04	-6.200	0.000	1.000	1.000
49.19	0.000	0.000	Strato1_2_8_L_0									
33 D	10.54	-6.9176E-04	129.6	52.70	129.6	68.66	UL-RL	2.0647E+04	-6.400	0.000	1.000	1.000
52.70	0.000	0.000	Strato1_2_8_L_0									
34 D	11.22	-6.2696E-04	133.4	56.11	133.4	70.69	UL-RL	2.0647E+04	-6.600	0.000	1.000	1.000
56.11	0.000	0.000	Strato1_2_8_L_0									
35 D	11.88	-5.6734E-04	137.2	59.40	137.2	72.72	UL-RL	2.0647E+04	-6.800	0.000	1.000	1.000
59.40	0.000	0.000	Strato1_2_8_L_0									
36 D	12.52	-5.1276E-04	141.0	62.60	141.0	74.75	UL-RL	2.0647E+04	-7.000	0.000	1.000	1.000
62.60	0.000	0.000	Strato1_2_8_L_0									
37 D	13.14	-4.6306E-04	144.9	65.69	144.9	76.77	UL-RL	2.0647E+04	-7.200	0.000	1.000	1.000
65.69	0.000	0.000	Strato1_2_8_L_0									
38 D	13.74	-4.1807E-04	148.7	68.69	148.7	78.80	UL-RL	2.0647E+04	-7.400	0.000	1.000	1.000
68.69	0.000	0.000	Strato1_2_8_L_0									
39 D	14.30	-3.7760E-04	152.3	71.51	152.3	80.73	UL-RL	2.0647E+04	-7.600	0.000	1.000	1.000
71.51	0.000	0.000	Strato1_2_8_L_0									
40 D	14.87	-3.4144E-04	156.2	74.33	156.2	82.76	UL-RL	2.0647E+04	-7.800	0.000	1.000	1.000
74.33	0.000	0.000	Strato1_2_8_L_0									
41 D	15.41	-3.0937E-04	160.0	77.07	160.0	84.79	UL-RL	2.0647E+04	-8.000	0.000	1.000	1.000
77.07	0.000	0.000	Strato1_2_8_L_0									
42 D	15.95	-2.8117E-04	163.8	79.73	163.8	86.81	UL-RL	2.0647E+04	-8.200	0.000	1.000	1.000
79.73	0.000	0.000	Strato1_2_8_L_0									
43 D	16.46	-2.5660E-04	167.6	82.31	167.6	88.84	UL-RL	2.0647E+04	-8.400	0.000	1.000	1.000
82.31	0.000	0.000	Strato1_2_8_L_0									
44 D	16.96	-2.3543E-04	171.4	84.82	171.4	90.86	UL-RL	2.0647E+04	-8.600	0.000	1.000	1.000
84.82	0.000	0.000	Strato1_2_8_L_0									
45 D	14.36	-2.1741E-04	175.4	71.79	175.4	87.68	UL-RL	5.8408E+04	-8.800	0.000	1.000	1.000
71.79	0.000	0.000	Strato2_3095_82743_L_0									
46 D	14.95	-2.0228E-04	179.2	74.74	179.2	89.61	UL-RL	5.8408E+04	-9.000	0.000	1.000	1.000
74.74	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.52	-1.8979E-04	183.3	77.61	183.3	91.63	UL-RL	5.8408E+04	-9.200	0.000	1.000	1.000
77.61	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.07	-1.7970E-04	187.3	80.34	187.3	93.64	UL-RL	5.8408E+04	-9.400	0.000	1.000	1.000
80.34	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.59	-1.7177E-04	191.3	82.93	191.3	95.64	UL-RL	5.8408E+04	-9.600	0.000	1.000	1.000
82.93	0.000	0.000	Strato2_3095_82743_L_0									
50 D	17.08	-1.6577E-04	195.3	85.40	195.3	97.65	UL-RL	5.8408E+04	-9.800	0.000	1.000	1.000
85.40	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.55	-1.6149E-04	199.3	87.76	199.3	99.66	UL-RL	5.8408E+04	-10.00	0.000	1.000	1.000
87.76	0.000	0.000	Strato2_3095_82743_L_0									
52 D	18.00	-1.5873E-04	203.3	90.02	203.3	101.7	UL-RL	5.8408E+04	-10.20	0.000	1.000	1.000
90.02	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.44	-1.5728E-04	207.4	92.20	207.4	103.7	UL-RL	5.8408E+04	-10.40	0.000	1.000	1.000
92.20	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.85	-1.5698E-04	211.2	94.24	211.2	105.6	UL-RL	5.8408E+04	-10.60	0.000	1.000	1.000
94.24	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.25	-1.5765E-04	215.3	96.27	215.3	107.6	UL-RL	5.8408E+04	-10.80	0.000	1.000	1.000
96.27	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.65	-1.5915E-04	219.3	98.25	219.3	109.6	UL-RL	5.8408E+04	-11.00	0.000	1.000	1.000
98.25	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.04	-1.6135E-04	223.3	100.2	223.3	111.6	UL-RL	5.8408E+04	-11.20	0.000	1.000	1.000
100.2	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.42	-1.6410E-04	227.3	102.1	227.3	113.7	UL-RL	5.8408E+04	-11.40	0.000	1.000	1.000
102.1	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.79	-1.6732E-04	231.3	103.9	231.3	115.7	UL-RL	5.8408E+04	-11.60	0.000	1.000	1.000
103.9	0.000	0.000	Strato2_3095_82743_L_0									
60 D	21.15	-1.7089E-04	235.3	105.8	235.3	117.7	UL-RL	5.8408E+04	-11.80	0.000	1.000	1.000
105.8	0.000	0.000	Strato2_3095_82743_L_0									
61 D	21.50	-1.7473E-04	239.2	107.5	239.2	119.6	UL-RL	5.8408E+04	-12.00	0.000	1.000	1.000
107.5	0.000	0.000	Strato2_3095_82743_L_0									
62 D	21.86	-1.7878E-04	243.3	109.3	243.3	121.6	UL-RL	5.8408E+04	-12.20	0.000	1.000	1.000
109.3	0.000	0.000	Strato2_3095_82743_L_0									
63 D	22.22	-1.8296E-04	247.3	111.1	247.3	123.6	UL-RL	5.8408E+04	-12.40	0.000	1.000	1.000
111.1	0.000	0.000	Strato2_3095_82743_L_0									
64 D	22.57	-1.8722E-04	251.3	112.9	251.3	125.6	UL-RL	5.8408E+04	-12.60	0.000	1.000	1.000
112.9	0.000	0.000	Strato2_3095_82743_L_0									
65 D	22.93	-1.9152E-04	255.3	114.6	255.3	127.7	UL-RL	5.8408E+04	-12.80	0.000	1.000	1.000

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114.6       0.000       0.000     Strato2_3095_82743_L_0
  66 D   23.28     -1.9582E-04   259.3       116.4       259.3       129.7          UL-RL  5.8408E+04  -13.00       0.000       1.000       1.000
116.4       0.000       0.000     Strato2_3095_82743_L_0
  67 D   23.63     -2.0010E-04   263.3       118.2       263.3       131.7          UL-RL  5.8408E+04  -13.20       0.000       1.000       1.000
118.2       0.000       0.000     Strato2_3095_82743_L_0
  68 D   23.98     -2.0433E-04   267.3       119.9       267.3       133.7          UL-RL  5.8408E+04  -13.40       0.000       1.000       1.000
119.9       0.000       0.000     Strato2_3095_82743_L_0
  69 D   24.33     -2.0851E-04   271.3       121.6       271.3       135.6          UL-RL  5.8408E+04  -13.60       0.000       1.000       1.000
121.6       0.000       0.000     Strato2_3095_82743_L_0
  70 D   24.68     -2.1262E-04   275.3       123.4       275.3       137.6          UL-RL  5.8408E+04  -13.80       0.000       1.000       1.000
123.4       0.000       0.000     Strato2_3095_82743_L_0
  71 D   25.03     -2.1666E-04   279.3       125.2       279.3       139.6          UL-RL  5.8408E+04  -14.00       0.000       1.000       1.000
125.2       0.000       0.000     Strato2_3095_82743_L_0
  72 D   25.39     -2.2064E-04   283.3       126.9       283.3       141.6          UL-RL  5.8408E+04  -14.20       0.000       1.000       1.000
126.9       0.000       0.000     Strato2_3095_82743_L_0
  73 D   25.74     -2.2454E-04   287.3       128.7       287.3       143.7          UL-RL  5.8408E+04  -14.40       0.000       1.000       1.000
128.7       0.000       0.000     Strato2_3095_82743_L_0
  74 D   26.10     -2.2839E-04   291.3       130.5       291.3       145.7          UL-RL  5.8408E+04  -14.60       0.000       1.000       1.000
130.5       0.000       0.000     Strato2_3095_82743_L_0
  75 D   26.45     -2.3219E-04   295.3       132.3       295.3       147.7          UL-RL  5.8408E+04  -14.80       0.000       1.000       1.000
132.3       0.000       0.000     Strato2_3095_82743_L_0
  76 D   26.80     -2.3594E-04   299.3       134.0       299.3       149.6          UL-RL  5.8408E+04  -15.00       0.000       1.000       1.000
134.0       0.000       0.000     Strato2_3095_82743_L_0
  77 D   27.16     -2.3966E-04   303.3       135.8       303.3       151.6          UL-RL  5.8408E+04  -15.20       0.000       1.000       1.000
135.8       0.000       0.000     Strato2_3095_82743_L_0
  78 D   27.51     -2.4336E-04   307.3       137.6       307.3       153.6          UL-RL  5.8408E+04  -15.40       0.000       1.000       1.000
137.6       0.000       0.000     Strato2_3095_82743_L_0
  79 D   27.87     -2.4705E-04   311.3       139.4       311.3       155.6          UL-RL  5.8408E+04  -15.60       0.000       1.000       1.000
139.4       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.23     -2.5073E-04   315.3       141.1       315.3       157.7          UL-RL  5.8408E+04  -15.80       0.000       1.000       1.000
141.1       0.000       0.000     Strato2_3095_82743_L_0
  81 D   14.29     -2.5440E-04   319.3       142.9       319.3       159.7          UL-RL  5.8408E+04  -16.00       0.000       1.000       1.000
142.9       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                   Exe Time :29 July 2019      18:01:11                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000        --          --          --          --          --          REMOVED     --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000        --          --          --          --          --          REMOVED     --       -0.2000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000        --          --          --          --          --          REMOVED     --       -0.4000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000        --          --          --          --          --          REMOVED     --       -0.6000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000        --          --          --          --          --          REMOVED     --       -0.8000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000        --          --          --          --          --          REMOVED     --       -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000        --          --          --          --          --          REMOVED     --       -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000        --          --          --          --          --          REMOVED     --       -1.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
   9     0.000        --          --          --          --          --          REMOVED     --       -1.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  10     0.000        --          --          --          --          --          REMOVED     --       -1.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  11     0.000        --          --          --          --          --          REMOVED     --       -2.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  12     0.000        --          --          --          --          --          REMOVED     --       -2.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  13     0.000        --          --          --          --          --          REMOVED     --       -2.400       0.000       1.000       1.000
```

0.000 0.000 0.000 not available
14 0.000 -- -- -- -- -- REMOVED -- -2.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
15 0.000 -- -- -- -- -- REMOVED -- -2.800 0.000 1.000 1.000
0.000 0.000 0.000 not available
16 0.000 -- -- -- -- -- REMOVED -- -3.000 0.000 1.000 1.000
0.000 0.000 0.000 not available
17 0.000 -- -- -- -- -- REMOVED -- -3.200 0.000 1.000 1.000
0.000 0.000 0.000 not available
18 0.000 -- -- -- -- -- REMOVED -- -3.400 0.000 1.000 1.000
0.000 0.000 0.000 not available
19 0.000 -- -- -- -- -- REMOVED -- -3.600 0.000 1.000 1.000
0.000 0.000 0.000 not available
20 D 0.1155 2.0203E-03 1.900 0.5776 72.20 39.07 ACTIVE 0.000 -3.800 0.000 1.000 1.000
0.5776 0.000 0.000 Strato1_2_8_L_0
21 D 2.845 1.8876E-03 5.700 14.23 76.00 41.08 UL-RL 1.4328E+04 -4.000 0.000 1.000 1.000
14.23 0.000 0.000 Strato1_2_8_L_0
22 D 6.012 1.7596E-03 9.500 30.06 79.80 43.09 UL-RL 1.4328E+04 -4.200 0.000 1.000 1.000
30.06 0.000 0.000 Strato1_2_8_L_0
23 D 9.179 1.6363E-03 13.30 45.90 83.60 53.75 UL-RL 1.4328E+04 -4.400 0.000 1.000 1.000
45.90 0.000 0.000 Strato1_2_8_L_0
24 D 9.821 1.5180E-03 17.10 49.11 87.40 56.47 UL-RL 1.4328E+04 -4.600 0.000 1.000 1.000
49.11 0.000 0.000 Strato1_2_8_L_0
25 D 10.18 1.4047E-03 20.90 50.90 91.20 57.78 UL-RL 1.4328E+04 -4.800 0.000 1.000 1.000
50.90 0.000 0.000 Strato1_2_8_L_0
26 D 10.54 1.2967E-03 24.70 52.71 95.00 59.11 UL-RL 1.4328E+04 -5.000 0.000 1.000 1.000
52.71 0.000 0.000 Strato1_2_8_L_0
27 D 10.91 1.1939E-03 28.50 54.54 98.80 60.47 UL-RL 1.4328E+04 -5.200 0.000 1.000 1.000
54.54 0.000 0.000 Strato1_2_8_L_0
28 D 11.28 1.0966E-03 32.30 56.39 102.6 61.86 UL-RL 1.4328E+04 -5.400 0.000 1.000 1.000
56.39 0.000 0.000 Strato1_2_8_L_0
29 D 11.65 1.0047E-03 36.10 58.25 106.4 63.28 UL-RL 1.4328E+04 -5.600 0.000 1.000 1.000
58.25 0.000 0.000 Strato1_2_8_L_0
30 D 12.03 9.1827E-04 39.90 60.13 110.2 64.74 UL-RL 1.4328E+04 -5.800 0.000 1.000 1.000
60.13 0.000 0.000 Strato1_2_8_L_0
31 D 12.41 8.3733E-04 43.70 62.03 114.0 66.22 UL-RL 1.4328E+04 -6.000 0.000 1.000 1.000
62.03 0.000 0.000 Strato1_2_8_L_0
32 D 12.79 7.6185E-04 47.50 63.94 117.8 67.73 UL-RL 1.4328E+04 -6.200 0.000 1.000 1.000
63.94 0.000 0.000 Strato1_2_8_L_0
33 D 13.17 6.9176E-04 51.30 65.86 121.6 69.28 UL-RL 1.4328E+04 -6.400 0.000 1.000 1.000
65.86 0.000 0.000 Strato1_2_8_L_0
34 D 13.56 6.2696E-04 55.10 67.79 125.4 70.86 UL-RL 1.4328E+04 -6.600 0.000 1.000 1.000
67.79 0.000 0.000 Strato1_2_8_L_0
35 D 13.95 5.6734E-04 58.90 69.74 129.2 72.46 UL-RL 1.4328E+04 -6.800 0.000 1.000 1.000
69.74 0.000 0.000 Strato1_2_8_L_0
36 D 14.34 5.1276E-04 62.70 71.69 133.0 74.10 UL-RL 1.4328E+04 -7.000 0.000 1.000 1.000
71.69 0.000 0.000 Strato1_2_8_L_0
37 D 14.73 4.6306E-04 66.50 73.66 136.8 75.77 UL-RL 1.4328E+04 -7.200 0.000 1.000 1.000
73.66 0.000 0.000 Strato1_2_8_L_0
38 D 15.13 4.1807E-04 70.30 75.63 140.6 77.47 UL-RL 1.4328E+04 -7.400 0.000 1.000 1.000
75.63 0.000 0.000 Strato1_2_8_L_0
39 D 15.52 3.7760E-04 74.10 77.61 144.4 79.19 UL-RL 1.4328E+04 -7.600 0.000 1.000 1.000
77.61 0.000 0.000 Strato1_2_8_L_0
40 D 15.92 3.4144E-04 77.90 79.60 148.2 80.95 UL-RL 1.4328E+04 -7.800 0.000 1.000 1.000
79.60 0.000 0.000 Strato1_2_8_L_0
41 D 16.32 3.0937E-04 81.70 81.59 152.0 82.72 UL-RL 1.4328E+04 -8.000 0.000 1.000 1.000
81.59 0.000 0.000 Strato1_2_8_L_0
42 D 16.72 2.8117E-04 85.50 83.59 155.8 84.53 UL-RL 1.4328E+04 -8.200 0.000 1.000 1.000
83.59 0.000 0.000 Strato1_2_8_L_0
43 D 17.12 2.5660E-04 89.30 85.59 159.6 86.35 UL-RL 1.4328E+04 -8.400 0.000 1.000 1.000
85.59 0.000 0.000 Strato1_2_8_L_0
44 D 17.52 2.3543E-04 93.10 87.60 163.4 88.20 UL-RL 1.4328E+04 -8.600 0.000 1.000 1.000
87.60 0.000 0.000 Strato1_2_8_L_0
45 D 14.05 2.1741E-04 97.00 70.27 167.3 84.67 UL-RL 3.1656E+04 -8.800 0.000 1.000 1.000
70.27 0.000 0.000 Strato2_3095_82743_L_0
46 D 14.37 2.0228E-04 101.0 71.87 171.3 86.63 UL-RL 3.1656E+04 -9.000 0.000 1.000 1.000
71.87 0.000 0.000 Strato2_3095_82743_L_0
47 D 14.71 1.8979E-04 105.0 73.56 175.3 88.59 UL-RL 3.1656E+04 -9.200 0.000 1.000 1.000
73.56 0.000 0.000 Strato2_3095_82743_L_0
48 D 15.06 1.7970E-04 109.0 75.32 179.3 90.54 UL-RL 3.1656E+04 -9.400 0.000 1.000 1.000
75.32 0.000 0.000 Strato2_3095_82743_L_0
49 D 15.43 1.7177E-04 113.0 77.14 183.3 92.51 UL-RL 3.1656E+04 -9.600 0.000 1.000 1.000
77.14 0.000 0.000 Strato2_3095_82743_L_0
50 D 15.80 1.6577E-04 117.0 79.02 187.3 94.47 UL-RL 3.1656E+04 -9.800 0.000 1.000 1.000
79.02 0.000 0.000 Strato2_3095_82743_L_0
51 D 16.19 1.6149E-04 121.0 80.95 191.3 96.44 UL-RL 3.1656E+04 -10.00 0.000 1.000 1.000
80.95 0.000 0.000 Strato2_3095_82743_L_0
52 D 16.58 1.5873E-04 125.0 82.92 195.3 98.41 UL-RL 3.1656E+04 -10.20 0.000 1.000 1.000
82.92 0.000 0.000 Strato2_3095_82743_L_0
53 D 16.99 1.5728E-04 129.0 84.93 199.3 100.4 UL-RL 3.1656E+04 -10.40 0.000 1.000 1.000
84.93 0.000 0.000 Strato2_3095_82743_L_0
54 D 17.39 1.5698E-04 133.0 86.97 203.3 102.4 UL-RL 3.1656E+04 -10.60 0.000 1.000 1.000
86.97 0.000 0.000 Strato2_3095_82743_L_0
55 D 17.81 1.5765E-04 137.0 89.05 207.3 104.3 UL-RL 3.1656E+04 -10.80 0.000 1.000 1.000
89.05 0.000 0.000 Strato2_3095_82743_L_0

```
  56 D   18.23      1.5915E-04   141.0         91.14        211.3         106.3               UL-RL  3.1656E+04  -11.00        0.000         1.000         1.000
91.14        0.000         0.000    Strato2_3095_82743_L_0
  57 D   18.65      1.6135E-04   145.0         93.26        215.3         108.3               UL-RL  3.1656E+04  -11.20        0.000         1.000         1.000
93.26        0.000         0.000    Strato2_3095_82743_L_0
  58 D   19.08      1.6410E-04   149.0         95.39        219.3         110.3               UL-RL  3.1656E+04  -11.40        0.000         1.000         1.000
95.39        0.000         0.000    Strato2_3095_82743_L_0
  59 D   19.51      1.6732E-04   153.0         97.53        223.3         112.3               UL-RL  3.1656E+04  -11.60        0.000         1.000         1.000
97.53        0.000         0.000    Strato2_3095_82743_L_0
  60 D   19.94      1.7089E-04   157.0         99.68        227.3         114.3               UL-RL  3.1656E+04  -11.80        0.000         1.000         1.000
99.68        0.000         0.000    Strato2_3095_82743_L_0
  61 D   20.37      1.7473E-04   161.0         101.8        231.3         116.3               UL-RL  3.1656E+04  -12.00        0.000         1.000         1.000
101.8        0.000         0.000    Strato2_3095_82743_L_0
  62 D   20.80      1.7878E-04   165.0         104.0        235.3         118.2               UL-RL  3.1656E+04  -12.20        0.000         1.000         1.000
104.0        0.000         0.000    Strato2_3095_82743_L_0
  63 D   21.23      1.8296E-04   169.0         106.2        239.3         120.2               UL-RL  3.1656E+04  -12.40        0.000         1.000         1.000
106.2        0.000         0.000    Strato2_3095_82743_L_0
  64 D   21.67      1.8722E-04   173.0         108.3        243.3         122.2               UL-RL  3.1656E+04  -12.60        0.000         1.000         1.000
108.3        0.000         0.000    Strato2_3095_82743_L_0
  65 D   22.10      1.9152E-04   177.0         110.5        247.3         124.2               UL-RL  3.1656E+04  -12.80        0.000         1.000         1.000
110.5        0.000         0.000    Strato2_3095_82743_L_0
  66 D   22.53      1.9582E-04   181.0         112.7        251.3         126.2               UL-RL  3.1656E+04  -13.00        0.000         1.000         1.000
112.7        0.000         0.000    Strato2_3095_82743_L_0
  67 D   22.97      2.0010E-04   185.0         114.8        255.3         128.2               UL-RL  3.1656E+04  -13.20        0.000         1.000         1.000
114.8        0.000         0.000    Strato2_3095_82743_L_0
  68 D   23.40      2.0433E-04   189.0         117.0        259.3         130.2               UL-RL  3.1656E+04  -13.40        0.000         1.000         1.000
117.0        0.000         0.000    Strato2_3095_82743_L_0
  69 D   23.83      2.0851E-04   193.0         119.1        263.3         132.2               UL-RL  3.1656E+04  -13.60        0.000         1.000         1.000
119.1        0.000         0.000    Strato2_3095_82743_L_0
  70 D   24.26      2.1262E-04   197.0         121.3        267.3         134.2               UL-RL  3.1656E+04  -13.80        0.000         1.000         1.000
121.3        0.000         0.000    Strato2_3095_82743_L_0
  71 D   24.69      2.1666E-04   201.0         123.4        271.3         136.2               UL-RL  3.1656E+04  -14.00        0.000         1.000         1.000
123.4        0.000         0.000    Strato2_3095_82743_L_0
  72 D   25.12      2.2064E-04   205.0         125.6        275.3         138.2               UL-RL  3.1656E+04  -14.20        0.000         1.000         1.000
125.6        0.000         0.000    Strato2_3095_82743_L_0
  73 D   25.55      2.2454E-04   209.0         127.7        279.3         140.2               UL-RL  3.1656E+04  -14.40        0.000         1.000         1.000
127.7        0.000         0.000    Strato2_3095_82743_L_0
  74 D   25.98      2.2839E-04   213.0         129.9        283.3         142.2               UL-RL  3.1656E+04  -14.60        0.000         1.000         1.000
129.9        0.000         0.000    Strato2_3095_82743_L_0
  75 D   26.40      2.3219E-04   217.0         132.0        287.3         144.2               UL-RL  3.1656E+04  -14.80        0.000         1.000         1.000
132.0        0.000         0.000    Strato2_3095_82743_L_0
  76 D   26.83      2.3594E-04   221.0         134.2        291.3         146.2               UL-RL  3.1656E+04  -15.00        0.000         1.000         1.000
134.2        0.000         0.000    Strato2_3095_82743_L_0
  77 D   27.26      2.3966E-04   225.0         136.3        295.3         148.2               UL-RL  3.1656E+04  -15.20        0.000         1.000         1.000
136.3        0.000         0.000    Strato2_3095_82743_L_0
  78 D   27.69      2.4336E-04   229.0         138.4        299.3         150.2               UL-RL  3.1656E+04  -15.40        0.000         1.000         1.000
138.4        0.000         0.000    Strato2_3095_82743_L_0
  79 D   28.11      2.4705E-04   233.0         140.6        303.3         152.2               UL-RL  3.1656E+04  -15.60        0.000         1.000         1.000
140.6        0.000         0.000    Strato2_3095_82743_L_0
  80 D   28.54      2.5073E-04   237.0         142.7        307.3         154.2               UL-RL  3.1656E+04  -15.80        0.000         1.000         1.000
142.7        0.000         0.000    Strato2_3095_82743_L_0
  81 D   14.48      2.5440E-04   241.0         144.8        311.3         156.2               UL-RL  3.1656E+04  -16.00        0.000         1.000         1.000
144.8        0.000         0.000    Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                          |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                   Exe Time :29 July 2019      18:01:11                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.   3

WallElement_33                    :
ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      4.0000

 WALL2D ELEMENT
```

EL	TA	TB	MA	MB
1	1.2122	-1.2122	3.96478E-11	0.24243
2	3.4766	-3.4766	-0.24243	0.93776
3	6.1712	-6.1712	-0.93776	2.1720
4	9.2349	-9.2349	-2.1720	4.0190
5	12.648	-12.648	-4.0190	6.5487
6	16.403	-16.403	-6.5487	9.8292
7	20.494	-20.494	-9.8292	13.928
8	24.918	-24.918	-13.928	18.911
9	29.602	-29.602	-18.911	24.832
10	34.623	-34.623	-24.832	31.757

11	39.978	-39.978	-31.757	39.752
12	45.663	-45.663	-39.752	48.885
13	51.675	-51.675	-48.885	59.220
14	58.012	-58.012	-59.220	70.822
15	64.671	-64.671	-70.822	83.756
16	71.609	-71.609	-83.756	98.078
17	-11.919	11.919	-98.078	95.694
18	-4.5867	4.5867	-95.694	94.777
19	2.8576	-2.8576	-94.777	95.349
20	10.291	-10.291	-95.349	97.407
21	15.095	-15.095	-97.407	100.43
22	16.828	-16.828	-100.43	103.79
23	15.488	-15.488	-103.79	106.89
24	13.581	-13.581	-106.89	109.61
25	11.411	-11.411	-109.61	111.89
26	8.9749	-8.9749	-111.89	113.68
27	6.2701	-6.2701	-113.68	114.94
28	3.2965	-3.2965	-114.94	115.60
29	5.46354E-02	-5.46354E-02	-115.60	115.61
30	-3.4545	3.4545	-115.61	114.92
31	-6.7463	6.7463	-114.92	113.57
32	-9.6957	9.6957	-113.57	111.63
33	-12.327	12.327	-111.63	109.16
34	-14.665	14.665	-109.16	106.23
35	-16.732	16.732	-106.23	102.88
36	-18.550	18.550	-102.88	99.173
37	-20.143	20.143	-99.173	95.144
38	-21.530	21.530	-95.144	90.838
39	-22.750	22.750	-90.838	86.288
40	-23.802	23.802	-86.288	81.528
41	-24.706	24.706	-81.528	76.586
42	-25.478	25.478	-76.586	71.491
43	-26.135	26.135	-71.491	66.264
44	-26.691	26.691	-66.264	60.926
45	-26.387	26.387	-60.926	55.648
46	-25.813	25.813	-55.648	50.486
47	-25.001	25.001	-50.486	45.486
48	-23.997	23.997	-45.486	40.686
49	-22.839	22.839	-40.686	36.118
50	-21.563	21.563	-36.118	31.806
51	-20.200	20.200	-31.806	27.766
52	-18.780	18.780	-27.766	24.010
53	-17.326	17.326	-24.010	20.545
54	-15.874	15.874	-20.545	17.370
55	-14.428	14.428	-17.370	14.484
56	-13.006	13.006	-14.484	11.883
57	-11.620	11.620	-11.883	9.5593
58	-10.282	10.282	-9.5593	7.5029
59	-9.0002	9.0002	-7.5029	5.7029
60	-7.7827	7.7827	-5.7029	4.1463
61	-6.6458	6.6458	-4.1463	2.8172
62	-5.5826	5.5826	-2.8172	1.7006
63	-4.5961	4.5961	-1.7006	0.78142
64	-3.6884	3.6884	-0.78142	4.37496E-02
65	-2.8605	2.8605	-4.37496E-02	-0.52835
66	-2.1130	2.1130	0.52835	-0.95094
67	-1.4457	1.4457	0.95094	-1.2401
68	-0.85806	0.85806	1.2401	-1.4117
69	-0.35901	0.35901	1.4117	-1.4835
70	6.23874E-02	-6.23874E-02	1.4835	-1.4710
71	0.40727	-0.40727	1.4710	-1.3896
72	0.67680	-0.67680	1.3896	-1.2542
73	0.87213	-0.87213	1.2542	-1.0798
74	0.99432	-0.99432	1.0798	-0.88091
75	1.0443	-1.0443	0.88091	-0.67205
76	1.0140	-1.0140	0.67205	-0.46924
77	0.91312	-0.91312	0.46924	-0.28662
78	0.74197	-0.74197	0.28662	-0.13822
79	0.50093	-0.50093	0.13822	-3.80371E-02
80	0.19018	-0.19018	3.80371E-02	-5.90346E-12

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                  Exe Time :29 July 2019      18:01:11                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4
```

```
Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -7.10410E-04 -7.10410E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1094E+06 RIMNOR=0.6497E+06
           RENORM= 6067.     REMNOR=0.2714E-19 RATIO =0.2355     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 115.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1094E+06 RDR   =0.6497E+06
           RATIOT=0.2355     RATIOR= 0.000
           MAX UN= 17.52     IEQ=     87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.1838E-08 IEQ=      9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1094E+06 RIMNOR=0.6497E+06
           RENORM= 215.0     REMNOR=0.2509E-18 RATIO =0.4433E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 115.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1094E+06 RDR   =0.6497E+06
           RATIOT=0.4433E-01 RATIOR= 0.000
           MAX UN= 4.454     IEQ=     59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.1199E-08 IEQ=     99 NODE     50 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1094E+06 RIMNOR=0.6497E+06
           RENORM= 85.23     REMNOR=0.1296E-18 RATIO =0.2791E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 115.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1094E+06 RDR   =0.6497E+06
           RATIOT=0.2791E-01 RATIOR= 0.000
           MAX UN= 3.485     IEQ=     13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1628E-08 IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1094E+06 RIMNOR=0.6497E+06
           RENORM= 4.383     REMNOR=0.7734E-18 RATIO =0.6329E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 115.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1094E+06 RDR   =0.6497E+06
           RATIOT=0.6329E-02 RATIOR= 0.000
           MAX UN= 1.864     IEQ=    105 NODE     53 DOF   1  Y-DISPL.F
           MIN UN=-.4320E-08 IEQ=     19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1094E+06 RIMNOR=0.6497E+06
           RENORM=0.7198E-16 REMNOR=0.3857E-18 RATIO =0.2565E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 115.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1094E+06 RDR   =0.6497E+06
           RATIOT=0.2565E-10 RATIOR= 0.000
           MAX UN=0.2494E-08 IEQ=      1 NODE      1 DOF   1  Y-DISPL.F
           MIN UN=-.3235E-08 IEQ=     57 NODE     29 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                Exe Time :29 July 2019      18:01:11                                               |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)
```

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	1.6079758E-02	-1.2549824E-03	
2	1.5828762E-02	-1.2549741E-03	
3	1.5577771E-02	-1.2549347E-03	
4	1.5326793E-02	-1.2548283E-03	
5	1.5075847E-02	-1.2546057E-03	
6	1.4824963E-02	-1.2542056E-03	
7	1.4574182E-02	-1.2535553E-03	
8	1.4323563E-02	-1.2525708E-03	
9	1.4073182E-02	-1.2511565E-03	
10	1.3823136E-02	-1.2492072E-03	
11	1.3573542E-02	-1.2466073E-03	
12	1.3324545E-02	-1.2432299E-03	
13	1.3076311E-02	-1.2389370E-03	
14	1.2829041E-02	-1.2335793E-03	
15	1.2582961E-02	-1.2269962E-03	
16	1.2338335E-02	-1.2190163E-03	
17	1.2095460E-02	-1.2094573E-03	
18	1.1854490E-02	-1.2008438E-03	
19	1.1614892E-02	-1.1956890E-03	
20	1.1375998E-02	-1.1937781E-03	
21	1.1137180E-02	-1.1948849E-03	
22	1.0897858E-02	-1.1987725E-03	
23	1.0657502E-02	-1.2051926E-03	
24	1.0415631E-02	-1.2138859E-03	
25	1.0171815E-02	-1.2245825E-03	
26	9.9256830E-03	-1.2370019E-03	
27	9.6769190E-03	-1.2508523E-03	
28	9.4252669E-03	-1.2658310E-03	
29	9.1705336E-03	-1.2816240E-03	
30	8.9125859E-03	-1.2979067E-03	
31	8.6513607E-03	-1.3143430E-03	
32	8.3868616E-03	-1.3305863E-03	
33	8.1191628E-03	-1.3462791E-03	
34	7.8484112E-03	-1.3610529E-03	
35	7.5748296E-03	-1.3745283E-03	
36	7.2987139E-03	-1.3863146E-03	
37	7.0204431E-03	-1.3960104E-03	
38	6.7404766E-03	-1.4032027E-03	
39	6.4593571E-03	-1.4074681E-03	
40	6.1777148E-03	-1.4083721E-03	
41	5.8962635E-03	-1.4054692E-03	
42	5.6158114E-03	-1.3983034E-03	
43	5.3372575E-03	-1.3864071E-03	
44	5.0615957E-03	-1.3693022E-03	
45	4.7899179E-03	-1.3464992E-03	
46	4.5233735E-03	-1.3180559E-03	
47	4.2630304E-03	-1.2845889E-03	
48	4.0098312E-03	-1.2467228E-03	
49	3.7645927E-03	-1.2050865E-03	
50	3.5280072E-03	-1.1603088E-03	
51	3.3006385E-03	-1.1130088E-03	
52	3.0829357E-03	-1.0637936E-03	
53	2.8752138E-03	-1.0132531E-03	
54	2.6776842E-03	-9.6196632E-04	
55	2.4904393E-03	-9.1049882E-04	
56	2.3134605E-03	-8.5939425E-04	
57	2.1466244E-03	-8.0914762E-04	
58	1.9897155E-03	-7.6018969E-04	
59	1.8424379E-03	-7.1289099E-04	
60	1.7044276E-03	-6.6756558E-04	
61	1.5752627E-03	-6.2447486E-04	
62	1.4544745E-03	-5.8383134E-04	
63	1.3415559E-03	-5.4580203E-04	
64	1.2359711E-03	-5.1051134E-04	
65	1.1371631E-03	-4.7804406E-04	
66	1.0445620E-03	-4.4844812E-04	
67	9.5759157E-04	-4.2173702E-04	
68	8.7567614E-04	-3.9789218E-04	
69	7.9824686E-04	-3.7686493E-04	
70	7.2474744E-04	-3.5857856E-04	
71	6.5463959E-04	-3.4292989E-04	
72	5.8740821E-04	-3.2979040E-04	
73	5.2256633E-04	-3.1900740E-04	
74	4.5965988E-04	-3.1040493E-04	
75	3.9827222E-04	-3.0378461E-04	
76	3.3802858E-04	-2.9892615E-04	
77	2.7860039E-04	-2.9558809E-04	
78	2.1970948E-04	-2.9350803E-04	
79	1.6113220E-04	-2.9240269E-04	
80	1.0270370E-04	-2.9196794E-04	
81	4.4319059E-05	-2.9187891E-04	

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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
|                                                                                                                           |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                    Exe Time :29 July 2019      18:01:11                                                   |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.3508	-1.6080E-02	11.54	3.508	11.54	12.12	ACTIVE	0.000	0.000	0.000	1.000	1.000	3.508	0.000	0.000	Strato1_2_8_L_0
2 D	0.6070	-1.5829E-02	9.984	3.035	9.984	11.32	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	3.035	0.000	0.000	Strato1_2_8_L_0
3 D	0.9069	-1.5578E-02	14.92	4.534	14.92	13.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	4.534	0.000	0.000	Strato1_2_8_L_0
4 D	1.166	-1.5327E-02	19.18	5.830	19.18	15.32	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	5.830	0.000	0.000	Strato1_2_8_L_0
5 D	1.412	-1.5076E-02	23.23	7.061	23.23	17.07	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	7.061	0.000	0.000	Strato1_2_8_L_0
6 D	1.653	-1.4825E-02	27.18	8.264	27.18	18.77	ACTIVE	0.000	-1.000	0.000	1.000	1.000	8.264	0.000	0.000	Strato1_2_8_L_0
7 D	1.890	-1.4574E-02	31.09	9.452	31.09	20.45	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.452	0.000	0.000	Strato1_2_8_L_0
8 D	2.126	-1.4324E-02	34.97	10.63	34.97	22.12	ACTIVE	0.000	-1.400	0.000	1.000	1.000	10.63	0.000	0.000	Strato1_2_8_L_0
9 D	2.314	-1.4073E-02	38.06	11.57	38.06	23.42	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.57	0.000	0.000	Strato1_2_8_L_0
10 D	2.553	-1.3823E-02	41.99	12.76	41.99	25.11	ACTIVE	0.000	-1.800	0.000	1.000	1.000	12.76	0.000	0.000	Strato1_2_8_L_0
11 D	2.790	-1.3574E-02	45.89	13.95	45.89	26.77	ACTIVE	0.000	-2.000	0.000	1.000	1.000	13.95	0.000	0.000	Strato1_2_8_L_0
12 D	3.027	-1.3325E-02	49.78	15.13	49.78	28.42	ACTIVE	0.000	-2.200	0.000	1.000	1.000	15.13	0.000	0.000	Strato1_2_8_L_0
13 D	3.262	-1.3076E-02	53.65	16.31	53.65	30.06	ACTIVE	0.000	-2.400	0.000	1.000	1.000	16.31	0.000	0.000	Strato1_2_8_L_0
14 D	3.497	-1.2829E-02	57.51	17.48	57.51	31.69	ACTIVE	0.000	-2.600	0.000	1.000	1.000	17.48	0.000	0.000	Strato1_2_8_L_0
15 D	3.731	-1.2583E-02	61.37	18.66	61.37	33.29	ACTIVE	0.000	-2.800	0.000	1.000	1.000	18.66	0.000	0.000	Strato1_2_8_L_0
16 D	3.939	-1.2338E-02	64.79	19.69	64.79	34.69	ACTIVE	0.000	-3.000	0.000	1.000	1.000	19.69	0.000	0.000	Strato1_2_8_L_0
17 D	4.174	-1.2095E-02	68.65	20.87	68.65	36.39	ACTIVE	0.000	-3.200	0.000	1.000	1.000	20.87	0.000	0.000	Strato1_2_8_L_0
18 D	4.409	-1.1854E-02	72.51	22.04	72.51	38.43	ACTIVE	0.000	-3.400	0.000	1.000	1.000	22.04	0.000	0.000	Strato1_2_8_L_0
19 D	4.643	-1.1615E-02	76.37	23.22	76.37	40.47	ACTIVE	0.000	-3.600	0.000	1.000	1.000	23.22	0.000	0.000	Strato1_2_8_L_0
20 D	4.877	-1.1376E-02	80.21	24.38	80.21	42.51	ACTIVE	0.000	-3.800	0.000	1.000	1.000	24.38	0.000	0.000	Strato1_2_8_L_0
21 D	5.111	-1.1137E-02	84.06	25.55	84.06	44.55	ACTIVE	0.000	-4.000	0.000	1.000	1.000	25.55	0.000	0.000	Strato1_2_8_L_0
22 D	5.344	-1.0898E-02	87.89	26.72	87.89	46.58	ACTIVE	0.000	-4.200	0.000	1.000	1.000	26.72	0.000	0.000	Strato1_2_8_L_0
23 D	5.577	-1.0658E-02	91.73	27.89	91.73	48.62	ACTIVE	0.000	-4.400	0.000	1.000	1.000	27.89	0.000	0.000	Strato1_2_8_L_0
24 D	5.793	-1.0416E-02	95.28	28.96	95.28	50.50	ACTIVE	0.000	-4.600	0.000	1.000	1.000	28.96	0.000	0.000	Strato1_2_8_L_0
25 D	6.027	-1.0172E-02	99.12	30.13	99.12	52.53	ACTIVE	0.000	-4.800	0.000	1.000	1.000	30.13	0.000	0.000	Strato1_2_8_L_0
26 D	6.260	-9.9257E-03	103.0	31.30	103.0	54.57	ACTIVE	0.000	-5.000	0.000	1.000	1.000	31.30	0.000	0.000	Strato1_2_8_L_0
27 D	6.493	-9.6769E-03	106.8	32.47	106.8	56.60	ACTIVE	0.000	-5.200	0.000	1.000	1.000	32.47	0.000	0.000	Strato1_2_8_L_0
28 D	6.726	-9.4253E-03	110.6	33.63	110.6	58.63	ACTIVE	0.000	-5.400	0.000	1.000	1.000	33.63	0.000	0.000	Strato1_2_8_L_0
29 D	6.959	-9.1705E-03	114.5	34.79	114.5	60.66	ACTIVE	0.000	-5.600	0.000	1.000	1.000	34.79	0.000	0.000	Strato1_2_8_L_0
30 D	7.192	-8.9126E-03	118.3	35.96	118.3	62.69	ACTIVE	0.000	-5.800	0.000	1.000	1.000	35.96	0.000	0.000	Strato1_2_8_L_0
31 D	7.411	-8.6514E-03	121.9	37.06	121.9	64.60	ACTIVE	0.000	-6.000	0.000	1.000	1.000				

37.06	0.000	0.000	Strato1_2_8_L_0									
32 D	7.644	-8.3869E-03	125.7	38.22	125.7	66.63	ACTIVE	0.000	-6.200	0.000	1.000	1.000
38.22	0.000	0.000	Strato1_2_8_L_0									
33 D	7.877	-8.1192E-03	129.6	39.38	129.6	68.66	ACTIVE	0.000	-6.400	0.000	1.000	1.000
39.38	0.000	0.000	Strato1_2_8_L_0									
34 D	8.110	-7.8484E-03	133.4	40.55	133.4	70.69	ACTIVE	0.000	-6.600	0.000	1.000	1.000
40.55	0.000	0.000	Strato1_2_8_L_0									
35 D	8.342	-7.5748E-03	137.2	41.71	137.2	72.72	ACTIVE	0.000	-6.800	0.000	1.000	1.000
41.71	0.000	0.000	Strato1_2_8_L_0									
36 D	8.575	-7.2987E-03	141.0	42.87	141.0	74.75	ACTIVE	0.000	-7.000	0.000	1.000	1.000
42.87	0.000	0.000	Strato1_2_8_L_0									
37 D	8.807	-7.0204E-03	144.9	44.04	144.9	76.77	ACTIVE	0.000	-7.200	0.000	1.000	1.000
44.04	0.000	0.000	Strato1_2_8_L_0									
38 D	9.040	-6.7405E-03	148.7	45.20	148.7	78.80	ACTIVE	0.000	-7.400	0.000	1.000	1.000
45.20	0.000	0.000	Strato1_2_8_L_0									
39 D	9.262	-6.4594E-03	152.3	46.31	152.3	80.73	ACTIVE	0.000	-7.600	0.000	1.000	1.000
46.31	0.000	0.000	Strato1_2_8_L_0									
40 D	9.494	-6.1777E-03	156.2	47.47	156.2	82.76	ACTIVE	0.000	-7.800	0.000	1.000	1.000
47.47	0.000	0.000	Strato1_2_8_L_0									
41 D	9.727	-5.8963E-03	160.0	48.63	160.0	84.79	ACTIVE	0.000	-8.000	0.000	1.000	1.000
48.63	0.000	0.000	Strato1_2_8_L_0									
42 D	9.959	-5.6158E-03	163.8	49.79	163.8	86.81	ACTIVE	0.000	-8.200	0.000	1.000	1.000
49.79	0.000	0.000	Strato1_2_8_L_0									
43 D	10.19	-5.3373E-03	167.6	50.96	167.6	88.84	ACTIVE	0.000	-8.400	0.000	1.000	1.000
50.96	0.000	0.000	Strato1_2_8_L_0									
44 D	10.42	-5.0616E-03	171.4	52.12	171.4	90.86	ACTIVE	0.000	-8.600	0.000	1.000	1.000
52.12	0.000	0.000	Strato1_2_8_L_0									
45 D	4.364	-4.7899E-03	175.4	21.82	175.4	87.68	ACTIVE	0.000	-8.800	0.000	1.000	1.000
21.82	0.000	0.000	Strato2_3095_82743_L_0									
46 D	4.546	-4.5234E-03	179.2	22.73	179.2	89.61	ACTIVE	0.000	-9.000	0.000	1.000	1.000
22.73	0.000	0.000	Strato2_3095_82743_L_0									
47 D	4.735	-4.2630E-03	183.3	23.67	183.3	91.63	ACTIVE	0.000	-9.200	0.000	1.000	1.000
23.67	0.000	0.000	Strato2_3095_82743_L_0									
48 D	4.924	-4.0098E-03	187.3	24.62	187.3	93.64	ACTIVE	0.000	-9.400	0.000	1.000	1.000
24.62	0.000	0.000	Strato2_3095_82743_L_0									
49 D	5.112	-3.7646E-03	191.3	25.56	191.3	95.64	ACTIVE	0.000	-9.600	0.000	1.000	1.000
25.56	0.000	0.000	Strato2_3095_82743_L_0									
50 D	5.301	-3.5280E-03	195.3	26.51	195.3	97.65	ACTIVE	0.000	-9.800	0.000	1.000	1.000
26.51	0.000	0.000	Strato2_3095_82743_L_0									
51 D	5.490	-3.3006E-03	199.3	27.45	199.3	99.66	ACTIVE	0.000	-10.00	0.000	1.000	1.000
27.45	0.000	0.000	Strato2_3095_82743_L_0									
52 D	5.679	-3.0829E-03	203.3	28.39	203.3	101.7	ACTIVE	0.000	-10.20	0.000	1.000	1.000
28.39	0.000	0.000	Strato2_3095_82743_L_0									
53 D	5.868	-2.8752E-03	207.4	29.34	207.4	103.7	ACTIVE	0.000	-10.40	0.000	1.000	1.000
29.34	0.000	0.000	Strato2_3095_82743_L_0									
54 D	6.051	-2.6777E-03	211.2	30.25	211.2	105.6	ACTIVE	0.000	-10.60	0.000	1.000	1.000
30.25	0.000	0.000	Strato2_3095_82743_L_0									
55 D	6.651	-2.4904E-03	215.3	33.26	215.3	107.6	UL-RL	2.7014E+04	-10.80	0.000	1.000	1.000
33.26	0.000	0.000	Strato2_3095_82743_L_0									
56 D	8.012	-2.3135E-03	219.3	40.06	219.3	109.6	UL-RL	2.7014E+04	-11.00	0.000	1.000	1.000
40.06	0.000	0.000	Strato2_3095_82743_L_0									
57 D	9.311	-2.1466E-03	223.3	46.56	223.3	111.6	UL-RL	2.7014E+04	-11.20	0.000	1.000	1.000
46.56	0.000	0.000	Strato2_3095_82743_L_0									
58 D	10.55	-1.9897E-03	227.3	52.76	227.3	113.7	UL-RL	2.7014E+04	-11.40	0.000	1.000	1.000
52.76	0.000	0.000	Strato2_3095_82743_L_0									
59 D	11.74	-1.8424E-03	231.3	58.69	231.3	115.7	UL-RL	2.7014E+04	-11.60	0.000	1.000	1.000
58.69	0.000	0.000	Strato2_3095_82743_L_0									
60 D	12.87	-1.7044E-03	235.3	64.34	235.3	117.7	UL-RL	2.7014E+04	-11.80	0.000	1.000	1.000
64.34	0.000	0.000	Strato2_3095_82743_L_0									
61 D	13.94	-1.5753E-03	239.2	69.69	239.2	119.6	UL-RL	2.7014E+04	-12.00	0.000	1.000	1.000
69.69	0.000	0.000	Strato2_3095_82743_L_0									
62 D	14.97	-1.4545E-03	243.3	74.86	243.3	121.6	UL-RL	2.7014E+04	-12.20	0.000	1.000	1.000
74.86	0.000	0.000	Strato2_3095_82743_L_0									
63 D	15.96	-1.3416E-03	247.3	79.80	247.3	123.6	UL-RL	2.7014E+04	-12.40	0.000	1.000	1.000
79.80	0.000	0.000	Strato2_3095_82743_L_0									
64 D	16.91	-1.2360E-03	251.3	84.54	251.3	125.6	UL-RL	2.7014E+04	-12.60	0.000	1.000	1.000
84.54	0.000	0.000	Strato2_3095_82743_L_0									
65 D	17.82	-1.1372E-03	255.3	89.09	255.3	127.7	UL-RL	2.7014E+04	-12.80	0.000	1.000	1.000
89.09	0.000	0.000	Strato2_3095_82743_L_0									
66 D	18.69	-1.0446E-03	259.3	93.47	259.3	129.7	UL-RL	2.7014E+04	-13.00	0.000	1.000	1.000
93.47	0.000	0.000	Strato2_3095_82743_L_0									
67 D	19.54	-9.5759E-04	263.3	97.70	263.3	131.7	UL-RL	2.7014E+04	-13.20	0.000	1.000	1.000
97.70	0.000	0.000	Strato2_3095_82743_L_0									
68 D	20.36	-8.7568E-04	267.3	101.8	267.3	133.7	UL-RL	2.7014E+04	-13.40	0.000	1.000	1.000
101.8	0.000	0.000	Strato2_3095_82743_L_0									
69 D	21.14	-7.9825E-04	271.3	105.7	271.3	135.6	UL-RL	2.7014E+04	-13.60	0.000	1.000	1.000
105.7	0.000	0.000	Strato2_3095_82743_L_0									
70 D	21.91	-7.2475E-04	275.3	109.6	275.3	137.6	UL-RL	2.7014E+04	-13.80	0.000	1.000	1.000
109.6	0.000	0.000	Strato2_3095_82743_L_0									
71 D	22.67	-6.5464E-04	279.3	113.3	279.3	139.6	UL-RL	2.7014E+04	-14.00	0.000	1.000	1.000
113.3	0.000	0.000	Strato2_3095_82743_L_0									
72 D	23.41	-5.8741E-04	283.3	117.0	283.3	141.6	UL-RL	2.7014E+04	-14.20	0.000	1.000	1.000
117.0	0.000	0.000	Strato2_3095_82743_L_0									
73 D	24.13	-5.2257E-04	287.3	120.7	287.3	143.7	UL-RL	2.7014E+04	-14.40	0.000	1.000	1.000
120.7	0.000	0.000	Strato2_3095_82743_L_0									

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  74 D  24.85     -4.5966E-04  291.3      124.2      291.3      145.7          UL-RL  2.7014E+04  -14.60      0.000      1.000      1.000
124.2       0.000       0.000    Strato2_3095_82743_L_0
  75 D  25.56     -3.9827E-04  295.3      127.8      295.3      147.7          UL-RL  2.7014E+04  -14.80      0.000      1.000      1.000
127.8       0.000       0.000    Strato2_3095_82743_L_0
  76 D  26.25     -3.3803E-04  299.3      131.2      299.3      149.6          UL-RL  2.7014E+04  -15.00      0.000      1.000      1.000
131.2       0.000       0.000    Strato2_3095_82743_L_0
  77 D  26.95     -2.7860E-04  303.3      134.7      303.3      151.6          UL-RL  2.7014E+04  -15.20      0.000      1.000      1.000
134.7       0.000       0.000    Strato2_3095_82743_L_0
  78 D  27.64     -2.1971E-04  307.3      138.2      307.3      153.6          UL-RL  2.7014E+04  -15.40      0.000      1.000      1.000
138.2       0.000       0.000    Strato2_3095_82743_L_0
  79 D  28.34     -1.6113E-04  311.3      141.7      311.3      155.6          UL-RL  2.7014E+04  -15.60      0.000      1.000      1.000
141.7       0.000       0.000    Strato2_3095_82743_L_0
  80 D  29.03     -1.0270E-04  315.3      145.1      315.3      157.7          UL-RL  2.7014E+04  -15.80      0.000      1.000      1.000
145.1       0.000       0.000    Strato2_3095_82743_L_0
  81 D  14.86     -4.4319E-05  319.3      148.6      319.3      159.7          UL-RL  2.7014E+04  -16.00      0.000      1.000      1.000
148.6       0.000       0.000    Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
 |                                                                                                            |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                             |
 |                                 Exe Time :29 July 2019      18:01:11                                       |
 +------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                                 :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE  STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a         Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------
 ----------------------------------------------------------------------
   1   0.000        --         --         --          --          --          REMOVED    --       0.000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   2   0.000        --         --         --          --          --          REMOVED    --     -0.2000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   3   0.000        --         --         --          --          --          REMOVED    --     -0.4000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   4   0.000        --         --         --          --          --          REMOVED    --     -0.6000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   5   0.000        --         --         --          --          --          REMOVED    --     -0.8000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   6   0.000        --         --         --          --          --          REMOVED    --      -1.000      0.000      1.000      1.000
0.000       0.000       0.000    not available
   7   0.000        --         --         --          --          --          REMOVED    --      -1.200      0.000      1.000      1.000
0.000       0.000       0.000    not available
   8   0.000        --         --         --          --          --          REMOVED    --      -1.400      0.000      1.000      1.000
0.000       0.000       0.000    not available
   9   0.000        --         --         --          --          --          REMOVED    --      -1.600      0.000      1.000      1.000
0.000       0.000       0.000    not available
  10   0.000        --         --         --          --          --          REMOVED    --      -1.800      0.000      1.000      1.000
0.000       0.000       0.000    not available
  11   0.000        --         --         --          --          --          REMOVED    --      -2.000      0.000      1.000      1.000
0.000       0.000       0.000    not available
  12   0.000        --         --         --          --          --          REMOVED    --      -2.200      0.000      1.000      1.000
0.000       0.000       0.000    not available
  13   0.000        --         --         --          --          --          REMOVED    --      -2.400      0.000      1.000      1.000
0.000       0.000       0.000    not available
  14   0.000        --         --         --          --          --          REMOVED    --      -2.600      0.000      1.000      1.000
0.000       0.000       0.000    not available
  15   0.000        --         --         --          --          --          REMOVED    --      -2.800      0.000      1.000      1.000
0.000       0.000       0.000    not available
  16   0.000        --         --         --          --          --          REMOVED    --      -3.000      0.000      1.000      1.000
0.000       0.000       0.000    not available
  17   0.000        --         --         --          --          --          REMOVED    --      -3.200      0.000      1.000      1.000
0.000       0.000       0.000    not available
  18   0.000        --         --         --          --          --          REMOVED    --      -3.400      0.000      1.000      1.000
0.000       0.000       0.000    not available
  19   0.000        --         --         --          --          --          REMOVED    --      -3.600      0.000      1.000      1.000
0.000       0.000       0.000    not available
  20   0.000        --         --         --          --          --          REMOVED    --      -3.800      0.000      1.000      1.000
0.000       0.000       0.000    not available
  21   0.000        --         --         --          --          --          REMOVED    --      -4.000      0.000      1.000      1.000
0.000       0.000       0.000    not available
```

22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
45 D	17.23	4.7899E-03	2.000	86.14	167.3	86.14	V-C	5348.	-8.800	0.000	1.000	1.000	
86.14	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.65	4.5234E-03	6.000	88.24	171.3	88.24	V-C	5348.	-9.000	0.000	1.000	1.000	
88.24	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.95	4.2630E-03	10.000	89.73	175.3	89.73	V-C	5348.	-9.200	0.000	1.000	1.000	
89.73	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.20	4.0098E-03	14.00	91.00	179.3	91.00	V-C	5348.	-9.400	0.000	1.000	1.000	
91.00	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.31	3.7646E-03	18.00	91.54	183.3	92.51	UL-RL	1.6045E+04	-9.600	0.000	1.000	1.000	
91.54	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.21	3.5280E-03	22.00	91.04	187.3	94.47	UL-RL	1.6045E+04	-9.800	0.000	1.000	1.000	
91.04	0.000	0.000	Strato2_3095_82743_L_0										
51 D	18.10	3.3006E-03	26.00	90.50	191.3	96.44	UL-RL	1.6045E+04	-10.00	0.000	1.000	1.000	
90.50	0.000	0.000	Strato2_3095_82743_L_0										
52 D	18.00	3.0829E-03	30.00	89.99	195.3	98.41	UL-RL	1.6045E+04	-10.20	0.000	1.000	1.000	
89.99	0.000	0.000	Strato2_3095_82743_L_0										
53 D	17.91	2.8752E-03	34.00	89.53	199.3	100.4	UL-RL	1.6045E+04	-10.40	0.000	1.000	1.000	
89.53	0.000	0.000	Strato2_3095_82743_L_0										
54 D	17.83	2.6777E-03	38.00	89.15	203.3	102.4	UL-RL	1.6045E+04	-10.60	0.000	1.000	1.000	
89.15	0.000	0.000	Strato2_3095_82743_L_0										
55 D	17.77	2.4904E-03	42.00	88.87	207.3	104.3	UL-RL	1.6045E+04	-10.80	0.000	1.000	1.000	
88.87	0.000	0.000	Strato2_3095_82743_L_0										
56 D	17.74	2.3135E-03	46.00	88.70	211.3	106.3	UL-RL	1.6045E+04	-11.00	0.000	1.000	1.000	
88.70	0.000	0.000	Strato2_3095_82743_L_0										
57 D	17.73	2.1466E-03	50.00	88.64	215.3	108.3	UL-RL	1.6045E+04	-11.20	0.000	1.000	1.000	
88.64	0.000	0.000	Strato2_3095_82743_L_0										
58 D	17.74	1.9897E-03	54.00	88.71	219.3	110.3	UL-RL	1.6045E+04	-11.40	0.000	1.000	1.000	
88.71	0.000	0.000	Strato2_3095_82743_L_0										
59 D	17.78	1.8424E-03	58.00	88.89	223.3	112.3	UL-RL	1.6045E+04	-11.60	0.000	1.000	1.000	
88.89	0.000	0.000	Strato2_3095_82743_L_0										
60 D	17.84	1.7044E-03	62.00	89.19	227.3	114.3	UL-RL	1.6045E+04	-11.80	0.000	1.000	1.000	
89.19	0.000	0.000	Strato2_3095_82743_L_0										
61 D	17.92	1.5753E-03	66.00	89.60	231.3	116.3	UL-RL	1.6045E+04	-12.00	0.000	1.000	1.000	
89.60	0.000	0.000	Strato2_3095_82743_L_0										
62 D	18.02	1.4545E-03	70.00	90.12	235.3	118.2	UL-RL	1.6045E+04	-12.20	0.000	1.000	1.000	
90.12	0.000	0.000	Strato2_3095_82743_L_0										
63 D	18.15	1.3416E-03	74.00	90.74	239.3	120.2	UL-RL	1.6045E+04	-12.40	0.000	1.000	1.000	
90.74	0.000	0.000	Strato2_3095_82743_L_0										
64 D	18.29	1.2360E-03	78.00	91.46	243.3	122.2	UL-RL	1.6045E+04	-12.60	0.000	1.000	1.000	

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91.46       0.000       0.000      Strato2_3095_82743_L_0
  65 D   18.45     1.1372E-03   82.00        92.26       247.3        124.2              UL-RL  1.6045E+04  -12.80         0.000          1.000          1.000
92.26       0.000       0.000      Strato2_3095_82743_L_0
  66 D   18.63     1.0446E-03   86.00        93.15       251.3        126.2              UL-RL  1.6045E+04  -13.00         0.000          1.000          1.000
93.15       0.000       0.000      Strato2_3095_82743_L_0
  67 D   18.82     9.5759E-04   90.00        94.11       255.3        128.2              UL-RL  1.6045E+04  -13.20         0.000          1.000          1.000
94.11       0.000       0.000      Strato2_3095_82743_L_0
  68 D   19.03     8.7568E-04   94.00        95.13       259.3        130.2              UL-RL  1.6045E+04  -13.40         0.000          1.000          1.000
95.13       0.000       0.000      Strato2_3095_82743_L_0
  69 D   19.24     7.9825E-04   98.00        96.21       263.3        132.2              UL-RL  1.6045E+04  -13.60         0.000          1.000          1.000
96.21       0.000       0.000      Strato2_3095_82743_L_0
  70 D   19.47     7.2475E-04   102.0        97.34       267.3        134.2              UL-RL  1.6045E+04  -13.80         0.000          1.000          1.000
97.34       0.000       0.000      Strato2_3095_82743_L_0
  71 D   19.70     6.5464E-04   106.0        98.50       271.3        136.2              UL-RL  1.6045E+04  -14.00         0.000          1.000          1.000
98.50       0.000       0.000      Strato2_3095_82743_L_0
  72 D   19.94     5.8741E-04   110.0        99.71       275.3        138.2              UL-RL  1.6045E+04  -14.20         0.000          1.000          1.000
99.71       0.000       0.000      Strato2_3095_82743_L_0
  73 D   20.19     5.2257E-04   114.0        100.9       279.3        140.2              UL-RL  1.6045E+04  -14.40         0.000          1.000          1.000
100.9       0.000       0.000      Strato2_3095_82743_L_0
  74 D   20.44     4.5966E-04   118.0        102.2       283.3        142.2              UL-RL  1.6045E+04  -14.60         0.000          1.000          1.000
102.2       0.000       0.000      Strato2_3095_82743_L_0
  75 D   20.69     3.9827E-04   122.0        103.5       287.3        144.2              UL-RL  1.6045E+04  -14.80         0.000          1.000          1.000
103.5       0.000       0.000      Strato2_3095_82743_L_0
  76 D   20.94     3.3803E-04   126.0        104.7       291.3        146.2              UL-RL  1.6045E+04  -15.00         0.000          1.000          1.000
104.7       0.000       0.000      Strato2_3095_82743_L_0
  77 D   21.20     2.7860E-04   130.0        106.0       295.3        148.2              UL-RL  1.6045E+04  -15.20         0.000          1.000          1.000
106.0       0.000       0.000      Strato2_3095_82743_L_0
  78 D   21.46     2.1971E-04   134.0        107.3       299.3        150.2              UL-RL  1.6045E+04  -15.40         0.000          1.000          1.000
107.3       0.000       0.000      Strato2_3095_82743_L_0
  79 D   21.71     1.6113E-04   138.0        108.6       303.3        152.2              UL-RL  1.6045E+04  -15.60         0.000          1.000          1.000
108.6       0.000       0.000      Strato2_3095_82743_L_0
  80 D   21.97     1.0270E-04   142.0        109.8       307.3        154.2              UL-RL  1.6045E+04  -15.80         0.000          1.000          1.000
109.8       0.000       0.000      Strato2_3095_82743_L_0
  81 D   11.11     4.4319E-05   146.0        111.1       311.3        156.2              UL-RL  1.6045E+04  -16.00         0.000          1.000          1.000
111.1       0.000       0.000      Strato2_3095_82743_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                     |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                     |
|                                  Exe Time :29 July 2019       18:01:11                                              |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                    :
ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP    80
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT
```

EL	TA	TB	MA	MB
1	0.35082	-0.35082	-2.47049E-10	7.01632E-02
2	0.95786	-0.95786	-7.01632E-02	0.26174
3	1.8648	-1.8648	-0.26174	0.63469
4	3.0308	-3.0308	-0.63469	1.2408
5	4.4431	-4.4431	-1.2408	2.1295
6	6.0959	-6.0959	-2.1295	3.3486
7	7.9863	-7.9863	-3.3486	4.9459
8	10.112	-10.112	-4.9459	6.9684
9	12.426	-12.426	-6.9684	9.4536
10	14.979	-14.979	-9.4536	12.449
11	17.769	-17.769	-12.449	16.003
12	20.796	-20.796	-16.003	20.162
13	24.058	-24.058	-20.162	24.974
14	27.555	-27.555	-24.974	30.485
15	31.286	-31.286	-30.485	36.742
16	35.225	-35.225	-36.742	43.787
17	-75.049	75.049	-43.787	28.777
18	-70.641	70.641	-28.777	14.649
19	-65.998	65.998	-14.649	1.4497
20	-61.121	61.121	-1.4497	-10.774
21	-56.010	56.010	10.774	-21.976
22	-50.666	50.666	21.976	-32.110
23	-45.089	45.089	32.110	-41.127
24	-39.296	39.296	41.127	-48.987
25	-33.269	33.269	48.987	-55.640
26	-27.010	27.010	55.640	-61.042
27	-20.516	20.516	61.042	-65.146

28	-13.790	13.790	65.146	-67.904
29	-6.8314	6.8314	67.904	-69.270
30	0.36035	-0.36035	69.270	-69.198
31	7.7715	-7.7715	69.198	-67.644
32	15.416	-15.416	67.644	-64.561
33	23.292	-23.292	64.561	-59.902
34	31.402	-31.402	59.902	-53.622
35	39.744	-39.744	53.622	-45.673
36	48.319	-48.319	45.673	-36.009
37	57.127	-57.127	36.009	-24.584
38	66.166	-66.166	24.584	-11.350
39	75.428	-75.428	11.350	3.7352
40	84.922	-84.922	-3.7352	20.720
41	94.648	-94.648	-20.720	39.649
42	104.61	-104.61	-39.649	60.571
43	114.80	-114.80	-60.571	83.530
44	125.22	-125.22	-83.530	108.57
45	112.36	-112.36	-108.57	131.05
46	99.255	-99.255	-131.05	150.90
47	86.044	-86.044	-150.90	168.11
48	72.767	-72.767	-168.11	182.66
49	59.570	-59.570	-182.66	194.57
50	46.663	-46.663	-194.57	203.91
51	34.053	-34.053	-203.91	210.72
52	21.734	-21.734	-210.72	215.06
53	9.6966	-9.6966	-215.06	217.00
54	-2.0825	2.0825	-217.00	216.59
55	-13.205	13.205	-216.59	213.95
56	-22.933	22.933	-213.95	209.36
57	-31.351	31.351	-209.36	203.09
58	-38.540	38.540	-203.09	195.38
59	-44.581	44.581	-195.38	186.46
60	-49.550	49.550	-186.46	176.55
61	-53.532	53.532	-176.55	165.85
62	-56.585	56.585	-165.85	154.53
63	-58.773	58.773	-154.53	142.78
64	-60.157	60.157	-142.78	130.74
65	-60.791	60.791	-130.74	118.59
66	-60.726	60.726	-118.59	106.44
67	-60.008	60.008	-106.44	94.440
68	-58.676	58.676	-94.440	82.705
69	-56.777	56.777	-82.705	71.349
70	-54.330	54.330	-71.349	60.483
71	-51.363	51.363	-60.483	50.211
72	-47.898	47.898	-50.211	40.631
73	-43.952	43.952	-40.631	31.841
74	-39.541	39.541	-31.841	23.932
75	-34.674	34.674	-23.932	16.998
76	-29.369	29.369	-16.998	11.124
77	-23.622	23.622	-11.124	6.3996
78	-17.436	17.436	-6.3996	2.9124
79	-10.812	10.812	-2.9124	0.75006
80	-3.7501	3.7501	-0.75006	3.66790E-14

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      18:01:11                                              |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   118.49     -7.10410E-04  8.61081E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      18:01:11                                              |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        3
        3           CONVERGENCE :YES                        6
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        5



  END OF PROCESS FOR PROBLEM
 New Project
 NONLINEAR SOLUTION CPU TIME ....     0.06 [sec]
 DATABASE  CREATION CPU TIME.....     0.27 [sec]
```

3.7. Design Assumption : A2+M2+R1 - File di Paratie - File di input (.d)

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* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
 * Time:lunedì 29 luglio 2019 18:01:11
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -16 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -16 0 1 0
 SOIL 0_R LeftWall_32 -16 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0
```

```
* 6.3: Strips
STRIP LeftWall_32 2 5 0 40 0 13 30

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -3.7
WATER -26 0 -16 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -8.7
WATER -26 0 -16 0 0
ENDSTEP
```

3.8. Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                   ********************************************************
                   *                                                      *
```

```
*  PARATIE PLUS Non-Linear Spring Engine                *
*                                                       *
*          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM      *
*          FOR FLEXIBLE EARTH-RETAINING STRUCTURES      *
*                                                       *
*          Written by Ce.A.S. s.r.l. (ITALY)            *
*          with the scientific supervision of           *
*          Roberto Nova - full professor SOIL MECHANICS *
*          at Politecnico di Milano (ITALY)             *
*                                                       *
*********************************************************
*                                                       *
*  RELEASE   2017.1     *Build date:Jul 11, 2017*     *
*                                                       *
*                                                       *
*  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE    *
*              VIALE   GIUSTINIANO 10                   *
*              20129   M I L A N O  (ITALIA)            *
*  TEL.        +39 02 2020221   (+39 035 23 67 19)      *
*  FAX         +39 02 29512533  (+39 035 42285 49)      *
*  email       bruno.becci@ceas.it                      *
*  Web Page    www.ceas.it                              *
*********************************************************



 JOB : NewProject.BaseDesignSection_28.A2M2R1_3514
 STARTING
ACCEPTED   <FILE,GENW                                                    >
ACCEPTED   <FILE,PLOTTER,BINARY                                          >
ACCEPTED   <SOLVE TOTAL_STRESS                                           >
ACCEPTED   <PARAM ITEMAX 100                                             >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                >



*********************************************************
*                                                       *
*  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
*    BY THE PROGRAM.                                    *
*********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:01:11                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   88
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                 kPa
 Y-DISPLACEMENTS          m
```

```
ROTATIONS                RADIANS
BEAM AND SLAB MOMENTS    kN*m/m
BEAM SHEAR FORCES        kN/m
ANCHOR FORCES            kN/m
AXIAL FORCES IN TRUSSES  kN/m
AXIAL FORCES SPRINGS     kN/m
Y-REACTIONS              kN/m
X-MOMENT REACTIONS       kN*m/m
ETC.



+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                               Exe Time :29 July 2019      18:01:11                                                    |
+-----------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S     88

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -8.7 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -3.2 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : STRIP LeftWall_32 2 5 0 40 0 13 30
   30 : STEP Stage1_31
   31 : CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
   32 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   33 : CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
   37 : CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
   38 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
   43 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   44 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   45 : CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
   46 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   47 : SETWALL LeftWall_32
   48 : GEOM 0 0
   49 : WATER -26 0 -16 0 0
   50 : ADD WallElement_33
   51 : ENDSTEP
   52 : STEP Stage2_755438
   53 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   54 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   55 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   56 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   57 : SETWALL LeftWall_32
   58 : GEOM 0 0
   59 : WATER -26 0 -16 0 0
   60 : ENDSTEP
   61 : STEP Stage3_158
   62 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
```

```
   63 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   64 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   65 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   66 : SETWALL LeftWall_32
   67 : GEOM 0 -3.7
   68 : WATER -26 0 -16 0 0
   69 : ENDSTEP
   70 : STEP Stage4_617
   71 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   72 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   73 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   74 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   75 : SETWALL LeftWall_32
   76 : GEOM 0 -3.7
   77 : WATER -26 0 -16 0 0
   78 : ADD Tirante1_429
   79 : ENDSTEP
   80 : STEP Stage5_714
   81 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   82 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   83 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   84 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   85 : SETWALL LeftWall_32
   86 : GEOM 0 -8.7
   87 : WATER -26 0 -16 0 0
   88 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:01:11                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000    -10.0000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /   62  0.0000     -12.200     /   63  0.0000     -12.400     /   64  0.0000     -12.600     /
  65  0.0000     -12.800     /   66  0.0000     -13.000     /   67  0.0000     -13.200     /   68  0.0000     -13.400     /
  69  0.0000     -13.600     /   70  0.0000     -13.800     /   71  0.0000     -14.000     /   72  0.0000     -14.200     /
  73  0.0000     -14.400     /   74  0.0000     -14.600     /   75  0.0000     -14.800     /   76  0.0000     -15.000     /
  77  0.0000     -15.200     /   78  0.0000     -15.400     /   79  0.0000     -15.600     /   80  0.0000     -15.800     /
  81  0.0000     -16.000     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:01:11                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                          :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
```

```
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000

65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:01:12                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                             :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-----------------------------------------------------------------
```

1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000

24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.2000	0.000	0.000	0.000	2.000
62	62	2	0.2000	0.000	0.000	0.000	2.000
63	63	2	0.2000	0.000	0.000	0.000	2.000
64	64	2	0.2000	0.000	0.000	0.000	2.000
65	65	2	0.2000	0.000	0.000	0.000	2.000
66	66	2	0.2000	0.000	0.000	0.000	2.000
67	67	2	0.2000	0.000	0.000	0.000	2.000
68	68	2	0.2000	0.000	0.000	0.000	2.000
69	69	2	0.2000	0.000	0.000	0.000	2.000
70	70	2	0.2000	0.000	0.000	0.000	2.000
71	71	2	0.2000	0.000	0.000	0.000	2.000
72	72	2	0.2000	0.000	0.000	0.000	2.000
73	73	2	0.2000	0.000	0.000	0.000	2.000
74	74	2	0.2000	0.000	0.000	0.000	2.000
75	75	2	0.2000	0.000	0.000	0.000	2.000
76	76	2	0.2000	0.000	0.000	0.000	2.000
77	77	2	0.2000	0.000	0.000	0.000	2.000
78	78	2	0.2000	0.000	0.000	0.000	2.000
79	79	2	0.2000	0.000	0.000	0.000	2.000
80	80	2	0.2000	0.000	0.000	0.000	2.000
81	81	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                   |
|                                  Exe Time :29 July 2019      18:01:12                                             |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.....................2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active
```

material set no. 1

prop(1) young modulus 0.314800E+08
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.252200E-43

no. of step variable items: 1
step inertia multipier

step	inertia multipier
1	1.000
2	1.000
3	1.000
4	1.000
5	1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.6848	0.000	0.000
2	2	3	1	0.000	0.000	0.6848	0.000	0.000
3	3	4	1	0.000	0.000	0.6848	0.000	0.000
4	4	5	1	0.000	0.000	0.6848	0.000	0.000
5	5	6	1	0.000	0.000	0.6848	0.000	0.000
6	6	7	1	0.000	0.000	0.6848	0.000	0.000
7	7	8	1	0.000	0.000	0.6848	0.000	0.000
8	8	9	1	0.000	0.000	0.6848	0.000	0.000
9	9	10	1	0.000	0.000	0.6848	0.000	0.000
10	10	11	1	0.000	0.000	0.6848	0.000	0.000
11	11	12	1	0.000	0.000	0.6848	0.000	0.000
12	12	13	1	0.000	0.000	0.6848	0.000	0.000
13	13	14	1	0.000	0.000	0.6848	0.000	0.000
14	14	15	1	0.000	0.000	0.6848	0.000	0.000
15	15	16	1	0.000	0.000	0.6848	0.000	0.000
16	16	17	1	0.000	0.000	0.6848	0.000	0.000
17	17	18	1	0.000	0.000	0.6848	0.000	0.000
18	18	19	1	0.000	0.000	0.6848	0.000	0.000
19	19	20	1	0.000	0.000	0.6848	0.000	0.000
20	20	21	1	0.000	0.000	0.6848	0.000	0.000
21	21	22	1	0.000	0.000	0.6848	0.000	0.000
22	22	23	1	0.000	0.000	0.6848	0.000	0.000
23	23	24	1	0.000	0.000	0.6848	0.000	0.000
24	24	25	1	0.000	0.000	0.6848	0.000	0.000
25	25	26	1	0.000	0.000	0.6848	0.000	0.000
26	26	27	1	0.000	0.000	0.6848	0.000	0.000
27	27	28	1	0.000	0.000	0.6848	0.000	0.000
28	28	29	1	0.000	0.000	0.6848	0.000	0.000
29	29	30	1	0.000	0.000	0.6848	0.000	0.000
30	30	31	1	0.000	0.000	0.6848	0.000	0.000
31	31	32	1	0.000	0.000	0.6848	0.000	0.000
32	32	33	1	0.000	0.000	0.6848	0.000	0.000
33	33	34	1	0.000	0.000	0.6848	0.000	0.000
34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000
61	61	62	1	0.000	0.000	0.6848	0.000	0.000
62	62	63	1	0.000	0.000	0.6848	0.000	0.000

63	63	64	1	0.000	0.000	0.6848	0.000	0.000
64	64	65	1	0.000	0.000	0.6848	0.000	0.000
65	65	66	1	0.000	0.000	0.6848	0.000	0.000
66	66	67	1	0.000	0.000	0.6848	0.000	0.000
67	67	68	1	0.000	0.000	0.6848	0.000	0.000
68	68	69	1	0.000	0.000	0.6848	0.000	0.000
69	69	70	1	0.000	0.000	0.6848	0.000	0.000
70	70	71	1	0.000	0.000	0.6848	0.000	0.000
71	71	72	1	0.000	0.000	0.6848	0.000	0.000
72	72	73	1	0.000	0.000	0.6848	0.000	0.000
73	73	74	1	0.000	0.000	0.6848	0.000	0.000
74	74	75	1	0.000	0.000	0.6848	0.000	0.000
75	75	76	1	0.000	0.000	0.6848	0.000	0.000
76	76	77	1	0.000	0.000	0.6848	0.000	0.000
77	77	78	1	0.000	0.000	0.6848	0.000	0.000
78	78	79	1	0.000	0.000	0.6848	0.000	0.000
79	79	80	1	0.000	0.000	0.6848	0.000	0.000
80	80	81	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   17    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                 Exe Time :29 July 2019      18:01:12                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       6.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =    7
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    8
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                 |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                  |
|                                 Exe Time :29 July 2019      18:01:12                                            |
+-----------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                    Exe Time :29 July 2019      18:01:12                                                 |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                    Exe Time :29 July 2019      18:01:12                                                 |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
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ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
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ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
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ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -8.7000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
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PHASE DESCRIPTORS


STEP  NO.     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                         -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                  -0.9990E+30    -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00         -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                         -26.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                  -0.9990E+30    -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00         -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.700	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-8.700	0.000

```
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step     5


 LEFT-HAND WALL

 LOWER  LEVEL          -16.00000
 UPPER  LEVEL            0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL          -16.00000
 UPPER  LEVEL            0.00000




+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      18:01:12                                              |
+-------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          13.0000000000000
 BETA ....                          30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3781

 NO. OF D.P.W  FOR THIS AREA       9608
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100
```

```
ITER      0 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.5117E+05 RIMNOR= 0.000
            RENORM= 0.000      REMNOR= 0.000      RATIO = 0.000      TOLER =0.1000E-03      CONVERGED !
            RFMAX = 30.73      RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT    =0.5117E+05 RDR    = 0.000
            RATIOT= 0.000      RATIOR= 0.000
            MAX UN= 0.000      IEQ=    162 NODE      81 DOF    2   X-ROT. F
            MIN UN= 0.000      IEQ=      1 NODE       1 DOF    1   Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      1 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.5117E+05 RIMNOR= 0.000
            RENORM= 0.000      REMNOR= 0.000      RATIO = 0.000      TOLER =0.1000E-03      CONVERGED !
            RFMAX = 30.73      RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT    =0.5117E+05 RDR    = 0.000
            RATIOT= 0.000      RATIOR= 0.000
            MAX UN= 0.000      IEQ=    162 NODE      81 DOF    2   X-ROT. F
            MIN UN= 0.000      IEQ=      1 NODE       1 DOF    1   Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      2 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.5117E+05 RIMNOR= 0.000
            RENORM= 0.000      REMNOR= 0.000      RATIO = 0.000      TOLER =0.1000E-03      CONVERGED !
            RFMAX = 30.73      RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT    =0.5117E+05 RDR    = 0.000
            RATIOT= 0.000      RATIOR= 0.000
            MAX UN= 0.000      IEQ=    162 NODE      81 DOF    2   X-ROT. F
            MIN UN= 0.000      IEQ=      1 NODE       1 DOF    1   Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS      0
```

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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      18:01:12                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
|                                  Exe Time :29 July 2019      18:01:12                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T    T I M E    I S      1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4411E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4411E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4411E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4411E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4411E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4411E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4411E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.4411E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.4411E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.4411E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.4411E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.4411E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.4411E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.4411E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.4411E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.4411E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.4411E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.4411E+04  -3.400       0.000       1.000       1.000
```

34.24	0.000	0.000	Strato1_2_8_L_0									
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4411E+04	-3.600	0.000	1.000	1.000
36.25	0.000	0.000	Strato1_2_8_L_0									
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4411E+04	-3.800	0.000	1.000	1.000
38.27	0.000	0.000	Strato1_2_8_L_0									
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4411E+04	-4.000	0.000	1.000	1.000
40.28	0.000	0.000	Strato1_2_8_L_0									
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4411E+04	-4.200	0.000	1.000	1.000
42.29	0.000	0.000	Strato1_2_8_L_0									
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4411E+04	-4.400	0.000	1.000	1.000
44.31	0.000	0.000	Strato1_2_8_L_0									
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4411E+04	-4.600	0.000	1.000	1.000
46.32	0.000	0.000	Strato1_2_8_L_0									
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4411E+04	-4.800	0.000	1.000	1.000
48.34	0.000	0.000	Strato1_2_8_L_0									
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4411E+04	-5.000	0.000	1.000	1.000
50.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4411E+04	-5.200	0.000	1.000	1.000
52.36	0.000	0.000	Strato1_2_8_L_0									
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4411E+04	-5.400	0.000	1.000	1.000
54.38	0.000	0.000	Strato1_2_8_L_0									
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4411E+04	-5.600	0.000	1.000	1.000
56.39	0.000	0.000	Strato1_2_8_L_0									
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4411E+04	-5.800	0.000	1.000	1.000
58.41	0.000	0.000	Strato1_2_8_L_0									
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4411E+04	-6.000	0.000	1.000	1.000
60.42	0.000	0.000	Strato1_2_8_L_0									
32 D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.4411E+04	-6.200	0.000	1.000	1.000
62.43	0.000	0.000	Strato1_2_8_L_0									
33 D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.4411E+04	-6.400	0.000	1.000	1.000
64.45	0.000	0.000	Strato1_2_8_L_0									
34 D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.4411E+04	-6.600	0.000	1.000	1.000
66.46	0.000	0.000	Strato1_2_8_L_0									
35 D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.4411E+04	-6.800	0.000	1.000	1.000
68.48	0.000	0.000	Strato1_2_8_L_0									
36 D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.4411E+04	-7.000	0.000	1.000	1.000
70.49	0.000	0.000	Strato1_2_8_L_0									
37 D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.4411E+04	-7.200	0.000	1.000	1.000
72.50	0.000	0.000	Strato1_2_8_L_0									
38 D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.4411E+04	-7.400	0.000	1.000	1.000
74.52	0.000	0.000	Strato1_2_8_L_0									
39 D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.4411E+04	-7.600	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
40 D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.4411E+04	-7.800	0.000	1.000	1.000
78.55	0.000	0.000	Strato1_2_8_L_0									
41 D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.4411E+04	-8.000	0.000	1.000	1.000
80.56	0.000	0.000	Strato1_2_8_L_0									
42 D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.4411E+04	-8.200	0.000	1.000	1.000
82.57	0.000	0.000	Strato1_2_8_L_0									
43 D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.4411E+04	-8.400	0.000	1.000	1.000
84.59	0.000	0.000	Strato1_2_8_L_0									
44 D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.4411E+04	-8.600	0.000	1.000	1.000
86.60	0.000	0.000	Strato1_2_8_L_0									
45 D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	3.9996E+04	-8.800	0.000	1.000	1.000
83.65	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	3.9996E+04	-9.000	0.000	1.000	1.000
85.65	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	3.9996E+04	-9.200	0.000	1.000	1.000
87.65	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	3.9996E+04	-9.400	0.000	1.000	1.000
89.65	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	3.9996E+04	-9.600	0.000	1.000	1.000
91.65	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	3.9996E+04	-9.800	0.000	1.000	1.000
93.65	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	3.9996E+04	-10.00	0.000	1.000	1.000
95.65	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.53	0.000	195.3	97.65	195.3	97.65	V-C	3.9996E+04	-10.20	0.000	1.000	1.000
97.65	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.93	0.000	199.3	99.65	199.3	99.65	V-C	3.9996E+04	-10.40	0.000	1.000	1.000
99.65	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.33	0.000	203.3	101.6	203.3	101.6	V-C	3.9996E+04	-10.60	0.000	1.000	1.000
101.6	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.73	0.000	207.3	103.6	207.3	103.6	V-C	3.9996E+04	-10.80	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.13	0.000	211.3	105.6	211.3	105.6	V-C	3.9996E+04	-11.00	0.000	1.000	1.000
105.6	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.53	0.000	215.3	107.6	215.3	107.6	V-C	3.9996E+04	-11.20	0.000	1.000	1.000
107.6	0.000	0.000	Strato2_3095_82743_L_0									
58 D	21.93	0.000	219.3	109.6	219.3	109.6	V-C	3.9996E+04	-11.40	0.000	1.000	1.000
109.6	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.33	0.000	223.3	111.6	223.3	111.6	V-C	3.9996E+04	-11.60	0.000	1.000	1.000
111.6	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.73	0.000	227.3	113.6	227.3	113.6	V-C	3.9996E+04	-11.80	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									

61	D	23.13	0.000	231.3	115.6	231.3	115.6	V-C	3.9996E+04	-12.00	0.000	1.000	1.000	115.6
0.000	0.000	Strato2_3095_82743_L_0												
62	D	23.53	0.000	235.3	117.6	235.3	117.6	V-C	3.9996E+04	-12.20	0.000	1.000	1.000	117.6
0.000	0.000	Strato2_3095_82743_L_0												
63	D	23.93	0.000	239.3	119.6	239.3	119.6	V-C	3.9996E+04	-12.40	0.000	1.000	1.000	119.6
0.000	0.000	Strato2_3095_82743_L_0												
64	D	24.33	0.000	243.3	121.6	243.3	121.6	V-C	3.9996E+04	-12.60	0.000	1.000	1.000	121.6
0.000	0.000	Strato2_3095_82743_L_0												
65	D	24.73	0.000	247.3	123.6	247.3	123.6	V-C	3.9996E+04	-12.80	0.000	1.000	1.000	123.6
0.000	0.000	Strato2_3095_82743_L_0												
66	D	25.13	0.000	251.3	125.6	251.3	125.6	V-C	3.9996E+04	-13.00	0.000	1.000	1.000	125.6
0.000	0.000	Strato2_3095_82743_L_0												
67	D	25.53	0.000	255.3	127.6	255.3	127.6	V-C	3.9996E+04	-13.20	0.000	1.000	1.000	127.6
0.000	0.000	Strato2_3095_82743_L_0												
68	D	25.93	0.000	259.3	129.6	259.3	129.6	V-C	3.9996E+04	-13.40	0.000	1.000	1.000	129.6
0.000	0.000	Strato2_3095_82743_L_0												
69	D	26.33	0.000	263.3	131.6	263.3	131.6	V-C	3.9996E+04	-13.60	0.000	1.000	1.000	131.6
0.000	0.000	Strato2_3095_82743_L_0												
70	D	26.73	0.000	267.3	133.6	267.3	133.6	V-C	3.9996E+04	-13.80	0.000	1.000	1.000	133.6
0.000	0.000	Strato2_3095_82743_L_0												
71	D	27.13	0.000	271.3	135.6	271.3	135.6	V-C	3.9996E+04	-14.00	0.000	1.000	1.000	135.6
0.000	0.000	Strato2_3095_82743_L_0												
72	D	27.53	0.000	275.3	137.6	275.3	137.6	V-C	3.9996E+04	-14.20	0.000	1.000	1.000	137.6
0.000	0.000	Strato2_3095_82743_L_0												
73	D	27.93	0.000	279.3	139.6	279.3	139.6	V-C	3.9996E+04	-14.40	0.000	1.000	1.000	139.6
0.000	0.000	Strato2_3095_82743_L_0												
74	D	28.33	0.000	283.3	141.6	283.3	141.6	V-C	3.9996E+04	-14.60	0.000	1.000	1.000	141.6
0.000	0.000	Strato2_3095_82743_L_0												
75	D	28.73	0.000	287.3	143.6	287.3	143.6	V-C	3.9996E+04	-14.80	0.000	1.000	1.000	143.6
0.000	0.000	Strato2_3095_82743_L_0												
76	D	29.13	0.000	291.3	145.6	291.3	145.6	V-C	3.9996E+04	-15.00	0.000	1.000	1.000	145.6
0.000	0.000	Strato2_3095_82743_L_0												
77	D	29.53	0.000	295.3	147.6	295.3	147.6	V-C	3.9996E+04	-15.20	0.000	1.000	1.000	147.6
0.000	0.000	Strato2_3095_82743_L_0												
78	D	29.93	0.000	299.3	149.6	299.3	149.6	V-C	3.9996E+04	-15.40	0.000	1.000	1.000	149.6
0.000	0.000	Strato2_3095_82743_L_0												
79	D	30.33	0.000	303.3	151.6	303.3	151.6	V-C	3.9996E+04	-15.60	0.000	1.000	1.000	151.6
0.000	0.000	Strato2_3095_82743_L_0												
80	D	30.73	0.000	307.3	153.6	307.3	153.6	V-C	3.9996E+04	-15.80	0.000	1.000	1.000	153.6
0.000	0.000	Strato2_3095_82743_L_0												
81	D	15.56	0.000	311.3	155.6	311.3	155.6	V-C	3.9996E+04	-16.00	0.000	1.000	1.000	155.6
0.000	0.000	Strato2_3095_82743_L_0												

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
 |                                  Exe Time :29 July 2019      18:01:12                                                   |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq
Su_a	Su_p	LAYER												
1	D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.2197E+04	0.000	0.000	1.000	1.000	0.000
0.000	0.000	Strato1_2_8_L_0												
2	D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.2197E+04	-0.2000	0.000	1.000	1.000	2.014
0.000	0.000	Strato1_2_8_L_0												
3	D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.2197E+04	-0.4000	0.000	1.000	1.000	4.028
0.000	0.000	Strato1_2_8_L_0												
4	D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.2197E+04	-0.6000	0.000	1.000	1.000	6.042
0.000	0.000	Strato1_2_8_L_0												
5	D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.2197E+04	-0.8000	0.000	1.000	1.000	8.056
0.000	0.000	Strato1_2_8_L_0												
6	D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.2197E+04	-1.000	0.000	1.000	1.000	10.07
0.000	0.000	Strato1_2_8_L_0												
7	D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.2197E+04	-1.200	0.000	1.000	1.000	12.08
0.000	0.000	Strato1_2_8_L_0												
8	D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.2197E+04	-1.400	0.000	1.000	1.000	14.10
0.000	0.000	Strato1_2_8_L_0												

9	D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.2197E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10	D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.2197E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11	D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.2197E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12	D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.2197E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13	D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.2197E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14	D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.2197E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15	D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.2197E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16	D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.2197E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17	D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.2197E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18	D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.2197E+04	-3.400	0.000	1.000	1.000	34.24	0.000	0.000	Strato1_2_8_L_0
19	D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.2197E+04	-3.600	0.000	1.000	1.000	36.25	0.000	0.000	Strato1_2_8_L_0
20	D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.2197E+04	-3.800	0.000	1.000	1.000	38.27	0.000	0.000	Strato1_2_8_L_0
21	D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.2197E+04	-4.000	0.000	1.000	1.000	40.28	0.000	0.000	Strato1_2_8_L_0
22	D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.2197E+04	-4.200	0.000	1.000	1.000	42.29	0.000	0.000	Strato1_2_8_L_0
23	D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.2197E+04	-4.400	0.000	1.000	1.000	44.31	0.000	0.000	Strato1_2_8_L_0
24	D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.2197E+04	-4.600	0.000	1.000	1.000	46.32	0.000	0.000	Strato1_2_8_L_0
25	D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.2197E+04	-4.800	0.000	1.000	1.000	48.34	0.000	0.000	Strato1_2_8_L_0
26	D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.2197E+04	-5.000	0.000	1.000	1.000	50.35	0.000	0.000	Strato1_2_8_L_0
27	D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.2197E+04	-5.200	0.000	1.000	1.000	52.36	0.000	0.000	Strato1_2_8_L_0
28	D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.2197E+04	-5.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
29	D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.2197E+04	-5.600	0.000	1.000	1.000	56.39	0.000	0.000	Strato1_2_8_L_0
30	D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.2197E+04	-5.800	0.000	1.000	1.000	58.41	0.000	0.000	Strato1_2_8_L_0
31	D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.2197E+04	-6.000	0.000	1.000	1.000	60.42	0.000	0.000	Strato1_2_8_L_0
32	D	12.49	0.000	117.8	62.43	117.8	62.43	V-C	1.2197E+04	-6.200	0.000	1.000	1.000	62.43	0.000	0.000	Strato1_2_8_L_0
33	D	12.89	0.000	121.6	64.45	121.6	64.45	V-C	1.2197E+04	-6.400	0.000	1.000	1.000	64.45	0.000	0.000	Strato1_2_8_L_0
34	D	13.29	0.000	125.4	66.46	125.4	66.46	V-C	1.2197E+04	-6.600	0.000	1.000	1.000	66.46	0.000	0.000	Strato1_2_8_L_0
35	D	13.70	0.000	129.2	68.48	129.2	68.48	V-C	1.2197E+04	-6.800	0.000	1.000	1.000	68.48	0.000	0.000	Strato1_2_8_L_0
36	D	14.10	0.000	133.0	70.49	133.0	70.49	V-C	1.2197E+04	-7.000	0.000	1.000	1.000	70.49	0.000	0.000	Strato1_2_8_L_0
37	D	14.50	0.000	136.8	72.50	136.8	72.50	V-C	1.2197E+04	-7.200	0.000	1.000	1.000	72.50	0.000	0.000	Strato1_2_8_L_0
38	D	14.90	0.000	140.6	74.52	140.6	74.52	V-C	1.2197E+04	-7.400	0.000	1.000	1.000	74.52	0.000	0.000	Strato1_2_8_L_0
39	D	15.31	0.000	144.4	76.53	144.4	76.53	V-C	1.2197E+04	-7.600	0.000	1.000	1.000	76.53	0.000	0.000	Strato1_2_8_L_0
40	D	15.71	0.000	148.2	78.55	148.2	78.55	V-C	1.2197E+04	-7.800	0.000	1.000	1.000	78.55	0.000	0.000	Strato1_2_8_L_0
41	D	16.11	0.000	152.0	80.56	152.0	80.56	V-C	1.2197E+04	-8.000	0.000	1.000	1.000	80.56	0.000	0.000	Strato1_2_8_L_0
42	D	16.51	0.000	155.8	82.57	155.8	82.57	V-C	1.2197E+04	-8.200	0.000	1.000	1.000	82.57	0.000	0.000	Strato1_2_8_L_0
43	D	16.92	0.000	159.6	84.59	159.6	84.59	V-C	1.2197E+04	-8.400	0.000	1.000	1.000	84.59	0.000	0.000	Strato1_2_8_L_0
44	D	17.32	0.000	163.4	86.60	163.4	86.60	V-C	1.2197E+04	-8.600	0.000	1.000	1.000	86.60	0.000	0.000	Strato1_2_8_L_0
45	D	16.73	0.000	167.3	83.65	167.3	83.65	V-C	2.7468E+04	-8.800	0.000	1.000	1.000	83.65	0.000	0.000	Strato2_3095_82743_L_0
46	D	17.13	0.000	171.3	85.65	171.3	85.65	V-C	2.7468E+04	-9.000	0.000	1.000	1.000	85.65	0.000	0.000	Strato2_3095_82743_L_0
47	D	17.53	0.000	175.3	87.65	175.3	87.65	V-C	2.7468E+04	-9.200	0.000	1.000	1.000	87.65	0.000	0.000	Strato2_3095_82743_L_0
48	D	17.93	0.000	179.3	89.65	179.3	89.65	V-C	2.7468E+04	-9.400	0.000	1.000	1.000	89.65	0.000	0.000	Strato2_3095_82743_L_0
49	D	18.33	0.000	183.3	91.65	183.3	91.65	V-C	2.7468E+04	-9.600	0.000	1.000	1.000	91.65	0.000	0.000	Strato2_3095_82743_L_0
50	D	18.73	0.000	187.3	93.65	187.3	93.65	V-C	2.7468E+04	-9.800	0.000	1.000	1.000	93.65	0.000	0.000	Strato2_3095_82743_L_0
51	D	19.13	0.000	191.3	95.65	191.3	95.65	V-C	2.7468E+04	-10.00	0.000	1.000	1.000				

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95.65       0.000       0.000     Strato2_3095_82743_L_0
  52 D   19.53       0.000       195.3       97.65       195.3       97.65            V-C  2.7468E+04  -10.20       0.000       1.000       1.000
97.65       0.000       0.000     Strato2_3095_82743_L_0
  53 D   19.93       0.000       199.3       99.65       199.3       99.65            V-C  2.7468E+04  -10.40       0.000       1.000       1.000
99.65       0.000       0.000     Strato2_3095_82743_L_0
  54 D   20.33       0.000       203.3       101.6       203.3       101.6            V-C  2.7468E+04  -10.60       0.000       1.000       1.000
101.6       0.000       0.000     Strato2_3095_82743_L_0
  55 D   20.73       0.000       207.3       103.6       207.3       103.6            V-C  2.7468E+04  -10.80       0.000       1.000       1.000
103.6       0.000       0.000     Strato2_3095_82743_L_0
  56 D   21.13       0.000       211.3       105.6       211.3       105.6            V-C  2.7468E+04  -11.00       0.000       1.000       1.000
105.6       0.000       0.000     Strato2_3095_82743_L_0
  57 D   21.53       0.000       215.3       107.6       215.3       107.6            V-C  2.7468E+04  -11.20       0.000       1.000       1.000
107.6       0.000       0.000     Strato2_3095_82743_L_0
  58 D   21.93       0.000       219.3       109.6       219.3       109.6            V-C  2.7468E+04  -11.40       0.000       1.000       1.000
109.6       0.000       0.000     Strato2_3095_82743_L_0
  59 D   22.33       0.000       223.3       111.6       223.3       111.6            V-C  2.7468E+04  -11.60       0.000       1.000       1.000
111.6       0.000       0.000     Strato2_3095_82743_L_0
  60 D   22.73       0.000       227.3       113.6       227.3       113.6            V-C  2.7468E+04  -11.80       0.000       1.000       1.000
113.6       0.000       0.000     Strato2_3095_82743_L_0
  61 D   23.13       0.000       231.3       115.6       231.3       115.6            V-C  2.7468E+04  -12.00       0.000       1.000       1.000
115.6       0.000       0.000     Strato2_3095_82743_L_0
  62 D   23.53       0.000       235.3       117.6       235.3       117.6            V-C  2.7468E+04  -12.20       0.000       1.000       1.000
117.6       0.000       0.000     Strato2_3095_82743_L_0
  63 D   23.93       0.000       239.3       119.6       239.3       119.6            V-C  2.7468E+04  -12.40       0.000       1.000       1.000
119.6       0.000       0.000     Strato2_3095_82743_L_0
  64 D   24.33       0.000       243.3       121.6       243.3       121.6            V-C  2.7468E+04  -12.60       0.000       1.000       1.000
121.6       0.000       0.000     Strato2_3095_82743_L_0
  65 D   24.73       0.000       247.3       123.6       247.3       123.6            V-C  2.7468E+04  -12.80       0.000       1.000       1.000
123.6       0.000       0.000     Strato2_3095_82743_L_0
  66 D   25.13       0.000       251.3       125.6       251.3       125.6            V-C  2.7468E+04  -13.00       0.000       1.000       1.000
125.6       0.000       0.000     Strato2_3095_82743_L_0
  67 D   25.53       0.000       255.3       127.6       255.3       127.6            V-C  2.7468E+04  -13.20       0.000       1.000       1.000
127.6       0.000       0.000     Strato2_3095_82743_L_0
  68 D   25.93       0.000       259.3       129.6       259.3       129.6            V-C  2.7468E+04  -13.40       0.000       1.000       1.000
129.6       0.000       0.000     Strato2_3095_82743_L_0
  69 D   26.33       0.000       263.3       131.6       263.3       131.6            V-C  2.7468E+04  -13.60       0.000       1.000       1.000
131.6       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.73       0.000       267.3       133.6       267.3       133.6            V-C  2.7468E+04  -13.80       0.000       1.000       1.000
133.6       0.000       0.000     Strato2_3095_82743_L_0
  71 D   27.13       0.000       271.3       135.6       271.3       135.6            V-C  2.7468E+04  -14.00       0.000       1.000       1.000
135.6       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.53       0.000       275.3       137.6       275.3       137.6            V-C  2.7468E+04  -14.20       0.000       1.000       1.000
137.6       0.000       0.000     Strato2_3095_82743_L_0
  73 D   27.93       0.000       279.3       139.6       279.3       139.6            V-C  2.7468E+04  -14.40       0.000       1.000       1.000
139.6       0.000       0.000     Strato2_3095_82743_L_0
  74 D   28.33       0.000       283.3       141.6       283.3       141.6            V-C  2.7468E+04  -14.60       0.000       1.000       1.000
141.6       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.73       0.000       287.3       143.6       287.3       143.6            V-C  2.7468E+04  -14.80       0.000       1.000       1.000
143.6       0.000       0.000     Strato2_3095_82743_L_0
  76 D   29.13       0.000       291.3       145.6       291.3       145.6            V-C  2.7468E+04  -15.00       0.000       1.000       1.000
145.6       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.53       0.000       295.3       147.6       295.3       147.6            V-C  2.7468E+04  -15.20       0.000       1.000       1.000
147.6       0.000       0.000     Strato2_3095_82743_L_0
  78 D   29.93       0.000       299.3       149.6       299.3       149.6            V-C  2.7468E+04  -15.40       0.000       1.000       1.000
149.6       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.33       0.000       303.3       151.6       303.3       151.6            V-C  2.7468E+04  -15.60       0.000       1.000       1.000
151.6       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.73       0.000       307.3       153.6       307.3       153.6            V-C  2.7468E+04  -15.80       0.000       1.000       1.000
153.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   15.56       0.000       311.3       155.6       311.3       155.6            V-C  2.7468E+04  -16.00       0.000       1.000       1.000
155.6       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                   Exe Time :29 July 2019      18:01:12                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T    T I M E    I S      1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
```

2	0.0000	0.0000	0.0000	0.0000
3	0.0000	0.0000	0.0000	0.0000
4	0.0000	0.0000	0.0000	0.0000
5	0.0000	0.0000	0.0000	0.0000
6	0.0000	0.0000	0.0000	0.0000
7	0.0000	0.0000	0.0000	0.0000
8	0.0000	0.0000	0.0000	0.0000
9	0.0000	0.0000	0.0000	0.0000
10	0.0000	0.0000	0.0000	0.0000
11	0.0000	0.0000	0.0000	0.0000
12	0.0000	0.0000	0.0000	0.0000
13	0.0000	0.0000	0.0000	0.0000
14	0.0000	0.0000	0.0000	0.0000
15	0.0000	0.0000	0.0000	0.0000
16	0.0000	0.0000	0.0000	0.0000
17	0.0000	0.0000	0.0000	0.0000
18	0.0000	0.0000	0.0000	0.0000
19	0.0000	0.0000	0.0000	0.0000
20	0.0000	0.0000	0.0000	0.0000
21	0.0000	0.0000	0.0000	0.0000
22	0.0000	0.0000	0.0000	0.0000
23	0.0000	0.0000	0.0000	0.0000
24	0.0000	0.0000	0.0000	0.0000
25	0.0000	0.0000	0.0000	0.0000
26	0.0000	0.0000	0.0000	0.0000
27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000
61	0.0000	0.0000	0.0000	0.0000
62	0.0000	0.0000	0.0000	0.0000
63	0.0000	0.0000	0.0000	0.0000
64	0.0000	0.0000	0.0000	0.0000
65	0.0000	0.0000	0.0000	0.0000
66	0.0000	0.0000	0.0000	0.0000
67	0.0000	0.0000	0.0000	0.0000
68	0.0000	0.0000	0.0000	0.0000
69	0.0000	0.0000	0.0000	0.0000
70	0.0000	0.0000	0.0000	0.0000
71	0.0000	0.0000	0.0000	0.0000
72	0.0000	0.0000	0.0000	0.0000
73	0.0000	0.0000	0.0000	0.0000
74	0.0000	0.0000	0.0000	0.0000
75	0.0000	0.0000	0.0000	0.0000
76	0.0000	0.0000	0.0000	0.0000
77	0.0000	0.0000	0.0000	0.0000
78	0.0000	0.0000	0.0000	0.0000
79	0.0000	0.0000	0.0000	0.0000
80	0.0000	0.0000	0.0000	0.0000

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|                                                                                                                        |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                  Exe Time :29 July 2019      18:01:12                                                |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                      :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K      -ve limit    +ve limit
------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER      0 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5352E+05 RIMNOR= 0.000
           RENORM= 68.61      REMNOR= 0.000      RATIO =0.3580E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.63      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5352E+05 RDR   = 0.000
           RATIOT=0.3580E-01 RATIOR= 0.000
           MAX UN=0.9994      IEQ=     15 NODE      8 DOF    1  Y-DISPL.F
           MIN UN= 0.000      IEQ=      2 NODE      1 DOF    2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      2 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5352E+05 RIMNOR= 0.000
           RENORM=0.3423      REMNOR=0.1679E-21 RATIO =0.2529E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.63      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5352E+05 RDR   = 0.000
           RATIOT=0.2529E-02 RATIOR= 0.000
           MAX UN=0.4466      IEQ=      3 NODE      2 DOF    1  Y-DISPL.F
           MIN UN=-.6628E-10 IEQ=     65 NODE     33 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      3 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5352E+05 RIMNOR= 0.000
           RENORM=0.1136E-02 REMNOR=0.2927E-22 RATIO =0.1457E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 31.63      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5352E+05 RDR   = 0.000
           RATIOT=0.1457E-03 RATIOR= 0.000
           MAX UN=0.2351E-01 IEQ=     11 NODE      6 DOF    1  Y-DISPL.F
           MIN UN=-.2832E-10 IEQ=     13 NODE      7 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0


ITER      4 RNORM = 0.000      RMNORM= 0.000
           RINORM=0.5352E+05 RIMNOR= 0.000
           RENORM=0.8063E-06 REMNOR=0.2203E-22 RATIO =0.3881E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 31.63      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.5352E+05 RDR   = 0.000
           RATIOT=0.3881E-05 RATIOR= 0.000
           MAX UN=0.7637E-03 IEQ=     49 NODE     25 DOF    1  Y-DISPL.F
           MIN UN=-.1766E-10 IEQ=     37 NODE     19 DOF    1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS      0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.1131608E-04  -7.3130492E-06
    2   1.0985425E-04  -7.3014759E-06
    3   1.0839725E-04  -7.2635101E-06
    4   1.0695100E-04  -7.1931027E-06
    5   1.0552243E-04  -7.0864320E-06
    6   1.0411884E-04  -6.9436743E-06
    7   1.0274705E-04  -6.7696205E-06
    8   1.0141260E-04  -6.5714042E-06
    9   1.0011966E-04  -6.3555287E-06
   10   9.8871058E-05  -6.1296099E-06
   11   9.7667914E-05  -5.9022442E-06
   12   9.6509772E-05  -5.6807075E-06
   13   9.5394836E-05  -5.4711070E-06
   14   9.4320196E-05  -5.2784996E-06
   15   9.3282029E-05  -5.1069857E-06
   16   9.2275781E-05  -4.9597858E-06
   17   9.1296253E-05  -4.8405149E-06
   18   9.0337447E-05  -4.7531555E-06
   19   8.9392656E-05  -4.7008187E-06
   20   8.8454632E-05  -4.6857951E-06
   21   8.7515750E-05  -4.7095950E-06
   22   8.6568155E-05  -4.7729797E-06
   23   8.5603917E-05  -4.8759841E-06
   24   8.4615171E-05  -5.0179305E-06
   25   8.3594192E-05  -5.1982394E-06
   26   8.2533351E-05  -5.4164096E-06
   27   8.1425190E-05  -5.6711575E-06
   28   8.0262590E-05  -5.9603708E-06
   29   7.9038946E-05  -6.2811037E-06
   30   7.7748305E-05  -6.6295748E-06
   31   7.6385576E-05  -7.0011436E-06
   32   7.4946635E-05  -7.3909145E-06
   33   7.3428343E-05  -7.7936915E-06
   34   7.1828702E-05  -8.2033140E-06
   35   7.0147047E-05  -8.6126279E-06
   36   6.8384224E-05  -9.0134648E-06
   37   6.6542841E-05  -9.3965990E-06
   38   6.4627452E-05  -9.7517249E-06
   39   6.2644780E-05  -1.0067425E-05
   40   6.0603925E-05  -1.0331629E-05
   41   5.8516422E-05  -1.0531581E-05
   42   5.6396508E-05  -1.0653309E-05
   43   5.4261326E-05  -1.0681620E-05
   44   5.2131182E-05  -1.0600090E-05
   45   5.0029800E-05  -1.0391069E-05
   46   4.7982983E-05  -1.0058774E-05
   47   4.6012800E-05  -9.6288291E-06
   48   4.4136420E-05  -9.1243574E-06
   49   4.2366669E-05  -8.5657080E-06
   50   4.0712576E-05  -7.9706009E-06
   51   3.9179852E-05  -7.3542737E-06
   52   3.7771445E-05  -6.7296810E-06
   53   3.6487840E-05  -6.1076060E-06
   54   3.5327644E-05  -5.4969152E-06
   55   3.4287821E-05  -4.9050160E-06
   56   3.3363976E-05  -4.3380346E-06
   57   3.2550634E-05  -3.8006447E-06
   58   3.1841520E-05  -3.2962275E-06
   59   3.1229796E-05  -2.8270238E-06
   60   3.0708280E-05  -2.3942771E-06
   61   3.0269629E-05  -1.9983659E-06
   62   2.9906482E-05  -1.6392209E-06
   63   2.9611518E-05  -1.3164254E-06
   64   2.9377553E-05  -1.0290163E-06
   65   2.9197646E-05  -7.7558214E-07
   66   2.9065174E-05  -5.5434585E-07
   67   2.8973899E-05  -3.6323846E-07
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68	2.8918023E-05	-1.9996332E-07
69	2.8892223E-05	-6.2051975E-08
70	2.8891667E-05	5.2828310E-08
71	2.8911963E-05	1.4683786E-07
72	2.8949158E-05	2.2219384E-07
73	2.8999747E-05	2.8114181E-07
74	2.9060671E-05	3.2593249E-07
75	2.9129325E-05	3.5880326E-07
76	2.9203545E-05	3.8196374E-07
77	2.9281592E-05	3.9734901E-07
78	2.9362077E-05	4.0661472E-07
79	2.9443937E-05	4.1136997E-07
80	2.9526428E-05	4.1317295E-07
81	2.9609114E-05	4.1352787E-07

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:01:12

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.4875	-1.1132E-04	13.00	4.875	13.00	6.890	ACTIVE	0.000	0.000	0.000	1.000	1.000	4.875	0.000	0.000	Strato1_2_8_L_0
2 D	0.8075	-1.0985E-04	10.77	4.038	10.77	5.706	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	4.038	0.000	0.000	Strato1_2_8_L_0
3 D	1.188	-1.0840E-04	15.84	5.941	15.84	8.396	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	5.941	0.000	0.000	Strato1_2_8_L_0
4 D	1.512	-1.0695E-04	20.16	7.561	20.16	10.69	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	7.561	0.000	0.000	Strato1_2_8_L_0
5 D	1.818	-1.0552E-04	24.24	9.092	24.24	12.85	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.092	0.000	0.000	Strato1_2_8_L_0
6 D	2.117	-1.0412E-04	28.22	10.58	28.22	14.96	ACTIVE	0.000	-1.000	0.000	1.000	1.000	10.58	0.000	0.000	Strato1_2_8_L_0
7 D	2.518	-1.0275E-04	32.14	12.59	32.14	17.03	UL-RL	4.3234E+04	-1.200	0.000	1.000	1.000	12.59	0.000	0.000	Strato1_2_8_L_0
8 D	2.942	-1.0141E-04	36.03	14.71	36.03	19.09	UL-RL	4.3234E+04	-1.400	0.000	1.000	1.000	14.71	0.000	0.000	Strato1_2_8_L_0
9 D	3.271	-1.0012E-04	39.02	16.35	39.02	20.68	UL-RL	4.3234E+04	-1.600	0.000	1.000	1.000	16.35	0.000	0.000	Strato1_2_8_L_0
10 D	3.700	-9.8871E-05	42.97	18.50	42.97	22.78	UL-RL	4.3234E+04	-1.800	0.000	1.000	1.000	18.50	0.000	0.000	Strato1_2_8_L_0
11 D	4.126	-9.7668E-05	46.89	20.63	46.89	24.85	UL-RL	4.3234E+04	-2.000	0.000	1.000	1.000	20.63	0.000	0.000	Strato1_2_8_L_0
12 D	4.549	-9.6510E-05	50.79	22.75	50.79	26.92	UL-RL	4.3234E+04	-2.200	0.000	1.000	1.000	22.75	0.000	0.000	Strato1_2_8_L_0
13 D	4.970	-9.5395E-05	54.67	24.85	54.67	28.98	UL-RL	4.3234E+04	-2.400	0.000	1.000	1.000	24.85	0.000	0.000	Strato1_2_8_L_0
14 D	5.390	-9.4320E-05	58.54	26.95	58.54	31.03	UL-RL	4.3234E+04	-2.600	0.000	1.000	1.000	26.95	0.000	0.000	Strato1_2_8_L_0
15 D	5.808	-9.3282E-05	62.40	29.04	62.40	33.07	UL-RL	4.3234E+04	-2.800	0.000	1.000	1.000	29.04	0.000	0.000	Strato1_2_8_L_0
16 D	6.174	-9.2276E-05	65.77	30.87	65.77	34.86	UL-RL	4.3234E+04	-3.000	0.000	1.000	1.000	30.87	0.000	0.000	Strato1_2_8_L_0
17 D	6.593	-9.1296E-05	69.65	32.97	69.65	36.91	UL-RL	4.3234E+04	-3.200	0.000	1.000	1.000	32.97	0.000	0.000	Strato1_2_8_L_0
18 D	7.011	-9.0337E-05	73.51	35.06	73.51	38.96	UL-RL	4.3234E+04	-3.400	0.000	1.000	1.000	35.06	0.000	0.000	Strato1_2_8_L_0
19 D	7.429	-8.9393E-05	77.37	37.14	77.37	41.01	UL-RL	4.3234E+04	-3.600	0.000	1.000	1.000	37.14	0.000	0.000	Strato1_2_8_L_0
20 D	7.845	-8.8455E-05	81.23	39.23	81.23	43.05	UL-RL	4.3234E+04	-3.800	0.000	1.000	1.000	39.23	0.000	0.000	Strato1_2_8_L_0
21 D	8.261	-8.7516E-05	85.07	41.31	85.07	45.09	UL-RL	4.3234E+04	-4.000	0.000	1.000	1.000	41.31	0.000	0.000	Strato1_2_8_L_0
22 D	8.677	-8.6568E-05	88.92	43.38	88.92	47.13	UL-RL	4.3234E+04	-4.200	0.000	1.000	1.000	43.38	0.000	0.000	Strato1_2_8_L_0

23 D	9.092	-8.5604E-05	92.76	45.46	92.76	49.16	UL-RL	4.3234E+04	-4.400	0.000	1.000	1.000
45.46	0.000	0.000	Strato1_2_8_L_0									
24 D	9.474	-8.4615E-05	96.28	47.37	96.28	51.03	UL-RL	4.3234E+04	-4.600	0.000	1.000	1.000
47.37	0.000	0.000	Strato1_2_8_L_0									
25 D	9.890	-8.3594E-05	100.1	49.45	100.1	53.07	UL-RL	4.3234E+04	-4.800	0.000	1.000	1.000
49.45	0.000	0.000	Strato1_2_8_L_0									
26 D	10.31	-8.2533E-05	104.0	51.53	104.0	55.10	UL-RL	4.3234E+04	-5.000	0.000	1.000	1.000
51.53	0.000	0.000	Strato1_2_8_L_0									
27 D	10.72	-8.1425E-05	107.8	53.62	107.8	57.14	UL-RL	4.3234E+04	-5.200	0.000	1.000	1.000
53.62	0.000	0.000	Strato1_2_8_L_0									
28 D	11.14	-8.0263E-05	111.6	55.70	111.6	59.17	UL-RL	4.3234E+04	-5.400	0.000	1.000	1.000
55.70	0.000	0.000	Strato1_2_8_L_0									
29 D	11.56	-7.9039E-05	115.5	57.79	115.5	61.20	UL-RL	4.3234E+04	-5.600	0.000	1.000	1.000
57.79	0.000	0.000	Strato1_2_8_L_0									
30 D	11.97	-7.7748E-05	119.3	59.87	119.3	63.23	UL-RL	4.3234E+04	-5.800	0.000	1.000	1.000
59.87	0.000	0.000	Strato1_2_8_L_0									
31 D	12.37	-7.6386E-05	122.9	61.83	122.9	65.13	UL-RL	4.3234E+04	-6.000	0.000	1.000	1.000
61.83	0.000	0.000	Strato1_2_8_L_0									
32 D	12.79	-7.4947E-05	126.7	63.93	126.7	67.17	UL-RL	4.3234E+04	-6.200	0.000	1.000	1.000
63.93	0.000	0.000	Strato1_2_8_L_0									
33 D	13.20	-7.3428E-05	130.6	66.02	130.6	69.20	UL-RL	4.3234E+04	-6.400	0.000	1.000	1.000
66.02	0.000	0.000	Strato1_2_8_L_0									
34 D	13.62	-7.1829E-05	134.4	68.12	134.4	71.23	UL-RL	4.3234E+04	-6.600	0.000	1.000	1.000
68.12	0.000	0.000	Strato1_2_8_L_0									
35 D	14.05	-7.0147E-05	138.2	70.23	138.2	73.26	UL-RL	4.3234E+04	-6.800	0.000	1.000	1.000
70.23	0.000	0.000	Strato1_2_8_L_0									
36 D	14.47	-6.8384E-05	142.1	72.33	142.1	75.29	UL-RL	4.3234E+04	-7.000	0.000	1.000	1.000
72.33	0.000	0.000	Strato1_2_8_L_0									
37 D	14.89	-6.6543E-05	145.9	74.44	145.9	77.31	UL-RL	4.3234E+04	-7.200	0.000	1.000	1.000
74.44	0.000	0.000	Strato1_2_8_L_0									
38 D	15.31	-6.4627E-05	149.7	76.55	149.7	79.34	UL-RL	4.3234E+04	-7.400	0.000	1.000	1.000
76.55	0.000	0.000	Strato1_2_8_L_0									
39 D	15.71	-6.2645E-05	153.3	78.56	153.3	81.27	UL-RL	4.3234E+04	-7.600	0.000	1.000	1.000
78.56	0.000	0.000	Strato1_2_8_L_0									
40 D	16.13	-6.0604E-05	157.2	80.67	157.2	83.29	UL-RL	4.3234E+04	-7.800	0.000	1.000	1.000
80.67	0.000	0.000	Strato1_2_8_L_0									
41 D	16.56	-5.8516E-05	161.0	82.79	161.0	85.32	UL-RL	4.3234E+04	-8.000	0.000	1.000	1.000
82.79	0.000	0.000	Strato1_2_8_L_0									
42 D	16.98	-5.6397E-05	164.8	84.91	164.8	87.35	UL-RL	4.3234E+04	-8.200	0.000	1.000	1.000
84.91	0.000	0.000	Strato1_2_8_L_0									
43 D	17.41	-5.4261E-05	168.6	87.03	168.6	89.38	UL-RL	4.3234E+04	-8.400	0.000	1.000	1.000
87.03	0.000	0.000	Strato1_2_8_L_0									
44 D	17.83	-5.2131E-05	172.5	89.15	172.5	91.40	UL-RL	4.3234E+04	-8.600	0.000	1.000	1.000
89.15	0.000	0.000	Strato1_2_8_L_0									
45 D	16.44	-5.0030E-05	176.4	82.19	176.4	88.19	UL-RL	1.1999E+05	-8.800	0.000	1.000	1.000
82.19	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.87	-4.7983E-05	180.2	84.36	180.2	90.12	UL-RL	1.1999E+05	-9.000	0.000	1.000	1.000
84.36	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.32	-4.6013E-05	184.3	86.61	184.3	92.13	UL-RL	1.1999E+05	-9.200	0.000	1.000	1.000
86.61	0.000	0.000	Strato2_3095_82743_L_0									
48 D	17.77	-4.4136E-05	188.3	88.84	188.3	94.14	UL-RL	1.1999E+05	-9.400	0.000	1.000	1.000
88.84	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.21	-4.2367E-05	192.3	91.07	192.3	96.15	UL-RL	1.1999E+05	-9.600	0.000	1.000	1.000
91.07	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.66	-4.0713E-05	196.3	93.28	196.3	98.16	UL-RL	1.1999E+05	-9.800	0.000	1.000	1.000
93.28	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.09	-3.9180E-05	200.3	95.47	200.3	100.2	UL-RL	1.1999E+05	-10.00	0.000	1.000	1.000
95.47	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.53	-3.7771E-05	204.4	97.65	204.4	102.2	UL-RL	1.1999E+05	-10.20	0.000	1.000	1.000
97.65	0.000	0.000	Strato2_3095_82743_L_0									
53 D	19.96	-3.6488E-05	208.4	99.81	208.4	104.2	UL-RL	1.1999E+05	-10.40	0.000	1.000	1.000
99.81	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.38	-3.5328E-05	212.3	101.9	212.3	106.1	UL-RL	1.1999E+05	-10.60	0.000	1.000	1.000
101.9	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.80	-3.4288E-05	216.3	104.0	216.3	108.1	UL-RL	1.1999E+05	-10.80	0.000	1.000	1.000
104.0	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.23	-3.3364E-05	220.3	106.1	220.3	110.1	UL-RL	1.1999E+05	-11.00	0.000	1.000	1.000
106.1	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.65	-3.2551E-05	224.3	108.2	224.3	112.2	UL-RL	1.1999E+05	-11.20	0.000	1.000	1.000
108.2	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.07	-3.1842E-05	228.3	110.3	228.3	114.2	UL-RL	1.1999E+05	-11.40	0.000	1.000	1.000
110.3	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.49	-3.1230E-05	232.3	112.4	232.3	116.2	UL-RL	1.1999E+05	-11.60	0.000	1.000	1.000
112.4	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.90	-3.0708E-05	236.4	114.5	236.4	118.2	UL-RL	1.1999E+05	-11.80	0.000	1.000	1.000
114.5	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.30	-3.0270E-05	240.3	116.5	240.3	120.1	UL-RL	1.1999E+05	-12.00	0.000	1.000	1.000
116.5	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.71	-2.9906E-05	244.3	118.5	244.3	122.1	UL-RL	1.1999E+05	-12.20	0.000	1.000	1.000
118.5	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.12	-2.9612E-05	248.3	120.6	248.3	124.1	UL-RL	1.1999E+05	-12.40	0.000	1.000	1.000
120.6	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.53	-2.9378E-05	252.3	122.6	252.3	126.2	UL-RL	1.1999E+05	-12.60	0.000	1.000	1.000
122.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.93	-2.9198E-05	256.3	124.7	256.3	128.2	UL-RL	1.1999E+05	-12.80	0.000	1.000	1.000

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124.7       0.000       0.000     Strato2_3095_82743_L_0
  66 D   25.34     -2.9065E-05   260.3       126.7       260.3       130.2          UL-RL  1.1999E+05  -13.00       0.000       1.000       1.000
126.7       0.000       0.000     Strato2_3095_82743_L_0
  67 D   25.74     -2.8974E-05   264.3       128.7       264.3       132.2          UL-RL  1.1999E+05  -13.20       0.000       1.000       1.000
128.7       0.000       0.000     Strato2_3095_82743_L_0
  68 D   26.14     -2.8918E-05   268.4       130.7       268.4       134.2          UL-RL  1.1999E+05  -13.40       0.000       1.000       1.000
130.7       0.000       0.000     Strato2_3095_82743_L_0
  69 D   26.53     -2.8892E-05   272.3       132.7       272.3       136.1          UL-RL  1.1999E+05  -13.60       0.000       1.000       1.000
132.7       0.000       0.000     Strato2_3095_82743_L_0
  70 D   26.93     -2.8892E-05   276.3       134.7       276.3       138.1          UL-RL  1.1999E+05  -13.80       0.000       1.000       1.000
134.7       0.000       0.000     Strato2_3095_82743_L_0
  71 D   27.34     -2.8912E-05   280.3       136.7       280.3       140.1          UL-RL  1.1999E+05  -14.00       0.000       1.000       1.000
136.7       0.000       0.000     Strato2_3095_82743_L_0
  72 D   27.74     -2.8949E-05   284.3       138.7       284.3       142.2          UL-RL  1.1999E+05  -14.20       0.000       1.000       1.000
138.7       0.000       0.000     Strato2_3095_82743_L_0
  73 D   28.14     -2.9000E-05   288.3       140.7       288.3       144.2          UL-RL  1.1999E+05  -14.40       0.000       1.000       1.000
140.7       0.000       0.000     Strato2_3095_82743_L_0
  74 D   28.54     -2.9061E-05   292.3       142.7       292.3       146.2          UL-RL  1.1999E+05  -14.60       0.000       1.000       1.000
142.7       0.000       0.000     Strato2_3095_82743_L_0
  75 D   28.94     -2.9129E-05   296.4       144.7       296.4       148.2          UL-RL  1.1999E+05  -14.80       0.000       1.000       1.000
144.7       0.000       0.000     Strato2_3095_82743_L_0
  76 D   29.33     -2.9204E-05   300.3       146.6       300.3       150.1          UL-RL  1.1999E+05  -15.00       0.000       1.000       1.000
146.6       0.000       0.000     Strato2_3095_82743_L_0
  77 D   29.73     -2.9282E-05   304.3       148.6       304.3       152.1          UL-RL  1.1999E+05  -15.20       0.000       1.000       1.000
148.6       0.000       0.000     Strato2_3095_82743_L_0
  78 D   30.12     -2.9362E-05   308.3       150.6       308.3       154.1          UL-RL  1.1999E+05  -15.40       0.000       1.000       1.000
150.6       0.000       0.000     Strato2_3095_82743_L_0
  79 D   30.52     -2.9444E-05   312.3       152.6       312.3       156.2          UL-RL  1.1999E+05  -15.60       0.000       1.000       1.000
152.6       0.000       0.000     Strato2_3095_82743_L_0
  80 D   30.92     -2.9526E-05   316.3       154.6       316.3       158.2          UL-RL  1.1999E+05  -15.80       0.000       1.000       1.000
154.6       0.000       0.000     Strato2_3095_82743_L_0
  81 D   15.66     -2.9609E-05   320.3       156.6       320.3       160.2          UL-RL  1.1999E+05  -16.00       0.000       1.000       1.000
156.6       0.000       0.000     Strato2_3095_82743_L_0
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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                        |
 |                                                                                                                                   |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                                  |
 |                                   Exe Time :29 July 2019      18:01:12                                                            |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000      1.1132E-04   0.000       0.000       0.000       0.000          PASSIVE   0.000       0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.6708      1.0985E-04   3.800       3.354       3.800       3.354            V-C  1.2197E+04 -0.2000       0.000       1.000       1.000
3.354       0.000       0.000     Strato1_2_8_L_0
   3 D   1.070      1.0840E-04   7.600       5.350       7.600       5.350            V-C  1.2197E+04 -0.4000       0.000       1.000       1.000
5.350       0.000       0.000     Strato1_2_8_L_0
   4 D   1.469      1.0695E-04   11.40       7.347       11.40       7.347            V-C  1.2197E+04 -0.6000       0.000       1.000       1.000
7.347       0.000       0.000     Strato1_2_8_L_0
   5 D   1.869      1.0552E-04   15.20       9.343       15.20       9.343            V-C  1.2197E+04 -0.8000       0.000       1.000       1.000
9.343       0.000       0.000     Strato1_2_8_L_0
   6 D   2.268      1.0412E-04   19.00       11.34       19.00       11.34            V-C  1.2197E+04  -1.000       0.000       1.000       1.000
11.34       0.000       0.000     Strato1_2_8_L_0
   7 D   2.667      1.0275E-04   22.80       13.34       22.80       13.34            V-C  1.2197E+04  -1.200       0.000       1.000       1.000
13.34       0.000       0.000     Strato1_2_8_L_0
   8 D   3.067      1.0141E-04   26.60       15.33       26.60       15.33            V-C  1.2197E+04  -1.400       0.000       1.000       1.000
15.33       0.000       0.000     Strato1_2_8_L_0
   9 D   3.467      1.0012E-04   30.40       17.33       30.40       17.33            V-C  1.2197E+04  -1.600       0.000       1.000       1.000
17.33       0.000       0.000     Strato1_2_8_L_0
  10 D   3.866      9.8871E-05   34.20       19.33       34.20       19.33            V-C  1.2197E+04  -1.800       0.000       1.000       1.000
19.33       0.000       0.000     Strato1_2_8_L_0
  11 D   4.266      9.7668E-05   38.00       21.33       38.00       21.33            V-C  1.2197E+04  -2.000       0.000       1.000       1.000
21.33       0.000       0.000     Strato1_2_8_L_0
  12 D   4.666      9.6510E-05   41.80       23.33       41.80       23.33            V-C  1.2197E+04  -2.200       0.000       1.000       1.000
23.33       0.000       0.000     Strato1_2_8_L_0
  13 D   5.066      9.5395E-05   45.60       25.33       45.60       25.33            V-C  1.2197E+04  -2.400       0.000       1.000       1.000
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25.33	0.000	0.000	Strato1_2_8_L_0									
14 D	5.466	9.4320E-05	49.40	27.33	49.40	27.33	V-C	1.2197E+04	-2.600	0.000	1.000	1.000
27.33	0.000	0.000	Strato1_2_8_L_0									
15 D	5.867	9.3282E-05	53.20	29.33	53.20	29.33	V-C	1.2197E+04	-2.800	0.000	1.000	1.000
29.33	0.000	0.000	Strato1_2_8_L_0									
16 D	6.267	9.2276E-05	57.00	31.34	57.00	31.34	V-C	1.2197E+04	-3.000	0.000	1.000	1.000
31.34	0.000	0.000	Strato1_2_8_L_0									
17 D	6.668	9.1296E-05	60.80	33.34	60.80	33.34	V-C	1.2197E+04	-3.200	0.000	1.000	1.000
33.34	0.000	0.000	Strato1_2_8_L_0									
18 D	7.068	9.0337E-05	64.60	35.34	64.60	35.34	V-C	1.2197E+04	-3.400	0.000	1.000	1.000
35.34	0.000	0.000	Strato1_2_8_L_0									
19 D	7.468	8.9393E-05	68.40	37.34	68.40	37.34	V-C	1.2197E+04	-3.600	0.000	1.000	1.000
37.34	0.000	0.000	Strato1_2_8_L_0									
20 D	7.869	8.8455E-05	72.20	39.34	72.20	39.34	V-C	1.2197E+04	-3.800	0.000	1.000	1.000
39.34	0.000	0.000	Strato1_2_8_L_0									
21 D	8.269	8.7516E-05	76.00	41.35	76.00	41.35	V-C	1.2197E+04	-4.000	0.000	1.000	1.000
41.35	0.000	0.000	Strato1_2_8_L_0									
22 D	8.670	8.6568E-05	79.80	43.35	79.80	43.35	V-C	1.2197E+04	-4.200	0.000	1.000	1.000
43.35	0.000	0.000	Strato1_2_8_L_0									
23 D	9.070	8.5604E-05	83.60	45.35	83.60	45.35	V-C	1.2197E+04	-4.400	0.000	1.000	1.000
45.35	0.000	0.000	Strato1_2_8_L_0									
24 D	9.471	8.4615E-05	87.40	47.35	87.40	47.35	V-C	1.2197E+04	-4.600	0.000	1.000	1.000
47.35	0.000	0.000	Strato1_2_8_L_0									
25 D	9.871	8.3594E-05	91.20	49.36	91.20	49.36	V-C	1.2197E+04	-4.800	0.000	1.000	1.000
49.36	0.000	0.000	Strato1_2_8_L_0									
26 D	10.27	8.2533E-05	95.00	51.35	95.00	51.36	UL-RL	3.6592E+04	-5.000	0.000	1.000	1.000
51.35	0.000	0.000	Strato1_2_8_L_0									
27 D	10.67	8.1425E-05	98.80	53.35	98.80	53.36	UL-RL	3.6592E+04	-5.200	0.000	1.000	1.000
53.35	0.000	0.000	Strato1_2_8_L_0									
28 D	11.07	8.0263E-05	102.6	55.35	102.6	55.36	UL-RL	3.6592E+04	-5.400	0.000	1.000	1.000
55.35	0.000	0.000	Strato1_2_8_L_0									
29 D	11.47	7.9039E-05	106.4	57.34	106.4	57.36	UL-RL	3.6592E+04	-5.600	0.000	1.000	1.000
57.34	0.000	0.000	Strato1_2_8_L_0									
30 D	11.87	7.7748E-05	110.2	59.34	110.2	59.36	UL-RL	3.6592E+04	-5.800	0.000	1.000	1.000
59.34	0.000	0.000	Strato1_2_8_L_0									
31 D	12.27	7.6386E-05	114.0	61.33	114.0	61.36	UL-RL	3.6592E+04	-6.000	0.000	1.000	1.000
61.33	0.000	0.000	Strato1_2_8_L_0									
32 D	12.67	7.4947E-05	117.8	63.33	117.8	63.36	UL-RL	3.6592E+04	-6.200	0.000	1.000	1.000
63.33	0.000	0.000	Strato1_2_8_L_0									
33 D	13.06	7.3428E-05	121.6	65.32	121.6	65.35	UL-RL	3.6592E+04	-6.400	0.000	1.000	1.000
65.32	0.000	0.000	Strato1_2_8_L_0									
34 D	13.46	7.1829E-05	125.4	67.32	125.4	67.35	UL-RL	3.6592E+04	-6.600	0.000	1.000	1.000
67.32	0.000	0.000	Strato1_2_8_L_0									
35 D	13.86	7.0147E-05	129.2	69.31	129.2	69.34	UL-RL	3.6592E+04	-6.800	0.000	1.000	1.000
69.31	0.000	0.000	Strato1_2_8_L_0									
36 D	14.26	6.8384E-05	133.0	71.30	133.0	71.33	UL-RL	3.6592E+04	-7.000	0.000	1.000	1.000
71.30	0.000	0.000	Strato1_2_8_L_0									
37 D	14.66	6.6543E-05	136.8	73.29	136.8	73.33	UL-RL	3.6592E+04	-7.200	0.000	1.000	1.000
73.29	0.000	0.000	Strato1_2_8_L_0									
38 D	15.06	6.4627E-05	140.6	75.29	140.6	75.32	UL-RL	3.6592E+04	-7.400	0.000	1.000	1.000
75.29	0.000	0.000	Strato1_2_8_L_0									
39 D	15.46	6.2645E-05	144.4	77.28	144.4	77.31	UL-RL	3.6592E+04	-7.600	0.000	1.000	1.000
77.28	0.000	0.000	Strato1_2_8_L_0									
40 D	15.85	6.0604E-05	148.2	79.27	148.2	79.29	UL-RL	3.6592E+04	-7.800	0.000	1.000	1.000
79.27	0.000	0.000	Strato1_2_8_L_0									
41 D	16.25	5.8516E-05	152.0	81.26	152.0	81.28	UL-RL	3.6592E+04	-8.000	0.000	1.000	1.000
81.26	0.000	0.000	Strato1_2_8_L_0									
42 D	16.65	5.6397E-05	155.8	83.25	155.8	83.27	UL-RL	3.6592E+04	-8.200	0.000	1.000	1.000
83.25	0.000	0.000	Strato1_2_8_L_0									
43 D	17.05	5.4261E-05	159.6	85.24	159.6	85.26	UL-RL	3.6592E+04	-8.400	0.000	1.000	1.000
85.24	0.000	0.000	Strato1_2_8_L_0									
44 D	17.44	5.2131E-05	163.4	87.22	163.4	87.24	UL-RL	3.6592E+04	-8.600	0.000	1.000	1.000
87.22	0.000	0.000	Strato1_2_8_L_0									
45 D	17.00	5.0030E-05	167.3	85.00	167.3	85.04	UL-RL	8.2405E+04	-8.800	0.000	1.000	1.000
85.00	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.39	4.7983E-05	171.3	86.94	171.3	86.98	UL-RL	8.2405E+04	-9.000	0.000	1.000	1.000
86.94	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.78	4.6013E-05	175.3	88.89	175.3	88.92	UL-RL	8.2405E+04	-9.200	0.000	1.000	1.000
88.89	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.17	4.4136E-05	179.3	90.84	179.3	90.87	UL-RL	8.2405E+04	-9.400	0.000	1.000	1.000
90.84	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.56	4.2367E-05	183.3	92.80	183.3	92.82	UL-RL	8.2405E+04	-9.600	0.000	1.000	1.000
92.80	0.000	0.000	Strato2_3095_82743_L_0									
50 D	18.95	4.0713E-05	187.3	94.75	187.3	94.78	UL-RL	8.2405E+04	-9.800	0.000	1.000	1.000
94.75	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.34	3.9180E-05	191.3	96.71	191.3	96.73	UL-RL	8.2405E+04	-10.00	0.000	1.000	1.000
96.71	0.000	0.000	Strato2_3095_82743_L_0									
52 D	19.74	3.7771E-05	195.3	98.68	195.3	98.69	UL-RL	8.2405E+04	-10.20	0.000	1.000	1.000
98.68	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.13	3.6488E-05	199.3	100.6	199.3	100.7	UL-RL	8.2405E+04	-10.40	0.000	1.000	1.000
100.6	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.52	3.5328E-05	203.3	102.6	203.3	102.6	UL-RL	8.2405E+04	-10.60	0.000	1.000	1.000
102.6	0.000	0.000	Strato2_3095_82743_L_0									
55 D	20.92	3.4288E-05	207.3	104.6	207.3	104.6	UL-RL	8.2405E+04	-10.80	0.000	1.000	1.000
104.6	0.000	0.000	Strato2_3095_82743_L_0									

56 D	21.31	3.3364E-05	211.3	106.6	211.3	106.6	UL-RL	8.2405E+04	-11.00	0.000	1.000	1.000
106.6	0.000	0.000	Strato2_3095_82743_L_0									
57 D	21.71	3.2551E-05	215.3	108.5	215.3	108.5	UL-RL	8.2405E+04	-11.20	0.000	1.000	1.000
108.5	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.10	3.1842E-05	219.3	110.5	219.3	110.5	UL-RL	8.2405E+04	-11.40	0.000	1.000	1.000
110.5	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.50	3.1230E-05	223.3	112.5	223.3	112.5	UL-RL	8.2405E+04	-11.60	0.000	1.000	1.000
112.5	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.90	3.0708E-05	227.3	114.5	227.3	114.5	V-C	2.7468E+04	-11.80	0.000	1.000	1.000
114.5	0.000	0.000	Strato2_3095_82743_L_0									
61 D	23.30	3.0270E-05	231.3	116.5	231.3	116.5	V-C	2.7468E+04	-12.00	0.000	1.000	1.000
116.5	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.69	2.9906E-05	235.3	118.5	235.3	118.5	V-C	2.7468E+04	-12.20	0.000	1.000	1.000
118.5	0.000	0.000	Strato2_3095_82743_L_0									
63 D	24.09	2.9612E-05	239.3	120.5	239.3	120.5	V-C	2.7468E+04	-12.40	0.000	1.000	1.000
120.5	0.000	0.000	Strato2_3095_82743_L_0									
64 D	24.49	2.9378E-05	243.3	122.5	243.3	122.5	V-C	2.7468E+04	-12.60	0.000	1.000	1.000
122.5	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.89	2.9198E-05	247.3	124.5	247.3	124.5	V-C	2.7468E+04	-12.80	0.000	1.000	1.000
124.5	0.000	0.000	Strato2_3095_82743_L_0									
66 D	25.29	2.9065E-05	251.3	126.4	251.3	126.4	V-C	2.7468E+04	-13.00	0.000	1.000	1.000
126.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	25.69	2.8974E-05	255.3	128.4	255.3	128.4	V-C	2.7468E+04	-13.20	0.000	1.000	1.000
128.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	26.09	2.8918E-05	259.3	130.4	259.3	130.4	V-C	2.7468E+04	-13.40	0.000	1.000	1.000
130.4	0.000	0.000	Strato2_3095_82743_L_0									
69 D	26.49	2.8892E-05	263.3	132.4	263.3	132.4	UL-RL	8.2405E+04	-13.60	0.000	1.000	1.000
132.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	26.89	2.8892E-05	267.3	134.4	267.3	134.4	UL-RL	8.2405E+04	-13.80	0.000	1.000	1.000
134.4	0.000	0.000	Strato2_3095_82743_L_0									
71 D	27.29	2.8912E-05	271.3	136.4	271.3	136.4	UL-RL	8.2405E+04	-14.00	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0									
72 D	27.69	2.8949E-05	275.3	138.4	275.3	138.4	UL-RL	8.2405E+04	-14.20	0.000	1.000	1.000
138.4	0.000	0.000	Strato2_3095_82743_L_0									
73 D	28.09	2.9000E-05	279.3	140.4	279.3	140.4	UL-RL	8.2405E+04	-14.40	0.000	1.000	1.000
140.4	0.000	0.000	Strato2_3095_82743_L_0									
74 D	28.49	2.9061E-05	283.3	142.4	283.3	142.4	UL-RL	8.2405E+04	-14.60	0.000	1.000	1.000
142.4	0.000	0.000	Strato2_3095_82743_L_0									
75 D	28.89	2.9129E-05	287.3	144.4	287.3	144.5	UL-RL	8.2405E+04	-14.80	0.000	1.000	1.000
144.4	0.000	0.000	Strato2_3095_82743_L_0									
76 D	29.29	2.9204E-05	291.3	146.5	291.3	146.5	UL-RL	8.2405E+04	-15.00	0.000	1.000	1.000
146.5	0.000	0.000	Strato2_3095_82743_L_0									
77 D	29.69	2.9282E-05	295.3	148.5	295.3	148.5	UL-RL	8.2405E+04	-15.20	0.000	1.000	1.000
148.5	0.000	0.000	Strato2_3095_82743_L_0									
78 D	30.09	2.9362E-05	299.3	150.5	299.3	150.5	UL-RL	8.2405E+04	-15.40	0.000	1.000	1.000
150.5	0.000	0.000	Strato2_3095_82743_L_0									
79 D	30.49	2.9444E-05	303.3	152.5	303.3	152.5	UL-RL	8.2405E+04	-15.60	0.000	1.000	1.000
152.5	0.000	0.000	Strato2_3095_82743_L_0									
80 D	30.89	2.9526E-05	307.3	154.5	307.3	154.5	UL-RL	8.2405E+04	-15.80	0.000	1.000	1.000
154.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	15.65	2.9609E-05	311.3	156.5	311.3	156.5	UL-RL	8.2405E+04	-16.00	0.000	1.000	1.000
156.5	0.000	0.000	Strato2_3095_82743_L_0									

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
 |                                   Exe Time :29 July 2019      18:01:12                                                  |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
 C U R R E N T   T I M E   I S     2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -----------------------------------------------------
     1 0.48750    -0.48750     3.20410E-13 9.75000E-02
     2 0.62422    -0.62422    -9.75000E-02 0.22234
     3 0.74231    -0.74231    -0.22234     0.37080
     4 0.78520    -0.78520    -0.37080     0.52784
     5 0.73488    -0.73488    -0.52784     0.67482
     6 0.58339    -0.58339    -0.67482     0.79150
     7 0.43439    -0.43439    -0.79150     0.87838
     8 0.30946    -0.30946    -0.87838     0.94027
     9 0.11359    -0.11359    -0.94027     0.96299
    10-5.26461E-02 5.26461E-02-0.96299     0.95246
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11	-0.19288	0.19288	-0.95246	0.91388
12	-0.30990	0.30990	-0.91388	0.85190
13	-0.40589	0.40589	-0.85190	0.77072
14	-0.48262	0.48262	-0.77072	0.67420
15	-0.54154	0.54154	-0.67420	0.56589
16	-0.63490	0.63490	-0.56589	0.43891
17	-0.70930	0.70930	-0.43891	0.29705
18	-0.76594	0.76594	-0.29705	0.14386
19	-0.80578	0.80578	-0.14386	-1.72949E-02
20	-0.82956	0.82956	1.72949E-02	-0.18321
21	-0.83785	0.83785	0.18321	-0.35078
22	-0.83103	0.83103	0.35078	-0.51698
23	-0.80934	0.80934	0.51698	-0.67885
24	-0.80656	0.80656	0.67885	-0.84016
25	-0.78826	0.78826	0.84016	-0.99781
26	-0.75249	0.75249	0.99781	-1.1483
27	-0.69928	0.69928	1.1483	-1.2882
28	-0.62848	0.62848	1.2882	-1.4139
29	-0.53986	0.53986	1.4139	-1.5218
30	-0.43307	0.43307	1.5218	-1.6084
31	-0.33365	0.33365	1.6084	-1.6752
32	-0.21420	0.21420	1.6752	-1.7180
33	-7.41542E-02	7.41542E-02	1.7180	-1.7329
34	8.70647E-02	-8.70647E-02	1.7329	-1.7154
35	0.27010	-0.27010	1.7154	-1.6614
36	0.47559	-0.47559	1.6614	-1.5663
37	0.70419	-0.70419	1.5663	-1.4255
38	0.95653	-0.95653	1.4255	-1.2342
39	1.2126	-1.2126	1.2342	-0.99164
40	1.4939	-1.4939	0.99164	-0.69285
41	1.8010	-1.8010	0.69285	-0.33265
42	2.1340	-2.1340	0.33265	9.41426E-02
43	2.4928	-2.4928	-9.41426E-02	0.59271
44	2.8775	-2.8775	-0.59271	1.1682
45	2.3151	-2.3151	-1.1682	1.6312
46	1.7982	-1.7982	-1.6312	1.9909
47	1.3411	-1.3411	-1.9909	2.2591
48	0.94103	-0.94103	-2.2591	2.4473
49	0.59480	-0.59480	-2.4473	2.5662
50	0.29892	-0.29892	-2.5662	2.6260
51	4.97743E-02	-4.97743E-02	-2.6260	2.6360
52	-0.15635	0.15635	-2.6360	2.6047
53	-0.32318	0.32318	-2.6047	2.5401
54	-0.46837	0.46837	-2.5401	2.4464
55	-0.58123	0.58123	-2.4464	2.3301
56	-0.66523	0.66523	-2.3301	2.1971
57	-0.72366	0.72366	-2.1971	2.0524
58	-0.75963	0.75963	-2.0524	1.9004
59	-0.77603	0.77603	-1.9004	1.7452
60	-0.77557	0.77557	-1.7452	1.5901
61	-0.77311	0.77311	-1.5901	1.4355
62	-0.75802	0.75802	-1.4355	1.2839
63	-0.73255	0.73255	-1.2839	1.1374
64	-0.69856	0.69856	-1.1374	0.99767
65	-0.65770	0.65770	-0.99767	0.86613
66	-0.61141	0.61141	-0.86613	0.74385
67	-0.56096	0.56096	-0.74385	0.63166
68	-0.50743	0.50743	-0.63166	0.53017
69	-0.46270	0.46270	-0.53017	0.43764
70	-0.41643	0.41643	-0.43764	0.35435
71	-0.36930	0.36930	-0.35435	0.28049
72	-0.32185	0.32185	-0.28049	0.21612
73	-0.27450	0.27450	-0.21612	0.16122
74	-0.22760	0.22760	-0.16122	0.11570
75	-0.18142	0.18142	-0.11570	7.94156E-02
76	-0.14609	0.14609	-7.94156E-02	5.01978E-02
77	-0.11168	0.11168	-5.01978E-02	2.78613E-02
78	-7.83097E-02	7.83097E-02	-2.78613E-02	1.21994E-02
79	-4.60476E-02	4.60476E-02	-1.21994E-02	2.98986E-03
80	-1.49485E-02	1.49485E-02	-2.98986E-03	2.48385E-13

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                  Exe Time :29 July 2019      18:01:12                                             |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4
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Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM= 986.7     REMNOR=0.2203E-22 RATIO =0.1472     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.1472     RATIOR= 0.000
           MAX UN= 7.468     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.1476E-10 IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM= 176.3     REMNOR=0.2063E-19 RATIO =0.6222E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.6222E-01 RATIOR= 0.000
           MAX UN= 5.303     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.3803E-03 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM= 203.6     REMNOR=0.2522E-18 RATIO =0.6686E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.6686E-01 RATIOR= 0.000
           MAX UN= 8.778     IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-.3654E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM= 11.90     REMNOR=0.1923E-18 RATIO =0.1617E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.1617E-01 RATIOR= 0.000
           MAX UN= 2.486     IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           MIN UN=-.4795E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM=0.5637E-02 REMNOR=0.1562E-18 RATIO =0.3519E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.3519E-03 RATIOR= 0.000
           MAX UN=0.7508E-01 IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.2700E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.4553E+05 RIMNOR= 268.0
           RENORM=0.5227E-16 REMNOR=0.2293E-18 RATIO =0.3388E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 30.92     RMMAX = 2.636
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.4553E+05 RDR   = 268.0
           RATIOT=0.3388E-10 RATIOR= 0.000
           MAX UN=0.3327E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.2231E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                   Exe Time :29 July 2019      18:01:12                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.1708003E-02  -1.6308263E-03
    2   1.1381839E-02  -1.6308147E-03
    3   1.1055680E-02  -1.6307608E-03
    4   1.0729540E-02  -1.6306173E-03
    5   1.0403444E-02  -1.6303199E-03
    6   1.0077428E-02  -1.6297896E-03
    7   9.7515494E-03  -1.6289331E-03
    8   9.4258837E-03  -1.6276428E-03
    9   9.1005293E-03  -1.6257974E-03
   10   8.7756106E-03  -1.6232632E-03
   11   8.4512797E-03  -1.6198943E-03
   12   8.1277192E-03  -1.6155306E-03
   13   7.8051453E-03  -1.6099983E-03
   14   7.4838103E-03  -1.6031094E-03
   15   7.1640054E-03  -1.5946626E-03
   16   6.8460635E-03  -1.5844423E-03
   17   6.5303619E-03  -1.5722205E-03
   18   6.2173249E-03  -1.5577560E-03
   19   5.9074261E-03  -1.5407939E-03
   20   5.6011917E-03  -1.5210655E-03
   21   5.2992013E-03  -1.4983159E-03
   22   5.0020792E-03  -1.4723586E-03
   23   4.7104777E-03  -1.4431030E-03
   24   4.4250589E-03  -1.4105547E-03
   25   4.1464700E-03  -1.3748154E-03
   26   3.8753323E-03  -1.3360835E-03
   27   3.6122176E-03  -1.2946361E-03
   28   3.3576386E-03  -1.2507767E-03
   29   3.1120492E-03  -1.2048014E-03
   30   2.8758411E-03  -1.1569986E-03
   31   2.6493528E-03  -1.1076507E-03
   32   2.4328654E-03  -1.0570341E-03
   33   2.2266056E-03  -1.0054198E-03
   34   2.0307463E-03  -9.5307383E-04
   35   1.8454084E-03  -9.0025760E-04
   36   1.6706584E-03  -8.4722763E-04
   37   1.5065147E-03  -7.9423758E-04
   38   1.3529440E-03  -7.4153773E-04
   39   1.2098637E-03  -6.8937580E-04
   40   1.0771421E-03  -6.3799804E-04
   41   9.5459747E-04  -5.8763576E-04
   42   8.4200649E-04  -5.3849312E-04
   43   7.3910716E-04  -4.9074646E-04
   44   6.4560477E-04  -4.4454687E-04
   45   5.6117714E-04  -4.0002254E-04
   46   4.8547190E-04  -3.5736251E-04
   47   4.1809246E-04  -3.1679769E-04
   48   3.5860174E-04  -2.7849914E-04
   49   3.0653387E-04  -2.4258465E-04
   50   2.6140442E-04  -2.0912530E-04
   51   2.2271832E-04  -1.7815075E-04
   52   1.8997940E-04  -1.4965649E-04
   53   1.6269348E-04  -1.2360600E-04
   54   1.4037809E-04  -9.9939252E-05
   55   1.2256428E-04  -7.8574983E-05
   56   1.0880112E-04  -5.9415338E-05
   57   9.8658588E-05  -4.2349110E-05
   58   9.1730001E-05  -2.7254975E-05
   59   8.7633695E-05  -1.4004383E-05
   60   8.6014227E-05  -2.4641050E-06
   61   8.6543076E-05   7.5015139E-06
   62   8.8918911E-05   1.6028311E-05
   63   9.2867435E-05   2.3250618E-05
   64   9.8140970E-05   2.9300102E-05
   65   1.0451781E-04   3.4304545E-05
   66   1.1180131E-04   3.8386798E-05
   67   1.1981885E-04   4.1663935E-05
   68   1.2842058E-04   4.4246549E-05
   69   1.3747807E-04   4.6238191E-05
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70	1.4688285E-04	4.7734664E-05
71	1.5654477E-04	4.8823690E-05
72	1.6639047E-04	4.9584911E-05
73	1.7636164E-04	5.0089700E-05
74	1.8641345E-04	5.0401032E-05
75	1.9651279E-04	5.0573395E-05
76	2.0663661E-04	5.0652738E-05
77	2.1677016E-04	5.0676200E-05
78	2.2690525E-04	5.0672110E-05
79	2.3703849E-04	5.0660214E-05
80	2.4716956E-04	5.0651684E-05
81	2.5730006E-04	5.0649122E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:01:12

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :

ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81

C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.4875	-1.1708E-02	13.00	4.875	13.00	6.890	ACTIVE	0.000	0.000	0.000	1.000	1.000	4.875	0.000	0.000	Strato1_2_8_L_0
2 D	0.8075	-1.1382E-02	10.77	4.038	10.77	5.706	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	4.038	0.000	0.000	Strato1_2_8_L_0
3 D	1.188	-1.1056E-02	15.84	5.941	15.84	8.396	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	5.941	0.000	0.000	Strato1_2_8_L_0
4 D	1.512	-1.0730E-02	20.16	7.561	20.16	10.69	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	7.561	0.000	0.000	Strato1_2_8_L_0
5 D	1.818	-1.0403E-02	24.24	9.092	24.24	12.85	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	9.092	0.000	0.000	Strato1_2_8_L_0
6 D	2.117	-1.0077E-02	28.22	10.58	28.22	14.96	ACTIVE	0.000	-1.000	0.000	1.000	1.000	10.58	0.000	0.000	Strato1_2_8_L_0
7 D	2.411	-9.7515E-03	32.14	12.05	32.14	17.03	ACTIVE	0.000	-1.200	0.000	1.000	1.000	12.05	0.000	0.000	Strato1_2_8_L_0
8 D	2.702	-9.4259E-03	36.03	13.51	36.03	19.09	ACTIVE	0.000	-1.400	0.000	1.000	1.000	13.51	0.000	0.000	Strato1_2_8_L_0
9 D	2.927	-9.1005E-03	39.02	14.63	39.02	20.68	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.63	0.000	0.000	Strato1_2_8_L_0
10 D	3.223	-8.7756E-03	42.97	16.11	42.97	22.78	ACTIVE	0.000	-1.800	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
11 D	3.517	-8.4513E-03	46.89	17.58	46.89	24.85	ACTIVE	0.000	-2.000	0.000	1.000	1.000	17.58	0.000	0.000	Strato1_2_8_L_0
12 D	3.809	-8.1277E-03	50.79	19.05	50.79	26.92	ACTIVE	0.000	-2.200	0.000	1.000	1.000	19.05	0.000	0.000	Strato1_2_8_L_0
13 D	4.100	-7.8051E-03	54.67	20.50	54.67	28.98	ACTIVE	0.000	-2.400	0.000	1.000	1.000	20.50	0.000	0.000	Strato1_2_8_L_0
14 D	4.391	-7.4838E-03	58.54	21.95	58.54	31.03	ACTIVE	0.000	-2.600	0.000	1.000	1.000	21.95	0.000	0.000	Strato1_2_8_L_0
15 D	4.680	-7.1640E-03	62.40	23.40	62.40	33.07	ACTIVE	0.000	-2.800	0.000	1.000	1.000	23.40	0.000	0.000	Strato1_2_8_L_0
16 D	4.933	-6.8461E-03	65.77	24.66	65.77	34.86	ACTIVE	0.000	-3.000	0.000	1.000	1.000	24.66	0.000	0.000	Strato1_2_8_L_0
17 D	5.223	-6.5304E-03	69.65	26.12	69.65	36.91	ACTIVE	0.000	-3.200	0.000	1.000	1.000	26.12	0.000	0.000	Strato1_2_8_L_0
18 D	5.514	-6.2173E-03	73.51	27.57	73.51	38.96	ACTIVE	0.000	-3.400	0.000	1.000	1.000	27.57	0.000	0.000	Strato1_2_8_L_0
19 D	5.803	-5.9074E-03	77.37	29.02	77.37	41.01	ACTIVE	0.000	-3.600	0.000	1.000	1.000	29.02	0.000	0.000	Strato1_2_8_L_0
20 D	6.092	-5.6012E-03	81.23	30.46	81.23	43.05	ACTIVE	0.000	-3.800	0.000	1.000	1.000	30.46	0.000	0.000	Strato1_2_8_L_0
21 D	6.381	-5.2992E-03	85.07	31.90	85.07	45.09	ACTIVE	0.000	-4.000	0.000	1.000	1.000	31.90	0.000	0.000	Strato1_2_8_L_0
22 D	6.669	-5.0021E-03	88.92	33.34	88.92	47.13	ACTIVE	0.000	-4.200	0.000	1.000	1.000	33.34	0.000	0.000	Strato1_2_8_L_0
23 D	6.957	-4.7105E-03	92.76	34.78	92.76	49.16	ACTIVE	0.000	-4.400	0.000	1.000	1.000	34.78	0.000	0.000	Strato1_2_8_L_0

24 D	7.221	-4.4251E-03	96.28	36.10	96.28	51.03	ACTIVE	0.000	-4.600	0.000	1.000	1.000
36.10	0.000	0.000	Strato1_2_8_L_0									
25 D	7.509	-4.1465E-03	100.1	37.55	100.1	53.07	ACTIVE	0.000	-4.800	0.000	1.000	1.000
37.55	0.000	0.000	Strato1_2_8_L_0									
26 D	7.797	-3.8753E-03	104.0	38.99	104.0	55.10	ACTIVE	0.000	-5.000	0.000	1.000	1.000
38.99	0.000	0.000	Strato1_2_8_L_0									
27 D	8.085	-3.6122E-03	107.8	40.43	107.8	57.14	ACTIVE	0.000	-5.200	0.000	1.000	1.000
40.43	0.000	0.000	Strato1_2_8_L_0									
28 D	8.373	-3.3576E-03	111.6	41.87	111.6	59.17	ACTIVE	0.000	-5.400	0.000	1.000	1.000
41.87	0.000	0.000	Strato1_2_8_L_0									
29 D	8.661	-3.1120E-03	115.5	43.30	115.5	61.20	ACTIVE	0.000	-5.600	0.000	1.000	1.000
43.30	0.000	0.000	Strato1_2_8_L_0									
30 D	8.948	-2.8758E-03	119.3	44.74	119.3	63.23	ACTIVE	0.000	-5.800	0.000	1.000	1.000
44.74	0.000	0.000	Strato1_2_8_L_0									
31 D	9.217	-2.6494E-03	122.9	46.08	122.9	65.13	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.08	0.000	0.000	Strato1_2_8_L_0									
32 D	9.505	-2.4329E-03	126.7	47.52	126.7	67.17	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.52	0.000	0.000	Strato1_2_8_L_0									
33 D	9.792	-2.2266E-03	130.6	48.96	130.6	69.20	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.96	0.000	0.000	Strato1_2_8_L_0									
34 D	10.08	-2.0307E-03	134.4	50.40	134.4	71.23	ACTIVE	0.000	-6.600	0.000	1.000	1.000
50.40	0.000	0.000	Strato1_2_8_L_0									
35 D	10.37	-1.8454E-03	138.2	51.83	138.2	73.26	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.83	0.000	0.000	Strato1_2_8_L_0									
36 D	10.65	-1.6707E-03	142.1	53.27	142.1	75.29	ACTIVE	0.000	-7.000	0.000	1.000	1.000
53.27	0.000	0.000	Strato1_2_8_L_0									
37 D	10.94	-1.5065E-03	145.9	54.70	145.9	77.31	ACTIVE	0.000	-7.200	0.000	1.000	1.000
54.70	0.000	0.000	Strato1_2_8_L_0									
38 D	11.23	-1.3529E-03	149.7	56.14	149.7	79.34	ACTIVE	0.000	-7.400	0.000	1.000	1.000
56.14	0.000	0.000	Strato1_2_8_L_0									
39 D	11.50	-1.2099E-03	153.3	57.50	153.3	81.27	ACTIVE	0.000	-7.600	0.000	1.000	1.000
57.50	0.000	0.000	Strato1_2_8_L_0									
40 D	12.33	-1.0771E-03	157.2	61.67	157.2	83.29	UL-RL	1.8696E+04	-7.800	0.000	1.000	1.000
61.67	0.000	0.000	Strato1_2_8_L_0									
41 D	13.21	-9.5460E-04	161.0	66.04	161.0	85.32	UL-RL	1.8696E+04	-8.000	0.000	1.000	1.000
66.04	0.000	0.000	Strato1_2_8_L_0									
42 D	14.04	-8.4201E-04	164.8	70.22	164.8	87.35	UL-RL	1.8696E+04	-8.200	0.000	1.000	1.000
70.22	0.000	0.000	Strato1_2_8_L_0									
43 D	14.85	-7.3911E-04	168.6	74.23	168.6	89.38	UL-RL	1.8696E+04	-8.400	0.000	1.000	1.000
74.23	0.000	0.000	Strato1_2_8_L_0									
44 D	15.61	-6.4560E-04	172.5	78.05	172.5	91.40	UL-RL	1.8696E+04	-8.600	0.000	1.000	1.000
78.05	0.000	0.000	Strato1_2_8_L_0									
45 D	11.13	-5.6118E-04	176.4	55.66	176.4	88.19	UL-RL	5.1887E+04	-8.800	0.000	1.000	1.000
55.66	0.000	0.000	Strato2_3095_82743_L_0									
46 D	12.33	-4.8547E-04	180.2	61.66	180.2	90.12	UL-RL	5.1887E+04	-9.000	0.000	1.000	1.000
61.66	0.000	0.000	Strato2_3095_82743_L_0									
47 D	13.46	-4.1809E-04	184.3	67.30	184.3	92.13	UL-RL	5.1887E+04	-9.200	0.000	1.000	1.000
67.30	0.000	0.000	Strato2_3095_82743_L_0									
48 D	14.51	-3.5860E-04	188.3	72.53	188.3	94.14	UL-RL	5.1887E+04	-9.400	0.000	1.000	1.000
72.53	0.000	0.000	Strato2_3095_82743_L_0									
49 D	15.47	-3.0653E-04	192.3	77.36	192.3	96.15	UL-RL	5.1887E+04	-9.600	0.000	1.000	1.000
77.36	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.36	-2.6140E-04	196.3	81.82	196.3	98.16	UL-RL	5.1887E+04	-9.800	0.000	1.000	1.000
81.82	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.19	-2.2272E-04	200.3	85.95	200.3	100.2	UL-RL	5.1887E+04	-10.00	0.000	1.000	1.000
85.95	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.95	-1.8998E-04	204.4	89.75	204.4	102.2	UL-RL	5.1887E+04	-10.20	0.000	1.000	1.000
89.75	0.000	0.000	Strato2_3095_82743_L_0									
53 D	18.65	-1.6269E-04	208.4	93.26	208.4	104.2	UL-RL	5.1887E+04	-10.40	0.000	1.000	1.000
93.26	0.000	0.000	Strato2_3095_82743_L_0									
54 D	19.29	-1.4038E-04	212.3	96.44	212.3	106.1	UL-RL	5.1887E+04	-10.60	0.000	1.000	1.000
96.44	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.89	-1.2256E-04	216.3	99.44	216.3	108.1	UL-RL	5.1887E+04	-10.80	0.000	1.000	1.000
99.44	0.000	0.000	Strato2_3095_82743_L_0									
56 D	20.45	-1.0880E-04	220.3	102.2	220.3	110.1	UL-RL	5.1887E+04	-11.00	0.000	1.000	1.000
102.2	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.96	-9.8659E-05	224.3	104.8	224.3	112.2	UL-RL	5.1887E+04	-11.20	0.000	1.000	1.000
104.8	0.000	0.000	Strato2_3095_82743_L_0									
58 D	21.45	-9.1730E-05	228.3	107.2	228.3	114.2	UL-RL	5.1887E+04	-11.40	0.000	1.000	1.000
107.2	0.000	0.000	Strato2_3095_82743_L_0									
59 D	21.90	-8.7634E-05	232.3	109.5	232.3	116.2	UL-RL	5.1887E+04	-11.60	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
60 D	22.33	-8.6014E-05	236.4	111.6	236.4	118.2	UL-RL	5.1887E+04	-11.80	0.000	1.000	1.000
111.6	0.000	0.000	Strato2_3095_82743_L_0									
61 D	22.71	-8.6543E-05	240.3	113.6	240.3	120.1	UL-RL	5.1887E+04	-12.00	0.000	1.000	1.000
113.6	0.000	0.000	Strato2_3095_82743_L_0									
62 D	23.10	-8.8919E-05	244.3	115.5	244.3	122.1	UL-RL	5.1887E+04	-12.20	0.000	1.000	1.000
115.5	0.000	0.000	Strato2_3095_82743_L_0									
63 D	23.46	-9.2867E-05	248.3	117.3	248.3	124.1	UL-RL	5.1887E+04	-12.40	0.000	1.000	1.000
117.3	0.000	0.000	Strato2_3095_82743_L_0									
64 D	23.81	-9.8141E-05	252.3	119.1	252.3	126.2	UL-RL	5.1887E+04	-12.60	0.000	1.000	1.000
119.1	0.000	0.000	Strato2_3095_82743_L_0									
65 D	24.15	-1.0452E-04	256.3	120.7	256.3	128.2	UL-RL	5.1887E+04	-12.80	0.000	1.000	1.000
120.7	0.000	0.000	Strato2_3095_82743_L_0									
66 D	24.48	-1.1180E-04	260.3	122.4	260.3	130.2	UL-RL	5.1887E+04	-13.00	0.000	1.000	1.000

122.4	0.000	0.000	Strato2_3095_82743_L_0										
67 D	24.80	-1.1982E-04	264.3	124.0	264.3	132.2	UL-RL	5.1887E+04	-13.20	0.000	1.000	1.000	
124.0	0.000	0.000	Strato2_3095_82743_L_0										
68 D	25.11	-1.2842E-04	268.4	125.5	268.4	134.2	UL-RL	5.1887E+04	-13.40	0.000	1.000	1.000	
125.5	0.000	0.000	Strato2_3095_82743_L_0										
69 D	25.41	-1.3748E-04	272.3	127.0	272.3	136.1	UL-RL	5.1887E+04	-13.60	0.000	1.000	1.000	
127.0	0.000	0.000	Strato2_3095_82743_L_0										
70 D	25.71	-1.4688E-04	276.3	128.6	276.3	138.1	UL-RL	5.1887E+04	-13.80	0.000	1.000	1.000	
128.6	0.000	0.000	Strato2_3095_82743_L_0										
71 D	26.01	-1.5654E-04	280.3	130.1	280.3	140.1	UL-RL	5.1887E+04	-14.00	0.000	1.000	1.000	
130.1	0.000	0.000	Strato2_3095_82743_L_0										
72 D	26.31	-1.6639E-04	284.3	131.6	284.3	142.2	UL-RL	5.1887E+04	-14.20	0.000	1.000	1.000	
131.6	0.000	0.000	Strato2_3095_82743_L_0										
73 D	26.61	-1.7636E-04	288.3	133.0	288.3	144.2	UL-RL	5.1887E+04	-14.40	0.000	1.000	1.000	
133.0	0.000	0.000	Strato2_3095_82743_L_0										
74 D	26.90	-1.8641E-04	292.3	134.5	292.3	146.2	UL-RL	5.1887E+04	-14.60	0.000	1.000	1.000	
134.5	0.000	0.000	Strato2_3095_82743_L_0										
75 D	27.20	-1.9651E-04	296.4	136.0	296.4	148.2	UL-RL	5.1887E+04	-14.80	0.000	1.000	1.000	
136.0	0.000	0.000	Strato2_3095_82743_L_0										
76 D	27.48	-2.0664E-04	300.3	137.4	300.3	150.1	UL-RL	5.1887E+04	-15.00	0.000	1.000	1.000	
137.4	0.000	0.000	Strato2_3095_82743_L_0										
77 D	27.78	-2.1677E-04	304.3	138.9	304.3	152.1	UL-RL	5.1887E+04	-15.20	0.000	1.000	1.000	
138.9	0.000	0.000	Strato2_3095_82743_L_0										
78 D	28.07	-2.2691E-04	308.3	140.4	308.3	154.1	UL-RL	5.1887E+04	-15.40	0.000	1.000	1.000	
140.4	0.000	0.000	Strato2_3095_82743_L_0										
79 D	28.37	-2.3704E-04	312.3	141.8	312.3	156.2	UL-RL	5.1887E+04	-15.60	0.000	1.000	1.000	
141.8	0.000	0.000	Strato2_3095_82743_L_0										
80 D	28.66	-2.4717E-04	316.3	143.3	316.3	158.2	UL-RL	5.1887E+04	-15.80	0.000	1.000	1.000	
143.3	0.000	0.000	Strato2_3095_82743_L_0										
81 D	14.48	-2.5730E-04	320.3	144.8	320.3	160.2	UL-RL	5.1887E+04	-16.00	0.000	1.000	1.000	
144.8	0.000	0.000	Strato2_3095_82743_L_0										

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
 |                                 Exe Time :29 July 2019      18:01:12                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S     3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000				

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0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --          -2.800      0.000       1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --          -3.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --          -3.200      0.000       1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --          -3.400      0.000       1.000       1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --          -3.600      0.000       1.000       1.000
0.000       0.000       0.000     not available
  20 D   1.154       5.6012E-03  1.900       5.772       72.20       39.34       PASSIVE     0.000       -3.800      0.000       1.000       1.000
5.772       0.000       0.000     Strato1_2_8_L_0
  21 D   3.463       5.2992E-03  5.700       17.32       76.00       41.35       PASSIVE     0.000       -4.000      0.000       1.000       1.000
17.32       0.000       0.000     Strato1_2_8_L_0
  22 D   5.772       5.0021E-03  9.500       28.86       79.80       43.35       PASSIVE     0.000       -4.200      0.000       1.000       1.000
28.86       0.000       0.000     Strato1_2_8_L_0
  23 D   8.081       4.7105E-03  13.30       40.41       83.60       45.35       PASSIVE     0.000       -4.400      0.000       1.000       1.000
40.41       0.000       0.000     Strato1_2_8_L_0
  24 D   10.39       4.4251E-03  17.10       51.95       87.40       51.95       PASSIVE     0.000       -4.600      0.000       1.000       1.000
51.95       0.000       0.000     Strato1_2_8_L_0
  25 D   12.70       4.1465E-03  20.90       63.49       91.20       63.49       PASSIVE     0.000       -4.800      0.000       1.000       1.000
63.49       0.000       0.000     Strato1_2_8_L_0
  26 D   14.27       3.8753E-03  24.70       71.36       95.00       71.36       V-C         5275.       -5.000      0.000       1.000       1.000
71.36       0.000       0.000     Strato1_2_8_L_0
  27 D   14.40       3.6122E-03  28.50       71.98       98.80       71.98       V-C         5275.       -5.200      0.000       1.000       1.000
71.98       0.000       0.000     Strato1_2_8_L_0
  28 D   14.53       3.3576E-03  32.30       72.64       102.6       72.64       V-C         5275.       -5.400      0.000       1.000       1.000
72.64       0.000       0.000     Strato1_2_8_L_0
  29 D   14.67       3.1120E-03  36.10       73.35       106.4       73.35       V-C         5275.       -5.600      0.000       1.000       1.000
73.35       0.000       0.000     Strato1_2_8_L_0
  30 D   14.82       2.8758E-03  39.90       74.11       110.2       74.11       V-C         5275.       -5.800      0.000       1.000       1.000
74.11       0.000       0.000     Strato1_2_8_L_0
  31 D   14.98       2.6494E-03  43.70       74.92       114.0       74.92       V-C         5275.       -6.000      0.000       1.000       1.000
74.92       0.000       0.000     Strato1_2_8_L_0
  32 D   15.16       2.4329E-03  47.50       75.79       117.8       75.79       V-C         5275.       -6.200      0.000       1.000       1.000
75.79       0.000       0.000     Strato1_2_8_L_0
  33 D   15.34       2.2266E-03  51.30       76.70       121.6       76.70       V-C         5275.       -6.400      0.000       1.000       1.000
76.70       0.000       0.000     Strato1_2_8_L_0
  34 D   15.53       2.0307E-03  55.10       77.67       125.4       77.67       V-C         5275.       -6.600      0.000       1.000       1.000
77.67       0.000       0.000     Strato1_2_8_L_0
  35 D   15.74       1.8454E-03  58.90       78.70       129.2       78.70       V-C         5275.       -6.800      0.000       1.000       1.000
78.70       0.000       0.000     Strato1_2_8_L_0
  36 D   15.96       1.6707E-03  62.70       79.78       133.0       79.78       V-C         5275.       -7.000      0.000       1.000       1.000
79.78       0.000       0.000     Strato1_2_8_L_0
  37 D   16.18       1.5065E-03  66.50       80.91       136.8       80.91       V-C         5275.       -7.200      0.000       1.000       1.000
80.91       0.000       0.000     Strato1_2_8_L_0
  38 D   16.42       1.3529E-03  70.30       82.10       140.6       82.10       V-C         5275.       -7.400      0.000       1.000       1.000
82.10       0.000       0.000     Strato1_2_8_L_0
  39 D   16.67       1.2099E-03  74.10       83.35       144.4       83.35       V-C         5275.       -7.600      0.000       1.000       1.000
83.35       0.000       0.000     Strato1_2_8_L_0
  40 D   16.93       1.0771E-03  77.90       84.65       148.2       84.65       V-C         5275.       -7.800      0.000       1.000       1.000
84.65       0.000       0.000     Strato1_2_8_L_0
  41 D   17.20       9.5460E-04  81.70       86.00       152.0       86.00       V-C         5275.       -8.000      0.000       1.000       1.000
86.00       0.000       0.000     Strato1_2_8_L_0
  42 D   17.48       8.4201E-04  85.50       87.41       155.8       87.41       V-C         5275.       -8.200      0.000       1.000       1.000
87.41       0.000       0.000     Strato1_2_8_L_0
  43 D   17.77       7.3911E-04  89.30       88.86       159.6       88.86       V-C         5275.       -8.400      0.000       1.000       1.000
88.86       0.000       0.000     Strato1_2_8_L_0
  44 D   18.07       6.4560E-04  93.10       90.37       163.4       90.37       V-C         5275.       -8.600      0.000       1.000       1.000
90.37       0.000       0.000     Strato1_2_8_L_0
  45 D   16.65       5.6118E-04  97.00       83.26       167.3       85.04       UL-RL       3.5635E+04  -8.800      0.000       1.000       1.000
83.26       0.000       0.000     Strato2_3095_82743_L_0
  46 D   16.53       4.8547E-04  101.0       82.65       171.3       86.98       UL-RL       3.5635E+04  -9.000      0.000       1.000       1.000
82.65       0.000       0.000     Strato2_3095_82743_L_0
  47 D   16.47       4.1809E-04  105.0       82.34       175.3       88.92       UL-RL       3.5635E+04  -9.200      0.000       1.000       1.000
82.34       0.000       0.000     Strato2_3095_82743_L_0
  48 D   16.46       3.5860E-04  109.0       82.30       179.3       90.87       UL-RL       3.5635E+04  -9.400      0.000       1.000       1.000
82.30       0.000       0.000     Strato2_3095_82743_L_0
  49 D   16.50       3.0653E-04  113.0       82.52       183.3       92.82       UL-RL       3.5635E+04  -9.600      0.000       1.000       1.000
82.52       0.000       0.000     Strato2_3095_82743_L_0
  50 D   16.60       2.6140E-04  117.0       82.99       187.3       94.78       UL-RL       3.5635E+04  -9.800      0.000       1.000       1.000
82.99       0.000       0.000     Strato2_3095_82743_L_0
  51 D   16.74       2.2272E-04  121.0       83.68       191.3       96.73       UL-RL       3.5635E+04  -10.00      0.000       1.000       1.000
83.68       0.000       0.000     Strato2_3095_82743_L_0
  52 D   16.91       1.8998E-04  125.0       84.57       195.3       98.69       UL-RL       3.5635E+04  -10.20      0.000       1.000       1.000
84.57       0.000       0.000     Strato2_3095_82743_L_0
  53 D   17.13       1.6269E-04  129.0       85.66       199.3       100.7       UL-RL       3.5635E+04  -10.40      0.000       1.000       1.000
85.66       0.000       0.000     Strato2_3095_82743_L_0
  54 D   17.39       1.4038E-04  133.0       86.93       203.3       102.6       UL-RL       3.5635E+04  -10.60      0.000       1.000       1.000
86.93       0.000       0.000     Strato2_3095_82743_L_0
  55 D   17.67       1.2256E-04  137.0       88.34       207.3       104.6       UL-RL       3.5635E+04  -10.80      0.000       1.000       1.000
88.34       0.000       0.000     Strato2_3095_82743_L_0
  56 D   17.98       1.0880E-04  141.0       89.90       211.3       106.6       UL-RL       3.5635E+04  -11.00      0.000       1.000       1.000
89.90       0.000       0.000     Strato2_3095_82743_L_0
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57 D	18.32	9.8659E-05	145.0	91.59	215.3	108.5	UL-RL	3.5635E+04	-11.20	0.000	1.000	1.000
91.59	0.000	0.000	Strato2_3095_82743_L_0									
58 D	18.68	9.1730E-05	149.0	93.39	219.3	110.5	UL-RL	3.5635E+04	-11.40	0.000	1.000	1.000
93.39	0.000	0.000	Strato2_3095_82743_L_0									
59 D	19.06	8.7634E-05	153.0	95.29	223.3	112.5	UL-RL	3.5635E+04	-11.60	0.000	1.000	1.000
95.29	0.000	0.000	Strato2_3095_82743_L_0									
60 D	19.45	8.6014E-05	157.0	97.27	227.3	114.5	UL-RL	3.5635E+04	-11.80	0.000	1.000	1.000
97.27	0.000	0.000	Strato2_3095_82743_L_0									
61 D	19.86	8.6543E-05	161.0	99.32	231.3	116.5	UL-RL	3.5635E+04	-12.00	0.000	1.000	1.000
99.32	0.000	0.000	Strato2_3095_82743_L_0									
62 D	20.29	8.8919E-05	165.0	101.4	235.3	118.5	UL-RL	3.5635E+04	-12.20	0.000	1.000	1.000
101.4	0.000	0.000	Strato2_3095_82743_L_0									
63 D	20.72	9.2867E-05	169.0	103.6	239.3	120.5	UL-RL	3.5635E+04	-12.40	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
64 D	21.17	9.8141E-05	173.0	105.8	243.3	122.5	UL-RL	3.5635E+04	-12.60	0.000	1.000	1.000
105.8	0.000	0.000	Strato2_3095_82743_L_0									
65 D	21.62	1.0452E-04	177.0	108.1	247.3	124.5	UL-RL	3.5635E+04	-12.80	0.000	1.000	1.000
108.1	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.08	1.1180E-04	181.0	110.4	251.3	126.4	UL-RL	3.5635E+04	-13.00	0.000	1.000	1.000
110.4	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.54	1.1982E-04	185.0	112.7	255.3	128.4	UL-RL	3.5635E+04	-13.20	0.000	1.000	1.000
112.7	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.01	1.2842E-04	189.0	115.0	259.3	130.4	UL-RL	3.5635E+04	-13.40	0.000	1.000	1.000
115.0	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.48	1.3748E-04	193.0	117.4	263.3	132.4	UL-RL	3.5635E+04	-13.60	0.000	1.000	1.000
117.4	0.000	0.000	Strato2_3095_82743_L_0									
70 D	23.95	1.4688E-04	197.0	119.7	267.3	134.4	UL-RL	3.5635E+04	-13.80	0.000	1.000	1.000
119.7	0.000	0.000	Strato2_3095_82743_L_0									
71 D	24.42	1.5654E-04	201.0	122.1	271.3	136.4	UL-RL	3.5635E+04	-14.00	0.000	1.000	1.000
122.1	0.000	0.000	Strato2_3095_82743_L_0									
72 D	24.89	1.6639E-04	205.0	124.5	275.3	138.4	UL-RL	3.5635E+04	-14.20	0.000	1.000	1.000
124.5	0.000	0.000	Strato2_3095_82743_L_0									
73 D	25.37	1.7636E-04	209.0	126.9	279.3	140.4	UL-RL	3.5635E+04	-14.40	0.000	1.000	1.000
126.9	0.000	0.000	Strato2_3095_82743_L_0									
74 D	25.85	1.8641E-04	213.0	129.2	283.3	142.4	UL-RL	3.5635E+04	-14.60	0.000	1.000	1.000
129.2	0.000	0.000	Strato2_3095_82743_L_0									
75 D	26.32	1.9651E-04	217.0	131.6	287.3	144.5	UL-RL	3.5635E+04	-14.80	0.000	1.000	1.000
131.6	0.000	0.000	Strato2_3095_82743_L_0									
76 D	26.80	2.0664E-04	221.0	134.0	291.3	146.5	UL-RL	3.5635E+04	-15.00	0.000	1.000	1.000
134.0	0.000	0.000	Strato2_3095_82743_L_0									
77 D	27.27	2.1677E-04	225.0	136.4	295.3	148.5	UL-RL	3.5635E+04	-15.20	0.000	1.000	1.000
136.4	0.000	0.000	Strato2_3095_82743_L_0									
78 D	27.75	2.2691E-04	229.0	138.7	299.3	150.5	UL-RL	3.5635E+04	-15.40	0.000	1.000	1.000
138.7	0.000	0.000	Strato2_3095_82743_L_0									
79 D	28.22	2.3704E-04	233.0	141.1	303.3	152.5	UL-RL	3.5635E+04	-15.60	0.000	1.000	1.000
141.1	0.000	0.000	Strato2_3095_82743_L_0									
80 D	28.70	2.4717E-04	237.0	143.5	307.3	154.5	UL-RL	3.5635E+04	-15.80	0.000	1.000	1.000
143.5	0.000	0.000	Strato2_3095_82743_L_0									
81 D	14.59	2.5730E-04	241.0	145.9	311.3	156.5	UL-RL	3.5635E+04	-16.00	0.000	1.000	1.000
145.9	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                          |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 0.48750    -0.48750     1.40146E-11 9.75000E-02
    2  1.2950     -1.2950    -9.75000E-02 0.35650
    3  2.4831     -2.4831    -0.35650     0.85313
    4  3.9953     -3.9953    -0.85313     1.6522
    5  5.8136     -5.8136     -1.6522     2.8149
    6  7.9301     -7.9301     -2.8149     4.4009
    7  10.341     -10.341     -4.4009     6.4691
    8  13.043     -13.043     -6.4691     9.0776
    9  15.970     -15.970     -9.0776     12.272
   10  19.192     -19.192     -12.272     16.110
   11  22.709     -22.709     -16.110     20.652
   12  26.519     -26.519     -20.652     25.956
```

13	30.619	-30.619	-25.956	32.079
14	35.010	-35.010	-32.079	39.081
15	39.690	-39.690	-39.081	47.019
16	44.622	-44.622	-47.019	55.944
17	49.846	-49.846	-55.944	65.913
18	55.359	-55.359	-65.913	76.985
19	61.162	-61.162	-76.985	89.217
20	66.100	-66.100	-89.217	102.44
21	69.017	-69.017	-102.44	116.24
22	69.914	-69.914	-116.24	130.22
23	68.790	-68.790	-130.22	143.98
24	65.620	-65.620	-143.98	157.11
25	60.431	-60.431	-157.11	169.19
26	53.956	-53.956	-169.19	179.98
27	47.645	-47.645	-179.98	189.51
28	41.490	-41.490	-189.51	197.81
29	35.480	-35.480	-197.81	204.91
30	29.605	-29.605	-204.91	210.83
31	23.837	-23.837	-210.83	215.59
32	18.185	-18.185	-215.59	219.23
33	12.637	-12.637	-219.23	221.76
34	7.1823	-7.1823	-221.76	223.19
35	1.8099	-1.8099	-223.19	223.56
36	-3.4914	3.4914	-223.56	222.86
37	-8.7328	8.7328	-222.86	221.11
38	-13.925	13.925	-221.11	218.33
39	-19.095	19.095	-218.33	214.51
40	-23.691	23.691	-214.51	209.77
41	-27.683	27.683	-209.77	204.23
42	-31.120	31.120	-204.23	198.01
43	-34.047	34.047	-198.01	191.20
44	-36.510	36.510	-191.20	183.90
45	-42.029	42.029	-183.90	175.49
46	-46.227	46.227	-175.49	166.25
47	-49.234	49.234	-166.25	156.40
48	-51.189	51.189	-156.40	146.16
49	-52.221	52.221	-146.16	135.72
50	-52.453	52.453	-135.72	125.23
51	-51.999	51.999	-125.23	114.83
52	-50.964	50.964	-114.83	104.63
53	-49.444	49.444	-104.63	94.746
54	-47.542	47.542	-94.746	85.238
55	-45.322	45.322	-85.238	76.173
56	-42.858	42.858	-76.173	67.602
57	-40.212	40.212	-67.602	59.559
58	-37.443	37.443	-59.559	52.071
59	-34.600	34.600	-52.071	45.151
60	-31.728	31.728	-45.151	38.805
61	-28.878	28.878	-38.805	33.029
62	-26.070	26.070	-33.029	27.815
63	-23.332	23.332	-27.815	23.149
64	-20.688	20.688	-23.149	19.011
65	-18.157	18.157	-19.011	15.380
66	-15.756	15.756	-15.380	12.229
67	-13.499	13.499	-12.229	9.5288
68	-11.395	11.395	-9.5288	7.2498
69	-9.4632	9.4632	-7.2498	5.3572
70	-7.6996	7.6996	-5.3572	3.8173
71	-6.1084	6.1084	-3.8173	2.5956
72	-4.6931	4.6931	-2.5956	1.6570
73	-3.4558	3.4558	-1.6570	0.96583
74	-2.3979	2.3979	-0.96583	0.48625
75	-1.5204	1.5204	-0.48625	0.18217
76	-0.83343	0.83343	-0.18217	1.54876E-02
77	-0.32718	0.32718	-1.54876E-02	-4.99488E-02
78	-1.60068E-03	1.60068E-03	4.99488E-02	-5.02689E-02
79	0.14340	-0.14340	5.02689E-02	-2.15880E-02
80	0.10793	-0.10793	2.15880E-02	-1.58688E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
```

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C U R R E N T    T I M E    I S       3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2454E+06 RIMNOR=0.2340E+07
           RENORM= 8234.     REMNOR=0.2293E-18 RATIO =0.1832     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 223.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2454E+06 RDR   =0.2340E+07
           RATIOT=0.1832     RATIOR= 0.000
           MAX UN=0.3327E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2454E+06 RIMNOR=0.2340E+07
           RENORM= 14.55     REMNOR=0.9393E-19 RATIO =0.7699E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 223.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2454E+06 RDR   =0.2340E+07
           RATIOT=0.7699E-02 RATIOR= 0.000
           MAX UN=0.1071E-08 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-1.471     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2454E+06 RIMNOR=0.2340E+07
           RENORM=0.1908     REMNOR=0.9081E-19 RATIO =0.8817E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 223.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2454E+06 RDR   =0.2340E+07
           RATIOT=0.8817E-03 RATIOR= 0.000
           MAX UN=0.2984E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.3843     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2454E+06 RIMNOR=0.2340E+07
           RENORM=0.1158E-16 REMNOR=0.9990E-19 RATIO =0.6870E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 223.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2454E+06 RDR   =0.2340E+07
           RATIOT=0.6870E-11 RATIOR= 0.000
           MAX UN=0.1147E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1545E-08 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:01:12                                                  |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.0423081E-02  -1.5191932E-03
    2   1.0119244E-02  -1.5191594E-03
    3   9.8154254E-03  -1.5189963E-03
    4   9.5116633E-03  -1.5185693E-03
    5   9.2080256E-03  -1.5177240E-03
    6   8.9046131E-03  -1.5162880E-03
    7   8.6015624E-03  -1.5140722E-03
    8   8.2990499E-03  -1.5108707E-03
    9   7.9972946E-03  -1.5064614E-03
   10   7.6965616E-03  -1.5006078E-03
```

11	7.3971645E-03	-1.4930591E-03
12	7.0994688E-03	-1.4835481E-03
13	6.8038950E-03	-1.4717913E-03
14	6.5109220E-03	-1.4574891E-03
15	6.2210901E-03	-1.4403261E-03
16	5.9350043E-03	-1.4199708E-03
17	5.6533376E-03	-1.3960773E-03
18	5.3766897E-03	-1.3704393E-03
19	5.1051596E-03	-1.3448351E-03
20	4.8387795E-03	-1.3188732E-03
21	4.5776611E-03	-1.2921506E-03
22	4.3219960E-03	-1.2642771E-03
23	4.0720482E-03	-1.2349334E-03
24	3.8281359E-03	-1.2039089E-03
25	3.5906047E-03	-1.1711027E-03
26	3.3598130E-03	-1.1365246E-03
27	3.1361062E-03	-1.1002758E-03
28	2.9198046E-03	-1.0624973E-03
29	2.7112006E-03	-1.0233355E-03
30	2.5105536E-03	-9.8294140E-04
31	2.3180957E-03	-9.4147170E-04
32	2.1340258E-03	-8.9908865E-04
33	1.9585100E-03	-8.5596008E-04
34	1.7916800E-03	-8.1225898E-04
35	1.6336334E-03	-7.6816366E-04
36	1.4844294E-03	-7.2385681E-04
37	1.3440922E-03	-6.7952682E-04
38	1.2126073E-03	-6.3536683E-04
39	1.0899210E-03	-5.9157492E-04
40	9.7593983E-04	-5.4835466E-04
41	8.7052857E-04	-5.0590119E-04
42	7.7351665E-04	-4.6438825E-04
43	6.8470048E-04	-4.2396720E-04
44	6.0384825E-04	-3.8476896E-04
45	5.3070424E-04	-3.4690594E-04
46	4.6498593E-04	-3.1054775E-04
47	4.0637084E-04	-2.7590407E-04
48	3.5449949E-04	-2.4313259E-04
49	3.0898558E-04	-2.1234452E-04
50	2.6942495E-04	-1.8361021E-04
51	2.3540250E-04	-1.5696377E-04
52	2.0650055E-04	-1.3240914E-04
53	1.8230160E-04	-1.0992213E-04
54	1.6239687E-04	-8.9457623E-05
55	1.4638798E-04	-7.0951665E-05
56	1.3389089E-04	-5.4325449E-05
57	1.2453855E-04	-3.9488094E-05
58	1.1798307E-04	-2.6339457E-05
59	1.1389731E-04	-1.4772650E-05
60	1.1197598E-04	-4.6762714E-06
61	1.1193637E-04	4.0636337E-06
62	1.1351863E-04	1.1561561E-05
63	1.1648576E-04	1.7931066E-05
64	1.2062328E-04	2.3283782E-05
65	1.2573873E-04	2.7728328E-05
66	1.3166104E-04	3.1369399E-05
67	1.3823959E-04	3.4306995E-05
68	1.4534325E-04	3.6635802E-05
69	1.5285925E-04	3.8444683E-05
70	1.6069196E-04	3.9816019E-05
71	1.6876153E-04	4.0825399E-05
72	1.7700258E-04	4.1541651E-05
73	1.8536277E-04	4.2026661E-05
74	1.9380148E-04	4.2335255E-05
75	2.0228829E-04	4.2515109E-05
76	2.1080164E-04	4.2606701E-05
77	2.1932729E-04	4.2643041E-05
78	2.2785687E-04	4.2649663E-05
79	2.3638639E-04	4.2644856E-05
80	2.4491479E-04	4.2639668E-05
81	2.5344292E-04	4.2637907E-05

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                      |
|                                  Exe Time :29 July 2019      18:01:12                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1
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0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 81
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.423	-1.0423E-02	13.00	14.23	13.00	14.23	V-C	6232.	0.000	0.000	1.000	1.000	14.23	0.000	0.000	Strato1_2_8_L_0
2 D	2.604	-1.0119E-02	10.77	13.02	10.77	13.02	V-C	6232.	-0.2000	0.000	1.000	1.000	13.02	0.000	0.000	Strato1_2_8_L_0
3 D	3.061	-9.8154E-03	15.84	15.31	15.84	15.31	V-C	6232.	-0.4000	0.000	1.000	1.000	15.31	0.000	0.000	Strato1_2_8_L_0
4 D	3.447	-9.5117E-03	20.16	17.23	20.16	17.23	V-C	6232.	-0.6000	0.000	1.000	1.000	17.23	0.000	0.000	Strato1_2_8_L_0
5 D	3.809	-9.2080E-03	24.24	19.05	24.24	19.05	V-C	6232.	-0.8000	0.000	1.000	1.000	19.05	0.000	0.000	Strato1_2_8_L_0
6 D	4.162	-8.9046E-03	28.22	20.81	28.22	20.81	V-C	6232.	-1.000	0.000	1.000	1.000	20.81	0.000	0.000	Strato1_2_8_L_0
7 D	4.508	-8.6016E-03	32.14	22.54	32.14	22.54	V-C	6232.	-1.200	0.000	1.000	1.000	22.54	0.000	0.000	Strato1_2_8_L_0
8 D	4.851	-8.2990E-03	36.03	24.26	36.03	24.26	V-C	6232.	-1.400	0.000	1.000	1.000	24.26	0.000	0.000	Strato1_2_8_L_0
9 D	5.108	-7.9973E-03	39.02	25.54	39.02	25.54	V-C	6232.	-1.600	0.000	1.000	1.000	25.54	0.000	0.000	Strato1_2_8_L_0
10 D	5.456	-7.6966E-03	42.97	27.28	42.97	27.28	V-C	6232.	-1.800	0.000	1.000	1.000	27.28	0.000	0.000	Strato1_2_8_L_0
11 D	5.800	-7.3972E-03	46.89	29.00	46.89	29.00	V-C	6232.	-2.000	0.000	1.000	1.000	29.00	0.000	0.000	Strato1_2_8_L_0
12 D	6.141	-7.0995E-03	50.79	30.70	50.79	30.70	V-C	6232.	-2.200	0.000	1.000	1.000	30.70	0.000	0.000	Strato1_2_8_L_0
13 D	6.478	-6.8039E-03	54.67	32.39	54.67	32.39	V-C	6232.	-2.400	0.000	1.000	1.000	32.39	0.000	0.000	Strato1_2_8_L_0
14 D	6.813	-6.5109E-03	58.54	34.07	58.54	34.07	V-C	6232.	-2.600	0.000	1.000	1.000	34.07	0.000	0.000	Strato1_2_8_L_0
15 D	7.145	-6.2211E-03	62.40	35.72	62.40	35.72	V-C	6232.	-2.800	0.000	1.000	1.000	35.72	0.000	0.000	Strato1_2_8_L_0
16 D	7.428	-5.9350E-03	65.77	37.14	65.77	37.14	V-C	6232.	-3.000	0.000	1.000	1.000	37.14	0.000	0.000	Strato1_2_8_L_0
17 D	7.756	-5.6533E-03	69.65	38.78	69.65	38.78	V-C	6232.	-3.200	0.000	1.000	1.000	38.78	0.000	0.000	Strato1_2_8_L_0
18 D	8.081	-5.3767E-03	73.51	40.40	73.51	40.40	V-C	6232.	-3.400	0.000	1.000	1.000	40.40	0.000	0.000	Strato1_2_8_L_0
19 D	8.402	-5.1052E-03	77.37	42.01	77.37	42.01	V-C	6232.	-3.600	0.000	1.000	1.000	42.01	0.000	0.000	Strato1_2_8_L_0
20 D	8.721	-4.8388E-03	81.23	43.60	81.23	43.60	V-C	6232.	-3.800	0.000	1.000	1.000	43.60	0.000	0.000	Strato1_2_8_L_0
21 D	9.038	-4.5777E-03	85.07	45.19	85.07	45.19	V-C	6232.	-4.000	0.000	1.000	1.000	45.19	0.000	0.000	Strato1_2_8_L_0
22 D	9.212	-4.3220E-03	88.92	46.06	88.92	47.13	UL-RL	1.8696E+04	-4.200	0.000	1.000	1.000	46.06	0.000	0.000	Strato1_2_8_L_0
23 D	9.344	-4.0720E-03	92.76	46.72	92.76	49.16	UL-RL	1.8696E+04	-4.400	0.000	1.000	1.000	46.72	0.000	0.000	Strato1_2_8_L_0
24 D	9.453	-3.8281E-03	96.28	47.26	96.28	51.03	UL-RL	1.8696E+04	-4.600	0.000	1.000	1.000	47.26	0.000	0.000	Strato1_2_8_L_0
25 D	9.588	-3.5906E-03	100.1	47.94	100.1	53.07	UL-RL	1.8696E+04	-4.800	0.000	1.000	1.000	47.94	0.000	0.000	Strato1_2_8_L_0
26 D	9.725	-3.3598E-03	104.0	48.63	104.0	55.10	UL-RL	1.8696E+04	-5.000	0.000	1.000	1.000	48.63	0.000	0.000	Strato1_2_8_L_0
27 D	9.866	-3.1361E-03	107.8	49.33	107.8	57.14	UL-RL	1.8696E+04	-5.200	0.000	1.000	1.000	49.33	0.000	0.000	Strato1_2_8_L_0
28 D	10.01	-2.9198E-03	111.6	50.05	111.6	59.17	UL-RL	1.8696E+04	-5.400	0.000	1.000	1.000	50.05	0.000	0.000	Strato1_2_8_L_0
29 D	10.16	-2.7112E-03	115.5	50.80	115.5	61.20	UL-RL	1.8696E+04	-5.600	0.000	1.000	1.000	50.80	0.000	0.000	Strato1_2_8_L_0
30 D	10.31	-2.5106E-03	119.3	51.57	119.3	63.23	UL-RL	1.8696E+04	-5.800	0.000	1.000	1.000	51.57	0.000	0.000	Strato1_2_8_L_0
31 D	10.46	-2.3181E-03	122.9	52.28	122.9	65.13	UL-RL	1.8696E+04	-6.000	0.000	1.000	1.000	52.28	0.000	0.000	Strato1_2_8_L_0
32 D	10.62	-2.1340E-03	126.7	53.11	126.7	67.17	UL-RL	1.8696E+04	-6.200	0.000	1.000	1.000	53.11	0.000	0.000	Strato1_2_8_L_0
33 D	10.79	-1.9585E-03	130.6	53.97	130.6	69.20	UL-RL	1.8696E+04	-6.400	0.000	1.000	1.000	53.97	0.000	0.000	Strato1_2_8_L_0
34 D	10.97	-1.7917E-03	134.4	54.87	134.4	71.23	UL-RL	1.8696E+04	-6.600	0.000	1.000	1.000	54.87	0.000	0.000	Strato1_2_8_L_0
35 D	11.16	-1.6336E-03	138.2	55.79	138.2	73.26	UL-RL	1.8696E+04	-6.800	0.000	1.000	1.000	55.79	0.000	0.000	Strato1_2_8_L_0
36 D	11.35	-1.4844E-03	142.1	56.75	142.1	75.29	UL-RL	1.8696E+04	-7.000	0.000	1.000	1.000	56.75	0.000	0.000	Strato1_2_8_L_0

37 D	11.55	-1.3441E-03	145.9	57.74	145.9	77.31	UL-RL	1.8696E+04	-7.200	0.000	1.000	1.000	57.74	0.000	0.000	Strato1_2_8_L_0
38 D	11.75	-1.2126E-03	149.7	58.76	149.7	79.34	UL-RL	1.8696E+04	-7.400	0.000	1.000	1.000	58.76	0.000	0.000	Strato1_2_8_L_0
39 D	11.95	-1.0899E-03	153.3	59.74	153.3	81.27	UL-RL	1.8696E+04	-7.600	0.000	1.000	1.000	59.74	0.000	0.000	Strato1_2_8_L_0
40 D	12.71	-9.7594E-04	157.2	63.56	157.2	83.29	UL-RL	1.8696E+04	-7.800	0.000	1.000	1.000	63.56	0.000	0.000	Strato1_2_8_L_0
41 D	13.52	-8.7053E-04	161.0	67.61	161.0	85.32	UL-RL	1.8696E+04	-8.000	0.000	1.000	1.000	67.61	0.000	0.000	Strato1_2_8_L_0
42 D	14.30	-7.7352E-04	164.8	71.50	164.8	87.35	UL-RL	1.8696E+04	-8.200	0.000	1.000	1.000	71.50	0.000	0.000	Strato1_2_8_L_0
43 D	15.05	-6.8470E-04	168.6	75.24	168.6	89.38	UL-RL	1.8696E+04	-8.400	0.000	1.000	1.000	75.24	0.000	0.000	Strato1_2_8_L_0
44 D	15.77	-6.0385E-04	172.5	78.83	172.5	91.40	UL-RL	1.8696E+04	-8.600	0.000	1.000	1.000	78.83	0.000	0.000	Strato1_2_8_L_0
45 D	11.45	-5.3070E-04	176.4	57.24	176.4	88.19	UL-RL	5.1887E+04	-8.800	0.000	1.000	1.000	57.24	0.000	0.000	Strato2_3095_82743_L_0
46 D	12.54	-4.6499E-04	180.2	62.72	180.2	90.12	UL-RL	5.1887E+04	-9.000	0.000	1.000	1.000	62.72	0.000	0.000	Strato2_3095_82743_L_0
47 D	13.58	-4.0637E-04	184.3	67.91	184.3	92.13	UL-RL	5.1887E+04	-9.200	0.000	1.000	1.000	67.91	0.000	0.000	Strato2_3095_82743_L_0
48 D	14.55	-3.5450E-04	188.3	72.74	188.3	94.14	UL-RL	5.1887E+04	-9.400	0.000	1.000	1.000	72.74	0.000	0.000	Strato2_3095_82743_L_0
49 D	15.45	-3.0899E-04	192.3	77.23	192.3	96.15	UL-RL	5.1887E+04	-9.600	0.000	1.000	1.000	77.23	0.000	0.000	Strato2_3095_82743_L_0
50 D	16.28	-2.6942E-04	196.3	81.41	196.3	98.16	UL-RL	5.1887E+04	-9.800	0.000	1.000	1.000	81.41	0.000	0.000	Strato2_3095_82743_L_0
51 D	17.06	-2.3540E-04	200.3	85.29	200.3	100.2	UL-RL	5.1887E+04	-10.00	0.000	1.000	1.000	85.29	0.000	0.000	Strato2_3095_82743_L_0
52 D	17.78	-2.0650E-04	204.4	88.89	204.4	102.2	UL-RL	5.1887E+04	-10.20	0.000	1.000	1.000	88.89	0.000	0.000	Strato2_3095_82743_L_0
53 D	18.45	-1.8230E-04	208.4	92.24	208.4	104.2	UL-RL	5.1887E+04	-10.40	0.000	1.000	1.000	92.24	0.000	0.000	Strato2_3095_82743_L_0
54 D	19.06	-1.6240E-04	212.3	95.30	212.3	106.1	UL-RL	5.1887E+04	-10.60	0.000	1.000	1.000	95.30	0.000	0.000	Strato2_3095_82743_L_0
55 D	19.64	-1.4639E-04	216.3	98.21	216.3	108.1	UL-RL	5.1887E+04	-10.80	0.000	1.000	1.000	98.21	0.000	0.000	Strato2_3095_82743_L_0
56 D	20.19	-1.3389E-04	220.3	100.9	220.3	110.1	UL-RL	5.1887E+04	-11.00	0.000	1.000	1.000	100.9	0.000	0.000	Strato2_3095_82743_L_0
57 D	20.70	-1.2454E-04	224.3	103.5	224.3	112.2	UL-RL	5.1887E+04	-11.20	0.000	1.000	1.000	103.5	0.000	0.000	Strato2_3095_82743_L_0
58 D	21.17	-1.1798E-04	228.3	105.9	228.3	114.2	UL-RL	5.1887E+04	-11.40	0.000	1.000	1.000	105.9	0.000	0.000	Strato2_3095_82743_L_0
59 D	21.63	-1.1390E-04	232.3	108.1	232.3	116.2	UL-RL	5.1887E+04	-11.60	0.000	1.000	1.000	108.1	0.000	0.000	Strato2_3095_82743_L_0
60 D	22.06	-1.1198E-04	236.4	110.3	236.4	118.2	UL-RL	5.1887E+04	-11.80	0.000	1.000	1.000	110.3	0.000	0.000	Strato2_3095_82743_L_0
61 D	22.45	-1.1194E-04	240.3	112.3	240.3	120.1	UL-RL	5.1887E+04	-12.00	0.000	1.000	1.000	112.3	0.000	0.000	Strato2_3095_82743_L_0
62 D	22.84	-1.1352E-04	244.3	114.2	244.3	122.1	UL-RL	5.1887E+04	-12.20	0.000	1.000	1.000	114.2	0.000	0.000	Strato2_3095_82743_L_0
63 D	23.22	-1.1649E-04	248.3	116.1	248.3	124.1	UL-RL	5.1887E+04	-12.40	0.000	1.000	1.000	116.1	0.000	0.000	Strato2_3095_82743_L_0
64 D	23.58	-1.2062E-04	252.3	117.9	252.3	126.2	UL-RL	5.1887E+04	-12.60	0.000	1.000	1.000	117.9	0.000	0.000	Strato2_3095_82743_L_0
65 D	23.93	-1.2574E-04	256.3	119.6	256.3	128.2	UL-RL	5.1887E+04	-12.80	0.000	1.000	1.000	119.6	0.000	0.000	Strato2_3095_82743_L_0
66 D	24.27	-1.3166E-04	260.3	121.4	260.3	130.2	UL-RL	5.1887E+04	-13.00	0.000	1.000	1.000	121.4	0.000	0.000	Strato2_3095_82743_L_0
67 D	24.61	-1.3824E-04	264.3	123.0	264.3	132.2	UL-RL	5.1887E+04	-13.20	0.000	1.000	1.000	123.0	0.000	0.000	Strato2_3095_82743_L_0
68 D	24.93	-1.4534E-04	268.4	124.7	268.4	134.2	UL-RL	5.1887E+04	-13.40	0.000	1.000	1.000	124.7	0.000	0.000	Strato2_3095_82743_L_0
69 D	25.25	-1.5286E-04	272.3	126.2	272.3	136.1	UL-RL	5.1887E+04	-13.60	0.000	1.000	1.000	126.2	0.000	0.000	Strato2_3095_82743_L_0
70 D	25.57	-1.6069E-04	276.3	127.8	276.3	138.1	UL-RL	5.1887E+04	-13.80	0.000	1.000	1.000	127.8	0.000	0.000	Strato2_3095_82743_L_0
71 D	25.88	-1.6876E-04	280.3	129.4	280.3	140.1	UL-RL	5.1887E+04	-14.00	0.000	1.000	1.000	129.4	0.000	0.000	Strato2_3095_82743_L_0
72 D	26.20	-1.7700E-04	284.3	131.0	284.3	142.2	UL-RL	5.1887E+04	-14.20	0.000	1.000	1.000	131.0	0.000	0.000	Strato2_3095_82743_L_0
73 D	26.51	-1.8536E-04	288.3	132.6	288.3	144.2	UL-RL	5.1887E+04	-14.40	0.000	1.000	1.000	132.6	0.000	0.000	Strato2_3095_82743_L_0
74 D	26.83	-1.9380E-04	292.3	134.1	292.3	146.2	UL-RL	5.1887E+04	-14.60	0.000	1.000	1.000	134.1	0.000	0.000	Strato2_3095_82743_L_0
75 D	27.14	-2.0229E-04	296.4	135.7	296.4	148.2	UL-RL	5.1887E+04	-14.80	0.000	1.000	1.000	135.7	0.000	0.000	Strato2_3095_82743_L_0
76 D	27.44	-2.1080E-04	300.3	137.2	300.3	150.1	UL-RL	5.1887E+04	-15.00	0.000	1.000	1.000	137.2	0.000	0.000	Strato2_3095_82743_L_0
77 D	27.75	-2.1933E-04	304.3	138.8	304.3	152.1	UL-RL	5.1887E+04	-15.20	0.000	1.000	1.000	138.8	0.000	0.000	Strato2_3095_82743_L_0
78 D	28.06	-2.2786E-04	308.3	140.3	308.3	154.1	UL-RL	5.1887E+04	-15.40	0.000	1.000	1.000	140.3	0.000	0.000	Strato2_3095_82743_L_0
79 D	28.38	-2.3639E-04	312.3	141.9	312.3	156.2	UL-RL	5.1887E+04	-15.60	0.000	1.000	1.000				

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141.9       0.000       0.000     Strato2_3095_82743_L_0
  80 D   28.69     -2.4491E-04   316.3       143.4       316.3       158.2          UL-RL  5.1887E+04  -15.80       0.000       1.000       1.000
143.4       0.000       0.000     Strato2_3095_82743_L_0
  81 D   14.50     -2.5344E-04   320.3       145.0       320.3       160.2          UL-RL  5.1887E+04  -16.00       0.000       1.000       1.000
145.0       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                                         |
 |                                   Exe Time :29 July 2019      18:01:12                                                                    |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --         0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --        -0.2000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --        -0.4000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --        -0.6000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --        -0.8000      0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --        -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --        -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --        -1.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --        -1.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --        -1.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --        -2.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --        -2.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --        -2.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --        -2.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --        -2.800       0.000       1.000       1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --        -3.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --        -3.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --        -3.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --        -3.600       0.000       1.000       1.000
0.000       0.000       0.000     not available
  20 D   0.1425     4.8388E-03   1.900       0.7125      72.20       39.34           ACTIVE   0.000      -3.800       0.000       1.000       1.000
0.7125      0.000       0.000     Strato1_2_8_L_0
  21 D   1.180      4.5777E-03   5.700       5.899       76.00       41.35          UL-RL  1.5824E+04  -4.000       0.000       1.000       1.000
5.899       0.000       0.000     Strato1_2_8_L_0
  22 D   3.620      4.3220E-03   9.500       18.10       79.80       43.35          UL-RL  1.5824E+04  -4.200       0.000       1.000       1.000
18.10       0.000       0.000     Strato1_2_8_L_0
  23 D   6.061      4.0720E-03   13.30       30.30       83.60       45.35          UL-RL  1.5824E+04  -4.400       0.000       1.000       1.000
30.30       0.000       0.000     Strato1_2_8_L_0
  24 D   8.501      3.8281E-03   17.10       42.50       87.40       51.95          UL-RL  1.5824E+04  -4.600       0.000       1.000       1.000
42.50       0.000       0.000     Strato1_2_8_L_0
  25 D   10.94      3.5906E-03   20.90       54.70       91.20       63.49          UL-RL  1.5824E+04  -4.800       0.000       1.000       1.000
54.70       0.000       0.000     Strato1_2_8_L_0
  26 D   12.64      3.3598E-03   24.70       63.20       95.00       71.36          UL-RL  1.5824E+04  -5.000       0.000       1.000       1.000
63.20       0.000       0.000     Strato1_2_8_L_0
  27 D   12.89      3.1361E-03   28.50       64.45       98.80       71.98          UL-RL  1.5824E+04  -5.200       0.000       1.000       1.000
```

64.45	0.000	0.000	Strato1_2_8_L_0									
28 D	13.14	2.9198E-03	32.30	65.72	102.6	72.64	UL-RL	1.5824E+04	-5.400	0.000	1.000	1.000
65.72	0.000	0.000	Strato1_2_8_L_0									
29 D	13.40	2.7112E-03	36.10	67.01	106.4	73.35	UL-RL	1.5824E+04	-5.600	0.000	1.000	1.000
67.01	0.000	0.000	Strato1_2_8_L_0									
30 D	13.67	2.5106E-03	39.90	68.33	110.2	74.11	UL-RL	1.5824E+04	-5.800	0.000	1.000	1.000
68.33	0.000	0.000	Strato1_2_8_L_0									
31 D	13.94	2.3181E-03	43.70	69.68	114.0	74.92	UL-RL	1.5824E+04	-6.000	0.000	1.000	1.000
69.68	0.000	0.000	Strato1_2_8_L_0									
32 D	14.21	2.1340E-03	47.50	71.06	117.8	75.79	UL-RL	1.5824E+04	-6.200	0.000	1.000	1.000
71.06	0.000	0.000	Strato1_2_8_L_0									
33 D	14.49	1.9585E-03	51.30	72.46	121.6	76.70	UL-RL	1.5824E+04	-6.400	0.000	1.000	1.000
72.46	0.000	0.000	Strato1_2_8_L_0									
34 D	14.78	1.7917E-03	55.10	73.89	125.4	77.67	UL-RL	1.5824E+04	-6.600	0.000	1.000	1.000
73.89	0.000	0.000	Strato1_2_8_L_0									
35 D	15.07	1.6336E-03	58.90	75.34	129.2	78.70	UL-RL	1.5824E+04	-6.800	0.000	1.000	1.000
75.34	0.000	0.000	Strato1_2_8_L_0									
36 D	15.37	1.4844E-03	62.70	76.83	133.0	79.78	UL-RL	1.5824E+04	-7.000	0.000	1.000	1.000
76.83	0.000	0.000	Strato1_2_8_L_0									
37 D	15.67	1.3441E-03	66.50	78.34	136.8	80.91	UL-RL	1.5824E+04	-7.200	0.000	1.000	1.000
78.34	0.000	0.000	Strato1_2_8_L_0									
38 D	15.98	1.2126E-03	70.30	79.88	140.6	82.10	UL-RL	1.5824E+04	-7.400	0.000	1.000	1.000
79.88	0.000	0.000	Strato1_2_8_L_0									
39 D	16.29	1.0899E-03	74.10	81.45	144.4	83.35	UL-RL	1.5824E+04	-7.600	0.000	1.000	1.000
81.45	0.000	0.000	Strato1_2_8_L_0									
40 D	16.61	9.7594E-04	77.90	83.05	148.2	84.65	UL-RL	1.5824E+04	-7.800	0.000	1.000	1.000
83.05	0.000	0.000	Strato1_2_8_L_0									
41 D	16.93	8.7053E-04	81.70	84.67	152.0	86.00	UL-RL	1.5824E+04	-8.000	0.000	1.000	1.000
84.67	0.000	0.000	Strato1_2_8_L_0									
42 D	17.26	7.7352E-04	85.50	86.32	155.8	87.41	UL-RL	1.5824E+04	-8.200	0.000	1.000	1.000
86.32	0.000	0.000	Strato1_2_8_L_0									
43 D	17.60	6.8470E-04	89.30	88.00	159.6	88.86	UL-RL	1.5824E+04	-8.400	0.000	1.000	1.000
88.00	0.000	0.000	Strato1_2_8_L_0									
44 D	17.94	6.0385E-04	93.10	89.71	163.4	90.37	UL-RL	1.5824E+04	-8.600	0.000	1.000	1.000
89.71	0.000	0.000	Strato1_2_8_L_0									
45 D	16.43	5.3070E-04	97.00	82.17	167.3	85.04	UL-RL	3.5635E+04	-8.800	0.000	1.000	1.000
82.17	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.38	4.6499E-04	101.0	81.92	171.3	86.98	UL-RL	3.5635E+04	-9.000	0.000	1.000	1.000
81.92	0.000	0.000	Strato2_3095_82743_L_0									
47 D	16.38	4.0637E-04	105.0	81.92	175.3	88.92	UL-RL	3.5635E+04	-9.200	0.000	1.000	1.000
81.92	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.43	3.5450E-04	109.0	82.15	179.3	90.87	UL-RL	3.5635E+04	-9.400	0.000	1.000	1.000
82.15	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.52	3.0899E-04	113.0	82.61	183.3	92.82	UL-RL	3.5635E+04	-9.600	0.000	1.000	1.000
82.61	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.65	2.6942E-04	117.0	83.27	187.3	94.78	UL-RL	3.5635E+04	-9.800	0.000	1.000	1.000
83.27	0.000	0.000	Strato2_3095_82743_L_0									
51 D	16.83	2.3540E-04	121.0	84.13	191.3	96.73	UL-RL	3.5635E+04	-10.00	0.000	1.000	1.000
84.13	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.03	2.0650E-04	125.0	85.16	195.3	98.69	UL-RL	3.5635E+04	-10.20	0.000	1.000	1.000
85.16	0.000	0.000	Strato2_3095_82743_L_0									
53 D	17.27	1.8230E-04	129.0	86.36	199.3	100.7	UL-RL	3.5635E+04	-10.40	0.000	1.000	1.000
86.36	0.000	0.000	Strato2_3095_82743_L_0									
54 D	17.54	1.6240E-04	133.0	87.71	203.3	102.6	UL-RL	3.5635E+04	-10.60	0.000	1.000	1.000
87.71	0.000	0.000	Strato2_3095_82743_L_0									
55 D	17.84	1.4639E-04	137.0	89.19	207.3	104.6	UL-RL	3.5635E+04	-10.80	0.000	1.000	1.000
89.19	0.000	0.000	Strato2_3095_82743_L_0									
56 D	18.16	1.3389E-04	141.0	90.80	211.3	106.6	UL-RL	3.5635E+04	-11.00	0.000	1.000	1.000
90.80	0.000	0.000	Strato2_3095_82743_L_0									
57 D	18.50	1.2454E-04	145.0	92.51	215.3	108.5	UL-RL	3.5635E+04	-11.20	0.000	1.000	1.000
92.51	0.000	0.000	Strato2_3095_82743_L_0									
58 D	18.87	1.1798E-04	149.0	94.33	219.3	110.5	UL-RL	3.5635E+04	-11.40	0.000	1.000	1.000
94.33	0.000	0.000	Strato2_3095_82743_L_0									
59 D	19.24	1.1390E-04	153.0	96.22	223.3	112.5	UL-RL	3.5635E+04	-11.60	0.000	1.000	1.000
96.22	0.000	0.000	Strato2_3095_82743_L_0									
60 D	19.64	1.1198E-04	157.0	98.19	227.3	114.5	UL-RL	3.5635E+04	-11.80	0.000	1.000	1.000
98.19	0.000	0.000	Strato2_3095_82743_L_0									
61 D	20.05	1.1194E-04	161.0	100.2	231.3	116.5	UL-RL	3.5635E+04	-12.00	0.000	1.000	1.000
100.2	0.000	0.000	Strato2_3095_82743_L_0									
62 D	20.46	1.1352E-04	165.0	102.3	235.3	118.5	UL-RL	3.5635E+04	-12.20	0.000	1.000	1.000
102.3	0.000	0.000	Strato2_3095_82743_L_0									
63 D	20.89	1.1649E-04	169.0	104.5	239.3	120.5	UL-RL	3.5635E+04	-12.40	0.000	1.000	1.000
104.5	0.000	0.000	Strato2_3095_82743_L_0									
64 D	21.33	1.2062E-04	173.0	106.6	243.3	122.5	UL-RL	3.5635E+04	-12.60	0.000	1.000	1.000
106.6	0.000	0.000	Strato2_3095_82743_L_0									
65 D	21.77	1.2574E-04	177.0	108.9	247.3	124.5	UL-RL	3.5635E+04	-12.80	0.000	1.000	1.000
108.9	0.000	0.000	Strato2_3095_82743_L_0									
66 D	22.22	1.3166E-04	181.0	111.1	251.3	126.4	UL-RL	3.5635E+04	-13.00	0.000	1.000	1.000
111.1	0.000	0.000	Strato2_3095_82743_L_0									
67 D	22.67	1.3824E-04	185.0	113.4	255.3	128.4	UL-RL	3.5635E+04	-13.20	0.000	1.000	1.000
113.4	0.000	0.000	Strato2_3095_82743_L_0									
68 D	23.13	1.4534E-04	189.0	115.6	259.3	130.4	UL-RL	3.5635E+04	-13.40	0.000	1.000	1.000
115.6	0.000	0.000	Strato2_3095_82743_L_0									
69 D	23.58	1.5286E-04	193.0	117.9	263.3	132.4	UL-RL	3.5635E+04	-13.60	0.000	1.000	1.000
117.9	0.000	0.000	Strato2_3095_82743_L_0									

70 D	24.05	1.6069E-04	197.0	120.2	267.3	134.4	UL-RL	3.5635E+04	-13.80	0.000	1.000	1.000	120.2
0.000	0.000	Strato2_3095_82743_L_0											
71 D	24.51	1.6876E-04	201.0	122.5	271.3	136.4	UL-RL	3.5635E+04	-14.00	0.000	1.000	1.000	122.5
0.000	0.000	Strato2_3095_82743_L_0											
72 D	24.97	1.7700E-04	205.0	124.9	275.3	138.4	UL-RL	3.5635E+04	-14.20	0.000	1.000	1.000	124.9
0.000	0.000	Strato2_3095_82743_L_0											
73 D	25.43	1.8536E-04	209.0	127.2	279.3	140.4	UL-RL	3.5635E+04	-14.40	0.000	1.000	1.000	127.2
0.000	0.000	Strato2_3095_82743_L_0											
74 D	25.90	1.9380E-04	213.0	129.5	283.3	142.4	UL-RL	3.5635E+04	-14.60	0.000	1.000	1.000	129.5
0.000	0.000	Strato2_3095_82743_L_0											
75 D	26.36	2.0229E-04	217.0	131.8	287.3	144.5	UL-RL	3.5635E+04	-14.80	0.000	1.000	1.000	131.8
0.000	0.000	Strato2_3095_82743_L_0											
76 D	26.83	2.1080E-04	221.0	134.1	291.3	146.5	UL-RL	3.5635E+04	-15.00	0.000	1.000	1.000	134.1
0.000	0.000	Strato2_3095_82743_L_0											
77 D	27.29	2.1933E-04	225.0	136.5	295.3	148.5	UL-RL	3.5635E+04	-15.20	0.000	1.000	1.000	136.5
0.000	0.000	Strato2_3095_82743_L_0											
78 D	27.76	2.2786E-04	229.0	138.8	299.3	150.5	UL-RL	3.5635E+04	-15.40	0.000	1.000	1.000	138.8
0.000	0.000	Strato2_3095_82743_L_0											
79 D	28.22	2.3639E-04	233.0	141.1	303.3	152.5	UL-RL	3.5635E+04	-15.60	0.000	1.000	1.000	141.1
0.000	0.000	Strato2_3095_82743_L_0											
80 D	28.68	2.4491E-04	237.0	143.4	307.3	154.5	UL-RL	3.5635E+04	-15.80	0.000	1.000	1.000	143.4
0.000	0.000	Strato2_3095_82743_L_0											
81 D	14.57	2.5344E-04	241.0	145.7	311.3	156.5	UL-RL	3.5635E+04	-16.00	0.000	1.000	1.000	145.7
0.000	0.000	Strato2_3095_82743_L_0											

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                Exe Time :29 July 2019      18:01:12                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                 :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.4226     -1.4226     5.53646E-11 0.28452
    2  4.0263     -4.0263    -0.28452     1.0898
    3  7.0877     -7.0877     -1.0898     2.5073
    4  10.535     -10.535     -2.5073     4.6142
    5  14.344     -14.344     -4.6142     7.4830
    6  18.505     -18.505     -7.4830     11.184
    7  23.013     -23.013     -11.184     15.787
    8  27.865     -27.865     -15.787     21.360
    9  32.973     -32.973     -21.360     27.954
   10  38.429     -38.429     -27.954     35.640
   11  44.229     -44.229     -35.640     44.486
   12  50.369     -50.369     -44.486     54.560
   13  56.847     -56.847     -54.560     65.929
   14  63.660     -63.660     -65.929     78.661
   15  70.805     -70.805     -78.661     92.822
   16  78.233     -78.233     -92.822     108.47
   17 -4.7503      4.7503     -108.47     107.52
   18  3.3303     -3.3303     -107.52     108.18
   19  11.732     -11.732     -108.18     110.53
   20  20.311     -20.311     -110.53     114.59
   21  28.169     -28.169     -114.59     120.23
   22  33.761     -33.761     -120.23     126.98
   23  37.044     -37.044     -126.98     134.39
   24  37.996     -37.996     -134.39     141.99
   25  36.644     -36.644     -141.99     149.32
   26  33.728     -33.728     -149.32     156.06
   27  30.705     -30.705     -156.06     162.20
   28  27.572     -27.572     -162.20     167.72
   29  24.329     -24.329     -167.72     172.58
   30  20.977     -20.977     -172.58     176.78
   31  17.496     -17.496     -176.78     180.28
   32  13.907     -13.907     -180.28     183.06
   33  10.210     -10.210     -183.06     185.10
   34  6.4055     -6.4055     -185.10     186.38
   35  2.4952     -2.4952     -186.38     186.88
   36 -1.5204      1.5204     -186.88     186.58
   37 -5.6404      5.6404     -186.58     185.45
   38 -9.8643      9.8643     -185.45     183.48
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   39 -14.206      14.206     -183.48      180.64
   40 -18.103      18.103     -180.64      177.01
   41 -21.515      21.515     -177.01      172.71
   42 -24.478      24.478     -172.71      167.82
   43 -27.030      27.030     -167.82      162.41
   44 -29.205      29.205     -162.41      156.57
   45 -34.190      34.190     -156.57      149.73
   46 -38.030      38.030     -149.73      142.13
   47 -40.832      40.832     -142.13      133.96
   48 -42.714      42.714     -133.96      125.42
   49 -43.790      43.790     -125.42      116.66
   50 -44.162      44.162     -116.66      107.83
   51 -43.931      43.931     -107.83      99.039
   52 -43.185      43.185     -99.039      90.403
   53 -42.008      42.008     -90.403      82.001
   54 -40.491      40.491     -82.001      73.903
   55 -38.688      38.688     -73.903      66.165
   56 -36.663      36.663     -66.165      58.832
   57 -34.470      34.470     -58.832      51.938
   58 -32.160      32.160     -51.938      45.506
   59 -29.778      29.778     -45.506      39.551
   60 -27.360      27.360     -39.551      34.079
   61 -24.955      24.955     -34.079      29.088
   62 -22.577      22.577     -29.088      24.572
   63 -20.253      20.253     -24.572      20.522
   64 -18.002      18.002     -20.522      16.921
   65 -15.843      15.843     -16.921      13.753
   66 -13.790      13.790     -13.753      10.995
   67 -11.854      11.854     -10.995      8.6241
   68 -10.046      10.046     -8.6241      6.6148
   69 -8.3842      8.3842     -6.6148      4.9380
   70 -6.8623      6.8623     -4.9380      3.5655
   71 -5.4850      5.4850     -3.5655      2.4685
   72 -4.2554      4.2554     -2.4685      1.6174
   73 -3.1757      3.1757     -1.6174     0.98231
   74 -2.2471      2.2471    -0.98231     0.53288
   75 -1.4707      1.4707    -0.53288     0.23874
   76-0.85665     0.85665    -0.23874     6.74099E-02
   77-0.39517     0.39517    -6.74099E-02-1.16232E-02
   78-8.62418E-02 8.62418E-02 1.16232E-02-2.88716E-02
   79 7.01778E-02-7.01778E-02 2.88716E-02-1.48360E-02
   80 7.41764E-02-7.41764E-02 1.48360E-02 2.53116E-12



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:01:12                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -8.47140E-04 -8.47140E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1760E+06 RIMNOR=0.1827E+07
            RENORM= 6595.     REMNOR=0.9990E-19 RATIO =0.1936     TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 186.9
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1760E+06 RDR   =0.1827E+07
            RATIOT=0.1936     RATIOR= 0.000
            MAX UN= 17.94     IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
            MIN UN=-.1545E-08 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.1760E+06 RIMNOR=0.1827E+07
            RENORM= 628.0     REMNOR=0.4281E-18 RATIO =0.5974E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74     RMMAX = 186.9
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1760E+06 RDR   =0.1827E+07
```

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           RATIOT=0.5974E-01 RATIOR= 0.000
           MAX UN= 9.117     IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           MIN UN=-.1571E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1760E+06 RIMNOR=0.1827E+07
           RENORM= 394.4     REMNOR=0.1493E-17 RATIO =0.4734E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 186.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1760E+06 RDR   =0.1827E+07
           RATIOT=0.4734E-01 RATIOR= 0.000
           MAX UN= 7.334     IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.4159E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1760E+06 RIMNOR=0.1827E+07
           RENORM= 101.5     REMNOR=0.3754E-17 RATIO =0.2401E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 186.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1760E+06 RDR   =0.1827E+07
           RATIOT=0.2401E-01 RATIOR= 0.000
           MAX UN= 6.677     IEQ=   115 NODE     58 DOF   1  Y-DISPL.F
           MIN UN=-1.357     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1760E+06 RIMNOR=0.1827E+07
           RENORM=0.8006     REMNOR=0.1384E-17 RATIO =0.2133E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 186.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1760E+06 RDR   =0.1827E+07
           RATIOT=0.2133E-02 RATIOR= 0.000
           MAX UN=0.7197     IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.5518E-08 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1760E+06 RIMNOR=0.1827E+07
           RENORM=0.8391E-06 REMNOR=0.2206E-17 RATIO =0.2184E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 186.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1760E+06 RDR   =0.1827E+07
           RATIOT=0.2184E-05 RATIOR= 0.000
           MAX UN=0.1066E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.9160E-03 IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:01:12                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)           (
    1   3.3208468E-02  -2.6573023E-03
    2   3.2677008E-02  -2.6572907E-03
    3   3.2145554E-02  -2.6572368E-03
    4   3.1614119E-02  -2.6570933E-03
    5   3.1082727E-02  -2.6567959E-03
    6   3.0551417E-02  -2.6562656E-03
    7   3.0020243E-02  -2.6554091E-03
    8   2.9489282E-02  -2.6541188E-03
    9   2.8958632E-02  -2.6522734E-03
   10   2.8428418E-02  -2.6497392E-03
   11   2.7898792E-02  -2.6463703E-03
   12   2.7369937E-02  -2.6420066E-03
   13   2.6842067E-02  -2.6364743E-03
```

14	2.6315437E-02	-2.6295854E-03
15	2.5790337E-02	-2.6211386E-03
16	2.5267100E-02	-2.6109183E-03
17	2.4746103E-02	-2.5986965E-03
18	2.4227553E-02	-2.5874998E-03
19	2.3710834E-02	-2.5803411E-03
20	2.3195165E-02	-2.5769518E-03
21	2.2679821E-02	-2.5770494E-03
22	2.2164133E-02	-2.5803379E-03
23	2.1647494E-02	-2.5865075E-03
24	2.1129362E-02	-2.5952346E-03
25	2.0609254E-02	-2.6061828E-03
26	2.0086764E-02	-2.6190023E-03
27	1.9561553E-02	-2.6333297E-03
28	1.9033357E-02	-2.6487880E-03
29	1.8501991E-02	-2.6649864E-03
30	1.7967343E-02	-2.6815205E-03
31	1.7429388E-02	-2.6979725E-03
32	1.6888188E-02	-2.7139109E-03
33	1.6343888E-02	-2.7288913E-03
34	1.5796726E-02	-2.7424556E-03
35	1.5247034E-02	-2.7541321E-03
36	1.4695234E-02	-2.7634353E-03
37	1.4141852E-02	-2.7698664E-03
38	1.3587513E-02	-2.7729125E-03
39	1.3032947E-02	-2.7720474E-03
40	1.2478993E-02	-2.7667315E-03
41	1.1926591E-02	-2.7564121E-03
42	1.1376800E-02	-2.7405226E-03
43	1.0830792E-02	-2.7184830E-03
44	1.0289856E-02	-2.6896995E-03
45	9.7554050E-03	-2.6535652E-03
46	9.2289317E-03	-2.6099511E-03
47	8.7118945E-03	-2.5592872E-03
48	8.2056485E-03	-2.5021478E-03
49	7.7114198E-03	-2.4392423E-03
50	7.2302875E-03	-2.3713343E-03
51	6.7631724E-03	-2.2991681E-03
52	6.3108645E-03	-2.2234727E-03
53	5.8739806E-03	-2.1449552E-03
54	5.4530243E-03	-2.0643102E-03
55	5.0483531E-03	-1.9822159E-03
56	4.6601903E-03	-1.8993352E-03
57	4.2886281E-03	-1.8163176E-03
58	3.9336300E-03	-1.7337993E-03
59	3.5950335E-03	-1.6524046E-03
60	3.2725524E-03	-1.5727467E-03
61	2.9657788E-03	-1.4954289E-03
62	2.6741852E-03	-1.4210452E-03
63	2.3971270E-03	-1.3501682E-03
64	2.1338498E-03	-1.2833143E-03
65	1.8835046E-03	-1.2209108E-03
66	1.6451667E-03	-1.1632875E-03
67	1.4178551E-03	-1.1106817E-03
68	1.2005496E-03	-1.0632430E-03
69	9.9220894E-04	-1.0210380E-03
70	7.9178634E-04	-9.8405379E-04
71	5.9824527E-04	-9.5220188E-04
72	4.1057421E-04	-9.2532066E-04
73	2.2780110E-04	-9.0317801E-04
74	4.9007140E-05	-8.8547341E-04
75	-1.2665966E-04	-8.7183967E-04
76	-2.9997129E-04	-8.6184428E-04
77	-4.7160682E-04	-8.5499071E-04
78	-6.4214038E-04	-8.5072926E-04
79	-8.1203197E-04	-8.4846952E-04
80	-9.8161971E-04	-8.4758266E-04
81	-1.1511206E-03	-8.4740143E-04

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:01:12                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L                           :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
```

C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL * Peq	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
	Su_a	Su_p	LAYER									
1 D	0.4875	-3.3208E-02	13.00	4.875	13.00	14.23	ACTIVE	0.000	0.000	0.000	1.000	1.000
4.875	0.000	0.000	Strato1_2_8_L_0									
2 D	0.8075	-3.2677E-02	10.77	4.038	10.77	13.02	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
4.038	0.000	0.000	Strato1_2_8_L_0									
3 D	1.188	-3.2146E-02	15.84	5.941	15.84	15.31	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
5.941	0.000	0.000	Strato1_2_8_L_0									
4 D	1.512	-3.1614E-02	20.16	7.561	20.16	17.23	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
7.561	0.000	0.000	Strato1_2_8_L_0									
5 D	1.818	-3.1083E-02	24.24	9.092	24.24	19.05	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
9.092	0.000	0.000	Strato1_2_8_L_0									
6 D	2.117	-3.0551E-02	28.22	10.58	28.22	20.81	ACTIVE	0.000	-1.000	0.000	1.000	1.000
10.58	0.000	0.000	Strato1_2_8_L_0									
7 D	2.411	-3.0020E-02	32.14	12.05	32.14	22.54	ACTIVE	0.000	-1.200	0.000	1.000	1.000
12.05	0.000	0.000	Strato1_2_8_L_0									
8 D	2.702	-2.9489E-02	36.03	13.51	36.03	24.26	ACTIVE	0.000	-1.400	0.000	1.000	1.000
13.51	0.000	0.000	Strato1_2_8_L_0									
9 D	2.927	-2.8959E-02	39.02	14.63	39.02	25.54	ACTIVE	0.000	-1.600	0.000	1.000	1.000
14.63	0.000	0.000	Strato1_2_8_L_0									
10 D	3.223	-2.8428E-02	42.97	16.11	42.97	27.28	ACTIVE	0.000	-1.800	0.000	1.000	1.000
16.11	0.000	0.000	Strato1_2_8_L_0									
11 D	3.517	-2.7899E-02	46.89	17.58	46.89	29.00	ACTIVE	0.000	-2.000	0.000	1.000	1.000
17.58	0.000	0.000	Strato1_2_8_L_0									
12 D	3.809	-2.7370E-02	50.79	19.05	50.79	30.70	ACTIVE	0.000	-2.200	0.000	1.000	1.000
19.05	0.000	0.000	Strato1_2_8_L_0									
13 D	4.100	-2.6842E-02	54.67	20.50	54.67	32.39	ACTIVE	0.000	-2.400	0.000	1.000	1.000
20.50	0.000	0.000	Strato1_2_8_L_0									
14 D	4.391	-2.6315E-02	58.54	21.95	58.54	34.07	ACTIVE	0.000	-2.600	0.000	1.000	1.000
21.95	0.000	0.000	Strato1_2_8_L_0									
15 D	4.680	-2.5790E-02	62.40	23.40	62.40	35.72	ACTIVE	0.000	-2.800	0.000	1.000	1.000
23.40	0.000	0.000	Strato1_2_8_L_0									
16 D	4.933	-2.5267E-02	65.77	24.66	65.77	37.14	ACTIVE	0.000	-3.000	0.000	1.000	1.000
24.66	0.000	0.000	Strato1_2_8_L_0									
17 D	5.223	-2.4746E-02	69.65	26.12	69.65	38.78	ACTIVE	0.000	-3.200	0.000	1.000	1.000
26.12	0.000	0.000	Strato1_2_8_L_0									
18 D	5.514	-2.4228E-02	73.51	27.57	73.51	40.40	ACTIVE	0.000	-3.400	0.000	1.000	1.000
27.57	0.000	0.000	Strato1_2_8_L_0									
19 D	5.803	-2.3711E-02	77.37	29.02	77.37	42.01	ACTIVE	0.000	-3.600	0.000	1.000	1.000
29.02	0.000	0.000	Strato1_2_8_L_0									
20 D	6.092	-2.3195E-02	81.23	30.46	81.23	43.60	ACTIVE	0.000	-3.800	0.000	1.000	1.000
30.46	0.000	0.000	Strato1_2_8_L_0									
21 D	6.381	-2.2680E-02	85.07	31.90	85.07	45.19	ACTIVE	0.000	-4.000	0.000	1.000	1.000
31.90	0.000	0.000	Strato1_2_8_L_0									
22 D	6.669	-2.2164E-02	88.92	33.34	88.92	47.13	ACTIVE	0.000	-4.200	0.000	1.000	1.000
33.34	0.000	0.000	Strato1_2_8_L_0									
23 D	6.957	-2.1647E-02	92.76	34.78	92.76	49.16	ACTIVE	0.000	-4.400	0.000	1.000	1.000
34.78	0.000	0.000	Strato1_2_8_L_0									
24 D	7.221	-2.1129E-02	96.28	36.10	96.28	51.03	ACTIVE	0.000	-4.600	0.000	1.000	1.000
36.10	0.000	0.000	Strato1_2_8_L_0									
25 D	7.509	-2.0609E-02	100.1	37.55	100.1	53.07	ACTIVE	0.000	-4.800	0.000	1.000	1.000
37.55	0.000	0.000	Strato1_2_8_L_0									
26 D	7.797	-2.0087E-02	104.0	38.99	104.0	55.10	ACTIVE	0.000	-5.000	0.000	1.000	1.000
38.99	0.000	0.000	Strato1_2_8_L_0									
27 D	8.085	-1.9562E-02	107.8	40.43	107.8	57.14	ACTIVE	0.000	-5.200	0.000	1.000	1.000
40.43	0.000	0.000	Strato1_2_8_L_0									
28 D	8.373	-1.9033E-02	111.6	41.87	111.6	59.17	ACTIVE	0.000	-5.400	0.000	1.000	1.000
41.87	0.000	0.000	Strato1_2_8_L_0									
29 D	8.661	-1.8502E-02	115.5	43.30	115.5	61.20	ACTIVE	0.000	-5.600	0.000	1.000	1.000
43.30	0.000	0.000	Strato1_2_8_L_0									
30 D	8.948	-1.7967E-02	119.3	44.74	119.3	63.23	ACTIVE	0.000	-5.800	0.000	1.000	1.000
44.74	0.000	0.000	Strato1_2_8_L_0									
31 D	9.217	-1.7429E-02	122.9	46.08	122.9	65.13	ACTIVE	0.000	-6.000	0.000	1.000	1.000
46.08	0.000	0.000	Strato1_2_8_L_0									
32 D	9.505	-1.6888E-02	126.7	47.52	126.7	67.17	ACTIVE	0.000	-6.200	0.000	1.000	1.000
47.52	0.000	0.000	Strato1_2_8_L_0									
33 D	9.792	-1.6344E-02	130.6	48.96	130.6	69.20	ACTIVE	0.000	-6.400	0.000	1.000	1.000
48.96	0.000	0.000	Strato1_2_8_L_0									
34 D	10.08	-1.5797E-02	134.4	50.40	134.4	71.23	ACTIVE	0.000	-6.600	0.000	1.000	1.000
50.40	0.000	0.000	Strato1_2_8_L_0									
35 D	10.37	-1.5247E-02	138.2	51.83	138.2	73.26	ACTIVE	0.000	-6.800	0.000	1.000	1.000
51.83	0.000	0.000	Strato1_2_8_L_0									
36 D	10.65	-1.4695E-02	142.1	53.27	142.1	75.29	ACTIVE	0.000	-7.000	0.000	1.000	1.000
53.27	0.000	0.000	Strato1_2_8_L_0									
37 D	10.94	-1.4142E-02	145.9	54.70	145.9	77.31	ACTIVE	0.000	-7.200	0.000	1.000	1.000
54.70	0.000	0.000	Strato1_2_8_L_0									
38 D	11.23	-1.3588E-02	149.7	56.14	149.7	79.34	ACTIVE	0.000	-7.400	0.000	1.000	1.000

56.14	0.000	0.000	Strato1_2_8_L_0										
39 D	11.50	-1.3033E-02	153.3	57.50	153.3	81.27	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
57.50	0.000	0.000	Strato1_2_8_L_0										
40 D	11.79	-1.2479E-02	157.2	58.93	157.2	83.29	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
58.93	0.000	0.000	Strato1_2_8_L_0										
41 D	12.07	-1.1927E-02	161.0	60.37	161.0	85.32	ACTIVE	0.000	-8.000	0.000	1.000	1.000	
60.37	0.000	0.000	Strato1_2_8_L_0										
42 D	12.36	-1.1377E-02	164.8	61.80	164.8	87.35	ACTIVE	0.000	-8.200	0.000	1.000	1.000	
61.80	0.000	0.000	Strato1_2_8_L_0										
43 D	12.65	-1.0831E-02	168.6	63.24	168.6	89.38	ACTIVE	0.000	-8.400	0.000	1.000	1.000	
63.24	0.000	0.000	Strato1_2_8_L_0										
44 D	12.93	-1.0290E-02	172.5	64.67	172.5	91.40	ACTIVE	0.000	-8.600	0.000	1.000	1.000	
64.67	0.000	0.000	Strato1_2_8_L_0										
45 D	7.077	-9.7554E-03	176.4	35.39	176.4	88.19	ACTIVE	0.000	-8.800	0.000	1.000	1.000	
35.39	0.000	0.000	Strato2_3095_82743_L_0										
46 D	7.309	-9.2289E-03	180.2	36.54	180.2	90.12	ACTIVE	0.000	-9.000	0.000	1.000	1.000	
36.54	0.000	0.000	Strato2_3095_82743_L_0										
47 D	7.550	-8.7119E-03	184.3	37.75	184.3	92.13	ACTIVE	0.000	-9.200	0.000	1.000	1.000	
37.75	0.000	0.000	Strato2_3095_82743_L_0										
48 D	7.791	-8.2056E-03	188.3	38.96	188.3	94.14	ACTIVE	0.000	-9.400	0.000	1.000	1.000	
38.96	0.000	0.000	Strato2_3095_82743_L_0										
49 D	8.033	-7.7114E-03	192.3	40.16	192.3	96.15	ACTIVE	0.000	-9.600	0.000	1.000	1.000	
40.16	0.000	0.000	Strato2_3095_82743_L_0										
50 D	8.274	-7.2303E-03	196.3	41.37	196.3	98.16	ACTIVE	0.000	-9.800	0.000	1.000	1.000	
41.37	0.000	0.000	Strato2_3095_82743_L_0										
51 D	8.515	-6.7632E-03	200.3	42.57	200.3	100.2	ACTIVE	0.000	-10.00	0.000	1.000	1.000	
42.57	0.000	0.000	Strato2_3095_82743_L_0										
52 D	8.756	-6.3109E-03	204.4	43.78	204.4	102.2	ACTIVE	0.000	-10.20	0.000	1.000	1.000	
43.78	0.000	0.000	Strato2_3095_82743_L_0										
53 D	8.997	-5.8740E-03	208.4	44.99	208.4	104.2	ACTIVE	0.000	-10.40	0.000	1.000	1.000	
44.99	0.000	0.000	Strato2_3095_82743_L_0										
54 D	9.230	-5.4530E-03	212.3	46.15	212.3	106.1	ACTIVE	0.000	-10.60	0.000	1.000	1.000	
46.15	0.000	0.000	Strato2_3095_82743_L_0										
55 D	9.471	-5.0484E-03	216.3	47.36	216.3	108.1	ACTIVE	0.000	-10.80	0.000	1.000	1.000	
47.36	0.000	0.000	Strato2_3095_82743_L_0										
56 D	9.712	-4.6602E-03	220.3	48.56	220.3	110.1	ACTIVE	0.000	-11.00	0.000	1.000	1.000	
48.56	0.000	0.000	Strato2_3095_82743_L_0										
57 D	9.953	-4.2886E-03	224.3	49.77	224.3	112.2	ACTIVE	0.000	-11.20	0.000	1.000	1.000	
49.77	0.000	0.000	Strato2_3095_82743_L_0										
58 D	10.19	-3.9336E-03	228.3	50.97	228.3	114.2	ACTIVE	0.000	-11.40	0.000	1.000	1.000	
50.97	0.000	0.000	Strato2_3095_82743_L_0										
59 D	10.44	-3.5950E-03	232.3	52.18	232.3	116.2	ACTIVE	0.000	-11.60	0.000	1.000	1.000	
52.18	0.000	0.000	Strato2_3095_82743_L_0										
60 D	10.68	-3.2726E-03	236.4	53.38	236.4	118.2	ACTIVE	0.000	-11.80	0.000	1.000	1.000	
53.38	0.000	0.000	Strato2_3095_82743_L_0										
61 D	10.91	-2.9658E-03	240.3	54.55	240.3	120.1	ACTIVE	0.000	-12.00	0.000	1.000	1.000	
54.55	0.000	0.000	Strato2_3095_82743_L_0										
62 D	11.15	-2.6742E-03	244.3	55.75	244.3	122.1	ACTIVE	0.000	-12.20	0.000	1.000	1.000	
55.75	0.000	0.000	Strato2_3095_82743_L_0										
63 D	12.27	-2.3971E-03	248.3	61.35	248.3	124.1	UL-RL	2.3998E+04	-12.40	0.000	1.000	1.000	
61.35	0.000	0.000	Strato2_3095_82743_L_0										
64 D	13.92	-2.1338E-03	252.3	69.58	252.3	126.2	UL-RL	2.3998E+04	-12.60	0.000	1.000	1.000	
69.58	0.000	0.000	Strato2_3095_82743_L_0										
65 D	15.49	-1.8835E-03	256.3	77.46	256.3	128.2	UL-RL	2.3998E+04	-12.80	0.000	1.000	1.000	
77.46	0.000	0.000	Strato2_3095_82743_L_0										
66 D	17.01	-1.6452E-03	260.3	85.04	260.3	130.2	UL-RL	2.3998E+04	-13.00	0.000	1.000	1.000	
85.04	0.000	0.000	Strato2_3095_82743_L_0										
67 D	18.46	-1.4179E-03	264.3	92.32	264.3	132.2	UL-RL	2.3998E+04	-13.20	0.000	1.000	1.000	
92.32	0.000	0.000	Strato2_3095_82743_L_0										
68 D	19.87	-1.2005E-03	268.4	99.35	268.4	134.2	UL-RL	2.3998E+04	-13.40	0.000	1.000	1.000	
99.35	0.000	0.000	Strato2_3095_82743_L_0										
69 D	21.22	-9.9221E-04	272.3	106.1	272.3	136.1	UL-RL	2.3998E+04	-13.60	0.000	1.000	1.000	
106.1	0.000	0.000	Strato2_3095_82743_L_0										
70 D	22.54	-7.9179E-04	276.3	112.7	276.3	138.1	UL-RL	2.3998E+04	-13.80	0.000	1.000	1.000	
112.7	0.000	0.000	Strato2_3095_82743_L_0										
71 D	23.82	-5.9825E-04	280.3	119.1	280.3	140.1	UL-RL	2.3998E+04	-14.00	0.000	1.000	1.000	
119.1	0.000	0.000	Strato2_3095_82743_L_0										
72 D	25.08	-4.1057E-04	284.3	125.4	284.3	142.2	UL-RL	2.3998E+04	-14.20	0.000	1.000	1.000	
125.4	0.000	0.000	Strato2_3095_82743_L_0										
73 D	26.31	-2.2780E-04	288.3	131.6	288.3	144.2	UL-RL	2.3998E+04	-14.40	0.000	1.000	1.000	
131.6	0.000	0.000	Strato2_3095_82743_L_0										
74 D	27.52	-4.9007E-05	292.3	137.6	292.3	146.2	UL-RL	2.3998E+04	-14.60	0.000	1.000	1.000	
137.6	0.000	0.000	Strato2_3095_82743_L_0										
75 D	28.72	1.2666E-04	296.4	143.6	296.4	148.2	UL-RL	2.3998E+04	-14.80	0.000	1.000	1.000	
143.6	0.000	0.000	Strato2_3095_82743_L_0										
76 D	29.89	2.9997E-04	300.3	149.5	300.3	150.1	UL-RL	2.3998E+04	-15.00	0.000	1.000	1.000	
149.5	0.000	0.000	Strato2_3095_82743_L_0										
77 D	30.64	4.7161E-04	304.3	153.2	304.3	153.2	UL-RL	2.3998E+04	-15.20	0.000	1.000	1.000	
153.2	0.000	0.000	Strato2_3095_82743_L_0										
78 D	31.30	6.4214E-04	308.3	156.5	308.3	156.5	V-C	7999.	-15.40	0.000	1.000	1.000	
156.5	0.000	0.000	Strato2_3095_82743_L_0										
79 D	31.96	8.1203E-04	312.3	159.8	312.3	159.8	V-C	7999.	-15.60	0.000	1.000	1.000	
159.8	0.000	0.000	Strato2_3095_82743_L_0										
80 D	32.61	9.8162E-04	316.3	163.1	316.3	163.1	V-C	7999.	-15.80	0.000	1.000	1.000	
163.1	0.000	0.000	Strato2_3095_82743_L_0										

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  81 D   16.63      1.1511E-03   320.3       166.3       320.3       166.3            V-C   7999.      -16.00       0.000        1.000        1.000
166.3       0.000       0.000     Strato2_3095_82743_L_0



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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                          |
 |                                                                                                                                     |
 |                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                                   |
 |                                    Exe Time :29 July 2019      18:01:12                                                             |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE    STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --         0.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --        -0.2000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --        -0.4000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --        -0.6000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --        -0.8000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --        -1.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --        -1.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --        -1.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --        -1.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --        -1.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --        -2.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --        -2.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --        -2.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --        -2.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --        -2.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --        -3.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --        -3.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --        -3.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --        -3.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --        -3.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --        -4.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --        -4.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --        -4.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --        -4.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --        -4.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --        -5.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --        -5.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --          REMOVED     --        -5.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
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29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
32	0.000	--	--	--	--	--	REMOVED	--	-6.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
33	0.000	--	--	--	--	--	REMOVED	--	-6.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
34	0.000	--	--	--	--	--	REMOVED	--	-6.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
35	0.000	--	--	--	--	--	REMOVED	--	-6.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
36	0.000	--	--	--	--	--	REMOVED	--	-7.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
37	0.000	--	--	--	--	--	REMOVED	--	-7.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
38	0.000	--	--	--	--	--	REMOVED	--	-7.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
39	0.000	--	--	--	--	--	REMOVED	--	-7.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
40	0.000	--	--	--	--	--	REMOVED	--	-7.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
41	0.000	--	--	--	--	--	REMOVED	--	-8.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
42	0.000	--	--	--	--	--	REMOVED	--	-8.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
43	0.000	--	--	--	--	--	REMOVED	--	-8.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
44	0.000	--	--	--	--	--	REMOVED	--	-8.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
45 D	14.60	9.7554E-03	2.000	73.01	167.3	85.04	PASSIVE	0.000	-8.800	0.000	1.000	1.000	73.01	0.000	0.000	Strato2_3095_82743_L_0
46 D	17.88	9.2289E-03	6.000	89.42	171.3	89.42	PASSIVE	0.000	-9.000	0.000	1.000	1.000	89.42	0.000	0.000	Strato2_3095_82743_L_0
47 D	21.17	8.7119E-03	10.000	105.8	175.3	105.8	PASSIVE	0.000	-9.200	0.000	1.000	1.000	105.8	0.000	0.000	Strato2_3095_82743_L_0
48 D	24.06	8.2056E-03	14.00	120.3	179.3	120.3	V-C	6020.	-9.400	0.000	1.000	1.000	120.3	0.000	0.000	Strato2_3095_82743_L_0
49 D	23.91	7.7114E-03	18.00	119.6	183.3	119.6	V-C	6020.	-9.600	0.000	1.000	1.000	119.6	0.000	0.000	Strato2_3095_82743_L_0
50 D	23.77	7.2303E-03	22.00	118.9	187.3	118.9	V-C	6020.	-9.800	0.000	1.000	1.000	118.9	0.000	0.000	Strato2_3095_82743_L_0
51 D	23.65	6.7632E-03	26.00	118.2	191.3	118.2	V-C	6020.	-10.00	0.000	1.000	1.000	118.2	0.000	0.000	Strato2_3095_82743_L_0
52 D	23.53	6.3109E-03	30.00	117.7	195.3	117.7	V-C	6020.	-10.20	0.000	1.000	1.000	117.7	0.000	0.000	Strato2_3095_82743_L_0
53 D	23.43	5.8740E-03	34.00	117.2	199.3	117.2	V-C	6020.	-10.40	0.000	1.000	1.000	117.2	0.000	0.000	Strato2_3095_82743_L_0
54 D	23.35	5.4530E-03	38.00	116.7	203.3	116.7	V-C	6020.	-10.60	0.000	1.000	1.000	116.7	0.000	0.000	Strato2_3095_82743_L_0
55 D	23.29	5.0484E-03	42.00	116.4	207.3	116.4	V-C	6020.	-10.80	0.000	1.000	1.000	116.4	0.000	0.000	Strato2_3095_82743_L_0
56 D	23.25	4.6602E-03	46.00	116.2	211.3	116.2	V-C	6020.	-11.00	0.000	1.000	1.000	116.2	0.000	0.000	Strato2_3095_82743_L_0
57 D	23.22	4.2886E-03	50.00	116.1	215.3	116.1	V-C	6020.	-11.20	0.000	1.000	1.000	116.1	0.000	0.000	Strato2_3095_82743_L_0
58 D	23.22	3.9336E-03	54.00	116.1	219.3	116.1	V-C	6020.	-11.40	0.000	1.000	1.000	116.1	0.000	0.000	Strato2_3095_82743_L_0
59 D	23.24	3.5950E-03	58.00	116.2	223.3	116.2	V-C	6020.	-11.60	0.000	1.000	1.000	116.2	0.000	0.000	Strato2_3095_82743_L_0
60 D	23.28	3.2726E-03	62.00	116.4	227.3	116.4	V-C	6020.	-11.80	0.000	1.000	1.000	116.4	0.000	0.000	Strato2_3095_82743_L_0
61 D	23.34	2.9658E-03	66.00	116.7	231.3	116.7	V-C	6020.	-12.00	0.000	1.000	1.000	116.7	0.000	0.000	Strato2_3095_82743_L_0
62 D	22.84	2.6742E-03	70.00	114.2	235.3	118.5	UL-RL	1.8061E+04	-12.20	0.000	1.000	1.000	114.2	0.000	0.000	Strato2_3095_82743_L_0
63 D	22.33	2.3971E-03	74.00	111.6	239.3	120.5	UL-RL	1.8061E+04	-12.40	0.000	1.000	1.000	111.6	0.000	0.000	Strato2_3095_82743_L_0
64 D	21.86	2.1338E-03	78.00	109.3	243.3	122.5	UL-RL	1.8061E+04	-12.60	0.000	1.000	1.000	109.3	0.000	0.000	Strato2_3095_82743_L_0
65 D	21.44	1.8835E-03	82.00	107.2	247.3	124.5	UL-RL	1.8061E+04	-12.80	0.000	1.000	1.000	107.2	0.000	0.000	Strato2_3095_82743_L_0
66 D	21.06	1.6452E-03	86.00	105.3	251.3	126.4	UL-RL	1.8061E+04	-13.00	0.000	1.000	1.000	105.3	0.000	0.000	Strato2_3095_82743_L_0
67 D	20.72	1.4179E-03	90.00	103.6	255.3	128.4	UL-RL	1.8061E+04	-13.20	0.000	1.000	1.000	103.6	0.000	0.000	Strato2_3095_82743_L_0
68 D	20.41	1.2005E-03	94.00	102.1	259.3	130.4	UL-RL	1.8061E+04	-13.40	0.000	1.000	1.000	102.1	0.000	0.000	Strato2_3095_82743_L_0
69 D	20.14	9.9221E-04	98.00	100.7	263.3	132.4	UL-RL	1.8061E+04	-13.60	0.000	1.000	1.000	100.7	0.000	0.000	Strato2_3095_82743_L_0
70 D	19.89	7.9179E-04	102.0	99.45	267.3	134.4	UL-RL	1.8061E+04	-13.80	0.000	1.000	1.000	99.45	0.000	0.000	Strato2_3095_82743_L_0
71 D	19.66	5.9825E-04	106.0	98.32	271.3	136.4	UL-RL	1.8061E+04	-14.00	0.000	1.000	1.000				

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98.32       0.000       0.000     Strato2_3095_82743_L_0
  72 D   19.46      4.1057E-04   110.0       97.30       275.3       138.4          UL-RL  1.8061E+04  -14.20       0.000       1.000       1.000
97.30       0.000       0.000     Strato2_3095_82743_L_0
  73 D   19.27      2.2780E-04   114.0       96.35       279.3       140.4          UL-RL  1.8061E+04  -14.40       0.000       1.000       1.000
96.35       0.000       0.000     Strato2_3095_82743_L_0
  74 D   19.09      4.9007E-05   118.0       95.47       283.3       142.4          UL-RL  1.8061E+04  -14.60       0.000       1.000       1.000
95.47       0.000       0.000     Strato2_3095_82743_L_0
  75 D   18.93     -1.2666E-04   122.0       94.64       287.3       144.5          UL-RL  1.8061E+04  -14.80       0.000       1.000       1.000
94.64       0.000       0.000     Strato2_3095_82743_L_0
  76 D   18.77     -2.9997E-04   126.0       93.84       291.3       146.5          UL-RL  1.8061E+04  -15.00       0.000       1.000       1.000
93.84       0.000       0.000     Strato2_3095_82743_L_0
  77 D   18.61     -4.7161E-04   130.0       93.06       295.3       148.5          UL-RL  1.8061E+04  -15.20       0.000       1.000       1.000
93.06       0.000       0.000     Strato2_3095_82743_L_0
  78 D   18.46     -6.4214E-04   134.0       92.30       299.3       150.5          UL-RL  1.8061E+04  -15.40       0.000       1.000       1.000
92.30       0.000       0.000     Strato2_3095_82743_L_0
  79 D   18.31     -8.1203E-04   138.0       91.54       303.3       152.5          UL-RL  1.8061E+04  -15.60       0.000       1.000       1.000
91.54       0.000       0.000     Strato2_3095_82743_L_0
  80 D   18.16     -9.8162E-04   142.0       90.78       307.3       154.5          UL-RL  1.8061E+04  -15.80       0.000       1.000       1.000
90.78       0.000       0.000     Strato2_3095_82743_L_0
  81 D   9.001     -1.1511E-03   146.0       90.01       311.3       156.5          UL-RL  1.8061E+04  -16.00       0.000       1.000       1.000
90.01       0.000       0.000     Strato2_3095_82743_L_0
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                                |
|                                  Exe Time :29 July 2019      18:01:12                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S     5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 0.48750    -0.48750     4.28030E-10 9.75000E-02
    2  1.2950     -1.2950    -9.75000E-02 0.35650
    3  2.4831     -2.4831    -0.35650     0.85313
    4  3.9953     -3.9953    -0.85313      1.6522
    5  5.8136     -5.8136     -1.6522      2.8149
    6  7.9301     -7.9301     -2.8149      4.4009
    7  10.341     -10.341     -4.4009      6.4691
    8  13.043     -13.043     -6.4691      9.0776
    9  15.970     -15.970     -9.0776      12.272
   10  19.192     -19.192     -12.272      16.110
   11  22.709     -22.709     -16.110      20.652
   12  26.519     -26.519     -20.652      25.956
   13  30.619     -30.619     -25.956      32.079
   14  35.010     -35.010     -32.079      39.081
   15  39.690     -39.690     -39.081      47.019
   16  44.622     -44.622     -47.019      55.944
   17 -87.803      87.803     -55.944      38.383
   18 -82.289      82.289     -38.383      21.925
   19 -76.486      76.486     -21.925      6.6281
   20 -70.394      70.394     -6.6281     -7.4507
   21 -64.013      64.013      7.4507     -20.253
   22 -57.345      57.345      20.253     -31.722
   23 -50.388      50.388      31.722     -41.800
   24 -43.167      43.167      41.800     -50.433
   25 -35.658      35.658      50.433     -57.565
   26 -27.860      27.860      57.565     -63.137
   27 -19.775      19.775      63.137     -67.092
   28 -11.402      11.402      67.092     -69.372
   29 -2.7411      2.7411      69.372     -69.920
   30  6.2070     -6.2070      69.920     -68.679
   31  15.424     -15.424      68.679     -65.594
   32  24.928     -24.928      65.594     -60.609
   33  34.721     -34.721      60.609     -53.664
   34  44.800     -44.800      53.664     -44.704
   35  55.167     -55.167      44.704     -33.671
   36  65.820     -65.820      33.671     -20.507
   37  76.761     -76.761      20.507     -5.1548
   38  87.989     -87.989      5.1548      12.443
   39  99.489     -99.489     -12.443      32.341
   40  111.28     -111.28     -32.341      54.596
   41  123.35     -123.35     -54.596      79.265
```

42	135.71	-135.71	-79.265	106.41
43	148.36	-148.36	-106.41	136.08
44	161.29	-161.29	-136.08	168.34
45	153.77	-153.77	-168.34	199.09
46	143.19	-143.19	-199.09	227.73
47	129.57	-129.57	-227.73	253.64
48	113.31	-113.31	-253.64	276.30
49	97.427	-97.427	-276.30	295.79
50	81.926	-81.926	-295.79	312.18
51	66.795	-66.795	-312.18	325.53
52	52.021	-52.021	-325.53	335.94
53	37.588	-37.588	-335.94	343.46
54	23.468	-23.468	-343.46	348.15
55	9.6517	-9.6517	-348.15	350.08
56	-3.8813	3.8813	-350.08	349.30
57	-17.151	17.151	-349.30	345.87
58	-30.178	30.178	-345.87	339.84
59	-42.983	42.983	-339.84	331.24
60	-55.584	55.584	-331.24	320.12
61	-68.010	68.010	-320.12	306.52
62	-79.703	79.703	-306.52	290.58
63	-89.759	89.759	-290.58	272.63
64	-97.703	97.703	-272.63	253.09
65	-103.65	103.65	-253.09	232.36
66	-107.70	107.70	-232.36	210.82
67	-109.95	109.95	-210.82	188.83
68	-110.50	110.50	-188.83	166.73
69	-109.42	109.42	-166.73	144.85
70	-106.77	106.77	-144.85	123.49
71	-102.61	102.61	-123.49	102.97
72	-96.991	96.991	-102.97	83.571
73	-89.951	89.951	-83.571	65.581
74	-81.524	81.524	-65.581	49.276
75	-71.733	71.733	-49.276	34.930
76	-60.608	60.608	-34.930	22.808
77	-48.579	48.579	-22.808	13.092
78	-35.739	35.739	-13.092	5.9447
79	-22.090	22.090	-5.9447	1.5267
80	-7.6330	7.6330	-1.5267	1.00345E-11

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:01:12

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 4

Tirante1_429 :
ELEMENT TYPE 6 NO.OF ELEMENTS. IN THIS GROUP 1
C U R R E N T T I M E I S 5.0000

POST-TENSION 2D-BOUNDARY ELEMENT

	EL	FORCE	d0	EDISPL	pl. eps	K	-ve limit	+ve limit	
ANCHOR	1	142.50	-8.47140E-04	1.75951E-02	0.0000	2633.3	0.0000	0.0000	ELASTIC ORIGINAL YOUNG MODULUS

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.A2M2R1_3514

Exe Time :29 July 2019 18:01:12

F I N A L I N C R E M E N T A L A N A L Y S I S

S U M M A R Y

STEP		NO. OF ITERATIONS
1	CONVERGENCE :YES	2
2	CONVERGENCE :YES	4
3	CONVERGENCE :YES	6
4	CONVERGENCE :YES	4
5	CONVERGENCE :YES	6

```
 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....     0.06 [sec]
DATABASE  CREATION CPU TIME.....     0.26 [sec]
```

4. PARATIA DI PALI – SEZIONE 4

4.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:lunedì 29 luglio 2019 18:02:24
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -12 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -12 0 1 0
 SOIL 0_R LeftWall_32 -12 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0

  * 6.3: Strips
 STRIP LeftWall_32 2 5 0 40 0 10 30
 STRIP LeftWall_32 2 5 0 40 0 41.8 45

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
 CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
 CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
 SETWALL LeftWall_32
 GEOM 0 0
```

```
WATER -26 0 -12 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -6.1
WATER -26 0 -12 0 0
ENDSTEP
```

4.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************
```

```
 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                    >
ACCEPTED   <FILE,PLOTTER,BINARY                                          >
ACCEPTED   <SOLVE TOTAL_STRESS                                           >
ACCEPTED   <PARAM ITEMAX 100                                             >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                >


                  ********************************************************
                  *                                                      *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED  *
                  *    BY THE PROGRAM.                                   *
                  *                                                      *
                  ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   89
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                  P R E P R O C E S S O R     D A T A

                  N O.  O F   C O M M A N D S     89

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
```

```
option param itemax 100
option control hinges 0 0.0001 0.001
WALL LeftWall_32 0 -12 0 1
SOIL 0_L LeftWall_32 -12 0 1 0
SOIL 0_R LeftWall_32 -12 0 2 180
LDATA Strato1_2_8_L_0 0 LeftWall_32
ATREST 0.53 1 1
WEIGHT 19 9 10
PERMEABILITY 1E-06
RESISTANCE 0 29
YOUNG 2E+04 6E+04
ENDL
LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL
MATERIAL Fe360_108 2.06E+08
MATERIAL C2530_104 3.148E+07
MATERIAL acciaioarmonico_124 2.001E+08
MATERIAL C2025_103 2.996E+07
BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0
WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0
STRIP LeftWall_32 2 5 0 40 0 10 30
STRIP LeftWall_32 2 5 0 40 0 41.8 45
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ADD WallElement_33
ENDSTEP
STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ENDSTEP
STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ENDSTEP
STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ADD Tirante1_429
ENDSTEP
STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -6.1
WATER -26 0 -12 0 0
```

```
   89 : ENDSTEP



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                           :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
```

10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	2	0.2000	0.000	0.000	0.000	1.000
33	33	2	0.2000	0.000	0.000	0.000	1.000
34	34	2	0.2000	0.000	0.000	0.000	1.000
35	35	2	0.2000	0.000	0.000	0.000	1.000
36	36	2	0.2000	0.000	0.000	0.000	1.000
37	37	2	0.2000	0.000	0.000	0.000	1.000
38	38	2	0.2000	0.000	0.000	0.000	1.000
39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                             :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000
```

material set no. 2

prop(1) angle 180.000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.1000	0.000	0.000	0.000	2.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                      |
|                                  Exe Time :29 July 2019      18:02:24                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
   34   34   35    1     0.000     0.000    0.6848     0.000     0.000
   35   35   36    1     0.000     0.000    0.6848     0.000     0.000
   36   36   37    1     0.000     0.000    0.6848     0.000     0.000
```

37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                              |
|                                  Exe Time :29 July 2019      18:02:24                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   13    1   0.1316E-04 93.94     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION
```

```
       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    7
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    8
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :29 July 2019      18:02:24                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000
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```
STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
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ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
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```
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.       1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.       1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                    -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

=========================================================================================================end of step    1


STEP  NO.     2
                                       LEFT WALL    RIGHT WALL
Y                                       0.000       -0.9990E+30
Z-PC                                    0.000         0.000
Z-EXCAVATION                            0.000         0.000
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                    -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.100	0.000

```
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step    5


 LEFT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                Exe Time :29 July 2019      18:02:24                                               |
+-------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          10.0000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ
```

```
 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          41.8000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3530

 NO. OF D.P.W  FOR THIS AREA       7258
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                   Exe Time :29 July 2019      18:02:24                                                |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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+-----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                         NewProject.BaseDesignSection_28.Nominal_63                        |
|                                     Exe Time :29 July 2019      18:02:24                                  |
+-----------------------------------------------------------------------------------------------------------+
```

New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	2.1221E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	2.1221E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	2.1221E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	2.1221E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	2.1221E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	2.1221E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	2.1221E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	2.1221E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	2.1221E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	2.1221E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	2.1221E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	2.1221E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	2.1221E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	2.1221E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	2.1221E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	2.1221E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	2.1221E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	2.1221E+04	-3.400	0.000	1.000	1.000	34.24	0.000	0.000	Strato1_2_8_L_0
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	2.1221E+04	-3.600	0.000	1.000	1.000	36.25	0.000	0.000	Strato1_2_8_L_0
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	2.1221E+04	-3.800	0.000	1.000	1.000	38.27	0.000	0.000	Strato1_2_8_L_0
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	2.1221E+04	-4.000	0.000	1.000	1.000	40.28	0.000	0.000	Strato1_2_8_L_0
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	2.1221E+04	-4.200	0.000	1.000	1.000	42.29	0.000	0.000	Strato1_2_8_L_0
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	2.1221E+04	-4.400	0.000	1.000	1.000	44.31	0.000	0.000	Strato1_2_8_L_0
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	2.1221E+04	-4.600	0.000	1.000	1.000	46.32	0.000	0.000	Strato1_2_8_L_0
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	2.1221E+04	-4.800	0.000	1.000	1.000	48.34	0.000	0.000	Strato1_2_8_L_0
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	2.1221E+04	-5.000	0.000	1.000	1.000	50.35	0.000	0.000	Strato1_2_8_L_0
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	2.1221E+04	-5.200	0.000	1.000	1.000	52.36	0.000	0.000	Strato1_2_8_L_0
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	2.1221E+04	-5.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	2.1221E+04	-5.600	0.000	1.000	1.000	56.39	0.000	0.000	Strato1_2_8_L_0
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	2.1221E+04	-5.800	0.000	1.000	1.000				

58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	2.1221E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	11.79	0.000	117.9	58.95	117.9	58.95	V-C	6.0031E+04	-6.200	0.000	1.000	1.000	
58.95	0.000	0.000	Strato2_3095_82743_L_0										
33 D	12.19	0.000	121.9	60.95	121.9	60.95	V-C	6.0031E+04	-6.400	0.000	1.000	1.000	
60.95	0.000	0.000	Strato2_3095_82743_L_0										
34 D	12.59	0.000	125.9	62.95	125.9	62.95	V-C	6.0031E+04	-6.600	0.000	1.000	1.000	
62.95	0.000	0.000	Strato2_3095_82743_L_0										
35 D	12.99	0.000	129.9	64.95	129.9	64.95	V-C	6.0031E+04	-6.800	0.000	1.000	1.000	
64.95	0.000	0.000	Strato2_3095_82743_L_0										
36 D	13.39	0.000	133.9	66.95	133.9	66.95	V-C	6.0031E+04	-7.000	0.000	1.000	1.000	
66.95	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.79	0.000	137.9	68.95	137.9	68.95	V-C	6.0031E+04	-7.200	0.000	1.000	1.000	
68.95	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.19	0.000	141.9	70.95	141.9	70.95	V-C	6.0031E+04	-7.400	0.000	1.000	1.000	
70.95	0.000	0.000	Strato2_3095_82743_L_0										
39 D	14.59	0.000	145.9	72.95	145.9	72.95	V-C	6.0031E+04	-7.600	0.000	1.000	1.000	
72.95	0.000	0.000	Strato2_3095_82743_L_0										
40 D	14.99	0.000	149.9	74.95	149.9	74.95	V-C	6.0031E+04	-7.800	0.000	1.000	1.000	
74.95	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.39	0.000	153.9	76.95	153.9	76.95	V-C	6.0031E+04	-8.000	0.000	1.000	1.000	
76.95	0.000	0.000	Strato2_3095_82743_L_0										
42 D	15.79	0.000	157.9	78.95	157.9	78.95	V-C	6.0031E+04	-8.200	0.000	1.000	1.000	
78.95	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.19	0.000	161.9	80.95	161.9	80.95	V-C	6.0031E+04	-8.400	0.000	1.000	1.000	
80.95	0.000	0.000	Strato2_3095_82743_L_0										
44 D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	6.0031E+04	-8.600	0.000	1.000	1.000	
82.95	0.000	0.000	Strato2_3095_82743_L_0										
45 D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	6.0031E+04	-8.800	0.000	1.000	1.000	
84.95	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	6.0031E+04	-9.000	0.000	1.000	1.000	
86.95	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.79	0.000	177.9	88.95	177.9	88.95	V-C	6.0031E+04	-9.200	0.000	1.000	1.000	
88.95	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.19	0.000	181.9	90.95	181.9	90.95	V-C	6.0031E+04	-9.400	0.000	1.000	1.000	
90.95	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.59	0.000	185.9	92.95	185.9	92.95	V-C	6.0031E+04	-9.600	0.000	1.000	1.000	
92.95	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.99	0.000	189.9	94.95	189.9	94.95	V-C	6.0031E+04	-9.800	0.000	1.000	1.000	
94.95	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.39	0.000	193.9	96.95	193.9	96.95	V-C	6.0031E+04	-10.00	0.000	1.000	1.000	
96.95	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.79	0.000	197.9	98.95	197.9	98.95	V-C	6.0031E+04	-10.20	0.000	1.000	1.000	
98.95	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.19	0.000	201.9	100.9	201.9	100.9	V-C	6.0031E+04	-10.40	0.000	1.000	1.000	
100.9	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.59	0.000	205.9	102.9	205.9	102.9	V-C	6.0031E+04	-10.60	0.000	1.000	1.000	
102.9	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.99	0.000	209.9	104.9	209.9	104.9	V-C	6.0031E+04	-10.80	0.000	1.000	1.000	
104.9	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.39	0.000	213.9	106.9	213.9	106.9	V-C	6.0031E+04	-11.00	0.000	1.000	1.000	
106.9	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.79	0.000	217.9	108.9	217.9	108.9	V-C	6.0031E+04	-11.20	0.000	1.000	1.000	
108.9	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.19	0.000	221.9	110.9	221.9	110.9	V-C	6.0031E+04	-11.40	0.000	1.000	1.000	
110.9	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.59	0.000	225.9	112.9	225.9	112.9	V-C	6.0031E+04	-11.60	0.000	1.000	1.000	
112.9	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.99	0.000	229.9	114.9	229.9	114.9	V-C	6.0031E+04	-11.80	0.000	1.000	1.000	
114.9	0.000	0.000	Strato2_3095_82743_L_0										
61 D	11.70	0.000	233.9	116.9	233.9	116.9	V-C	6.0031E+04	-12.00	0.000	1.000	1.000	
117.0	0.000	0.000	Strato2_3095_82743_L_0										

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
 |                                  Exe Time :29 July 2019      18:02:24                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4726E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4726E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4726E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4726E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4726E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4726E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4726E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.4726E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.4726E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.4726E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.4726E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.4726E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.4726E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.4726E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.4726E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.4726E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.4726E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.4726E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C  1.4726E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C  1.4726E+04  -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C  1.4726E+04  -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C  1.4726E+04  -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C  1.4726E+04  -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C  1.4726E+04  -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C  1.4726E+04  -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C  1.4726E+04  -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C  1.4726E+04  -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C  1.4726E+04  -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C  1.4726E+04  -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C  1.4726E+04  -5.800       0.000       1.000       1.000
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58.41       0.000       0.000     Strato1_2_8_L_0
  31 D  12.08       0.000       114.0       60.42       114.0       60.42       V-C  1.4726E+04  -6.000       0.000       1.000       1.000
60.42       0.000       0.000     Strato1_2_8_L_0
  32 D  11.79       0.000       117.9       58.95       117.9       58.95       V-C  3.2535E+04  -6.200       0.000       1.000       1.000
58.95       0.000       0.000     Strato2_3095_82743_L_0
  33 D  12.19       0.000       121.9       60.95       121.9       60.95       V-C  3.2535E+04  -6.400       0.000       1.000       1.000
60.95       0.000       0.000     Strato2_3095_82743_L_0
  34 D  12.59       0.000       125.9       62.95       125.9       62.95       V-C  3.2535E+04  -6.600       0.000       1.000       1.000
62.95       0.000       0.000     Strato2_3095_82743_L_0
  35 D  12.99       0.000       129.9       64.95       129.9       64.95       V-C  3.2535E+04  -6.800       0.000       1.000       1.000
64.95       0.000       0.000     Strato2_3095_82743_L_0
  36 D  13.39       0.000       133.9       66.95       133.9       66.95       V-C  3.2535E+04  -7.000       0.000       1.000       1.000
66.95       0.000       0.000     Strato2_3095_82743_L_0
  37 D  13.79       0.000       137.9       68.95       137.9       68.95       V-C  3.2535E+04  -7.200       0.000       1.000       1.000
68.95       0.000       0.000     Strato2_3095_82743_L_0
  38 D  14.19       0.000       141.9       70.95       141.9       70.95       V-C  3.2535E+04  -7.400       0.000       1.000       1.000
70.95       0.000       0.000     Strato2_3095_82743_L_0
  39 D  14.59       0.000       145.9       72.95       145.9       72.95       V-C  3.2535E+04  -7.600       0.000       1.000       1.000
72.95       0.000       0.000     Strato2_3095_82743_L_0
  40 D  14.99       0.000       149.9       74.95       149.9       74.95       V-C  3.2535E+04  -7.800       0.000       1.000       1.000
74.95       0.000       0.000     Strato2_3095_82743_L_0
  41 D  15.39       0.000       153.9       76.95       153.9       76.95       V-C  3.2535E+04  -8.000       0.000       1.000       1.000
76.95       0.000       0.000     Strato2_3095_82743_L_0
  42 D  15.79       0.000       157.9       78.95       157.9       78.95       V-C  3.2535E+04  -8.200       0.000       1.000       1.000
78.95       0.000       0.000     Strato2_3095_82743_L_0
  43 D  16.19       0.000       161.9       80.95       161.9       80.95       V-C  3.2535E+04  -8.400       0.000       1.000       1.000
80.95       0.000       0.000     Strato2_3095_82743_L_0
  44 D  16.59       0.000       165.9       82.95       165.9       82.95       V-C  3.2535E+04  -8.600       0.000       1.000       1.000
82.95       0.000       0.000     Strato2_3095_82743_L_0
  45 D  16.99       0.000       169.9       84.95       169.9       84.95       V-C  3.2535E+04  -8.800       0.000       1.000       1.000
84.95       0.000       0.000     Strato2_3095_82743_L_0
  46 D  17.39       0.000       173.9       86.95       173.9       86.95       V-C  3.2535E+04  -9.000       0.000       1.000       1.000
86.95       0.000       0.000     Strato2_3095_82743_L_0
  47 D  17.79       0.000       177.9       88.95       177.9       88.95       V-C  3.2535E+04  -9.200       0.000       1.000       1.000
88.95       0.000       0.000     Strato2_3095_82743_L_0
  48 D  18.19       0.000       181.9       90.95       181.9       90.95       V-C  3.2535E+04  -9.400       0.000       1.000       1.000
90.95       0.000       0.000     Strato2_3095_82743_L_0
  49 D  18.59       0.000       185.9       92.95       185.9       92.95       V-C  3.2535E+04  -9.600       0.000       1.000       1.000
92.95       0.000       0.000     Strato2_3095_82743_L_0
  50 D  18.99       0.000       189.9       94.95       189.9       94.95       V-C  3.2535E+04  -9.800       0.000       1.000       1.000
94.95       0.000       0.000     Strato2_3095_82743_L_0
  51 D  19.39       0.000       193.9       96.95       193.9       96.95       V-C  3.2535E+04  -10.00       0.000       1.000       1.000
96.95       0.000       0.000     Strato2_3095_82743_L_0
  52 D  19.79       0.000       197.9       98.95       197.9       98.95       V-C  3.2535E+04  -10.20       0.000       1.000       1.000
98.95       0.000       0.000     Strato2_3095_82743_L_0
  53 D  20.19       0.000       201.9       100.9       201.9       100.9       V-C  3.2535E+04  -10.40       0.000       1.000       1.000
100.9       0.000       0.000     Strato2_3095_82743_L_0
  54 D  20.59       0.000       205.9       102.9       205.9       102.9       V-C  3.2535E+04  -10.60       0.000       1.000       1.000
102.9       0.000       0.000     Strato2_3095_82743_L_0
  55 D  20.99       0.000       209.9       104.9       209.9       104.9       V-C  3.2535E+04  -10.80       0.000       1.000       1.000
104.9       0.000       0.000     Strato2_3095_82743_L_0
  56 D  21.39       0.000       213.9       106.9       213.9       106.9       V-C  3.2535E+04  -11.00       0.000       1.000       1.000
106.9       0.000       0.000     Strato2_3095_82743_L_0
  57 D  21.79       0.000       217.9       108.9       217.9       108.9       V-C  3.2535E+04  -11.20       0.000       1.000       1.000
108.9       0.000       0.000     Strato2_3095_82743_L_0
  58 D  22.19       0.000       221.9       110.9       221.9       110.9       V-C  3.2535E+04  -11.40       0.000       1.000       1.000
110.9       0.000       0.000     Strato2_3095_82743_L_0
  59 D  22.59       0.000       225.9       112.9       225.9       112.9       V-C  3.2535E+04  -11.60       0.000       1.000       1.000
112.9       0.000       0.000     Strato2_3095_82743_L_0
  60 D  22.99       0.000       229.9       114.9       229.9       114.9       V-C  3.2535E+04  -11.80       0.000       1.000       1.000
114.9       0.000       0.000     Strato2_3095_82743_L_0
  61 D  11.70       0.000       233.9       116.9       233.9       116.9       V-C  3.2535E+04  -12.00       0.000       1.000       1.000
117.0       0.000       0.000     Strato2_3095_82743_L_0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
   32  0.0000      0.0000      0.0000      0.0000
   33  0.0000      0.0000      0.0000      0.0000
   34  0.0000      0.0000      0.0000      0.0000
   35  0.0000      0.0000      0.0000      0.0000
   36  0.0000      0.0000      0.0000      0.0000
   37  0.0000      0.0000      0.0000      0.0000
   38  0.0000      0.0000      0.0000      0.0000
   39  0.0000      0.0000      0.0000      0.0000
   40  0.0000      0.0000      0.0000      0.0000
   41  0.0000      0.0000      0.0000      0.0000
   42  0.0000      0.0000      0.0000      0.0000
   43  0.0000      0.0000      0.0000      0.0000
   44  0.0000      0.0000      0.0000      0.0000
   45  0.0000      0.0000      0.0000      0.0000
   46  0.0000      0.0000      0.0000      0.0000
   47  0.0000      0.0000      0.0000      0.0000
   48  0.0000      0.0000      0.0000      0.0000
   49  0.0000      0.0000      0.0000      0.0000
   50  0.0000      0.0000      0.0000      0.0000
   51  0.0000      0.0000      0.0000      0.0000
   52  0.0000      0.0000      0.0000      0.0000
   53  0.0000      0.0000      0.0000      0.0000
   54  0.0000      0.0000      0.0000      0.0000
   55  0.0000      0.0000      0.0000      0.0000
   56  0.0000      0.0000      0.0000      0.0000
   57  0.0000      0.0000      0.0000      0.0000
   58  0.0000      0.0000      0.0000      0.0000
   59  0.0000      0.0000      0.0000      0.0000
   60  0.0000      0.0000      0.0000      0.0000
```

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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                               |
|                                  Exe Time :29 July 2019      18:02:24                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 787.7     REMNOR= 0.000     RATIO =0.1697     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.1697     RATIOR= 0.000
           MAX UN= 3.831     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 9.438     REMNOR=0.6185E-21 RATIO =0.1857E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.1857E-01 RATIOR= 0.000
           MAX UN= 1.705     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.9334E-10 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 1.231     REMNOR=0.1635E-21 RATIO =0.6708E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.6708E-02 RATIOR= 0.000
           MAX UN=0.8541     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.7552E-10 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM=0.2267E-03 REMNOR=0.1414E-21 RATIO =0.9102E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.9102E-04 RATIOR= 0.000
           MAX UN=0.1413E-01 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.1059E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :29 July 2019      18:02:24                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.3611515E-04  -6.0171801E-05
    2   4.2408328E-04  -6.0134417E-05
    3   4.1206731E-04  -6.0008036E-05
    4   4.0008710E-04  -5.9776078E-05
    5   3.8816480E-04  -5.9425300E-05
    6   3.7632575E-04  -5.8943019E-05
    7   3.6459683E-04  -5.8322300E-05
    8   3.5300624E-04  -5.7560371E-05
    9   3.4158186E-04  -5.6660667E-05
   10   3.3035052E-04  -5.5632887E-05
   11   3.1933612E-04  -5.4493989E-05
   12   3.0855882E-04  -5.3266561E-05
   13   2.9803346E-04  -5.1979558E-05
   14   2.8776864E-04  -5.0667946E-05
   15   2.7776547E-04  -4.9368578E-05
   16   2.6801820E-04  -4.8114306E-05
   17   2.5851499E-04  -4.6931332E-05
   18   2.4923963E-04  -4.5838940E-05
   19   2.4017258E-04  -4.4849135E-05
   20   2.3129283E-04  -4.3966507E-05
   21   2.2257898E-04  -4.3188740E-05
   22   2.1401097E-04  -4.2506496E-05
   23   2.0557108E-04  -4.1903821E-05
   24   1.9724565E-04  -4.1358044E-05
   25   1.8902597E-04  -4.0840721E-05
   26   1.8090975E-04  -4.0317510E-05
   27   1.7290210E-04  -3.9747817E-05
   28   1.6501687E-04  -3.9085052E-05
   29   1.5727779E-04  -3.8276691E-05
   30   1.4971983E-04  -3.7263728E-05
   31   1.4239028E-04  -3.5981017E-05
   32   1.3535016E-04  -3.4357871E-05
   33   1.2866886E-04  -3.2409287E-05
   34   1.2240174E-04  -3.0231289E-05
   35   1.1658613E-04  -2.7906486E-05
   36   1.1124426E-04  -2.5504953E-05
   37   1.0638538E-04  -2.3085344E-05
   38   1.0200814E-04  -2.0695792E-05
   39   9.8102474E-05  -1.8375090E-05
   40   9.4651468E-05  -1.6153924E-05
   41   9.1632693E-05  -1.4055922E-05
   42   8.9019751E-05  -1.2098142E-05
   43   8.6783327E-05  -1.0292004E-05
   44   8.4892405E-05  -8.6440347E-06
   45   8.3315014E-05  -7.1566688E-06
   46   8.2019109E-05  -5.8288418E-06
   47   8.0973079E-05  -4.6569881E-06
   48   8.0146290E-05  -3.6354930E-06
   49   7.9509354E-05  -2.7569128E-06
   50   7.9034593E-05  -2.0123452E-06
   51   7.8696149E-05  -1.3918111E-06
   52   7.8470314E-05  -8.8452369E-07
   53   7.8335540E-05  -4.7922709E-07
   54   7.8272611E-05  -1.6421336E-07
   55   7.8264605E-05   7.2047784E-08
   56   7.8296939E-05   2.4094505E-07
   57   7.8357252E-05   3.5388408E-07
   58   7.8435523E-05   4.2227657E-07
   59   7.8523949E-05   4.5745951E-07
   60   7.8617044E-05   4.7069423E-07
   61   7.8711511E-05   4.7311945E-07
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                          |
|                                    NewProject.BaseDesignSection_28.Nominal_63                            |
|                                Exe Time :29 July 2019      18:02:24                                      |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.575	-4.3612E-04	51.80	15.75	51.80	27.45	ACTIVE	0.000	0.000	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
2 D	2.251	-4.2408E-04	37.03	11.26	37.03	19.62	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
3 D	2.118	-4.1207E-04	34.84	10.59	34.84	18.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
4 D	2.846	-4.0009E-04	46.80	14.23	46.80	24.81	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.23	0.000	0.000	Strato1_2_8_L_0
5 D	2.830	-3.8816E-04	46.54	14.15	46.54	24.67	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.15	0.000	0.000	Strato1_2_8_L_0
6 D	3.339	-3.7633E-04	54.92	16.70	54.92	29.11	ACTIVE	0.000	-1.000	0.000	1.000	1.000	16.70	0.000	0.000	Strato1_2_8_L_0
7 D	3.390	-3.6460E-04	55.76	16.95	55.76	29.55	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.95	0.000	0.000	Strato1_2_8_L_0
8 D	3.815	-3.5301E-04	62.75	19.07	62.75	33.25	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.07	0.000	0.000	Strato1_2_8_L_0
9 D	3.864	-3.4158E-04	63.56	19.32	63.56	33.68	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.32	0.000	0.000	Strato1_2_8_L_0
10 D	4.248	-3.3035E-04	69.87	21.24	69.87	37.03	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.24	0.000	0.000	Strato1_2_8_L_0
11 D	4.367	-3.1934E-04	71.83	21.84	71.83	38.07	ACTIVE	0.000	-2.000	0.000	1.000	1.000	21.84	0.000	0.000	Strato1_2_8_L_0
12 D	4.721	-3.0856E-04	77.65	23.61	77.65	41.16	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
13 D	4.857	-2.9803E-04	79.88	24.28	79.88	42.34	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.28	0.000	0.000	Strato1_2_8_L_0
14 D	5.386	-2.8777E-04	85.38	26.93	85.38	45.25	UL-RL	6.3662E+04	-2.600	0.000	1.000	1.000	26.93	0.000	0.000	Strato1_2_8_L_0
15 D	5.771	-2.7777E-04	87.81	28.86	87.81	46.54	UL-RL	6.3662E+04	-2.800	0.000	1.000	1.000	28.86	0.000	0.000	Strato1_2_8_L_0
16 D	6.414	-2.6802E-04	92.70	32.07	92.70	49.13	UL-RL	6.3662E+04	-3.000	0.000	1.000	1.000	32.07	0.000	0.000	Strato1_2_8_L_0
17 D	6.812	-2.5851E-04	95.31	34.06	95.31	50.52	UL-RL	6.3662E+04	-3.200	0.000	1.000	1.000	34.06	0.000	0.000	Strato1_2_8_L_0
18 D	7.470	-2.4924E-04	100.4	37.35	100.4	53.22	UL-RL	6.3662E+04	-3.400	0.000	1.000	1.000	37.35	0.000	0.000	Strato1_2_8_L_0
19 D	7.876	-2.4017E-04	103.1	39.38	103.1	54.67	UL-RL	6.3662E+04	-3.600	0.000	1.000	1.000	39.38	0.000	0.000	Strato1_2_8_L_0
20 D	8.514	-2.3129E-04	108.1	42.57	108.1	57.30	UL-RL	6.3662E+04	-3.800	0.000	1.000	1.000	42.57	0.000	0.000	Strato1_2_8_L_0
21 D	8.925	-2.2258E-04	110.9	44.63	110.9	58.80	UL-RL	6.3662E+04	-4.000	0.000	1.000	1.000	44.63	0.000	0.000	Strato1_2_8_L_0
22 D	9.547	-2.1401E-04	115.8	47.74	115.8	61.36	UL-RL	6.3662E+04	-4.200	0.000	1.000	1.000	47.74	0.000	0.000	Strato1_2_8_L_0
23 D	9.964	-2.0557E-04	118.7	49.82	118.7	62.91	UL-RL	6.3662E+04	-4.400	0.000	1.000	1.000	49.82	0.000	0.000	Strato1_2_8_L_0
24 D	10.55	-1.9725E-04	123.2	52.73	123.2	65.29	UL-RL	6.3662E+04	-4.600	0.000	1.000	1.000	52.73	0.000	0.000	Strato1_2_8_L_0
25 D	10.97	-1.8903E-04	126.2	54.84	126.2	66.88	UL-RL	6.3662E+04	-4.800	0.000	1.000	1.000	54.84	0.000	0.000	Strato1_2_8_L_0
26 D	11.57	-1.8091E-04	130.9	57.84	130.9	69.36	UL-RL	6.3662E+04	-5.000	0.000	1.000	1.000	57.84	0.000	0.000	Strato1_2_8_L_0
27 D	11.99	-1.7290E-04	133.9	59.97	133.9	70.97	UL-RL	6.3662E+04	-5.200	0.000	1.000	1.000	59.97	0.000	0.000	Strato1_2_8_L_0
28 D	12.58	-1.6502E-04	138.5	62.91	138.5	73.42	UL-RL	6.3662E+04	-5.400	0.000	1.000	1.000	62.91	0.000	0.000	Strato1_2_8_L_0
29 D	13.01	-1.5728E-04	141.6	65.05	141.6	75.06	UL-RL	6.3662E+04	-5.600	0.000	1.000	1.000	65.05	0.000	0.000	Strato1_2_8_L_0
30 D	13.59	-1.4972E-04	146.2	67.94	146.2	77.47	UL-RL	6.3662E+04	-5.800	0.000	1.000	1.000				

67.94	0.000	0.000	Strato1_2_8_L_0										
31 D	13.99	-1.4239E-04	149.1	69.97	149.1	79.04	UL-RL	6.3662E+04	-6.000	0.000	1.000	1.000	
69.97	0.000	0.000	Strato1_2_8_L_0										
32 D	10.50	-1.3535E-04	153.7	52.49	153.7	76.87	UL-RL	1.8009E+05	-6.200	0.000	1.000	1.000	
52.49	0.000	0.000	Strato2_3095_82743_L_0										
33 D	11.08	-1.2867E-04	157.1	55.39	157.1	78.56	UL-RL	1.8009E+05	-6.400	0.000	1.000	1.000	
55.39	0.000	0.000	Strato2_3095_82743_L_0										
34 D	11.77	-1.2240E-04	161.8	58.85	161.8	80.89	UL-RL	1.8009E+05	-6.600	0.000	1.000	1.000	
58.85	0.000	0.000	Strato2_3095_82743_L_0										
35 D	12.32	-1.1659E-04	165.2	61.61	165.2	82.60	UL-RL	1.8009E+05	-6.800	0.000	1.000	1.000	
61.61	0.000	0.000	Strato2_3095_82743_L_0										
36 D	12.98	-1.1124E-04	169.8	64.88	169.8	84.92	UL-RL	1.8009E+05	-7.000	0.000	1.000	1.000	
64.88	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.50	-1.0639E-04	173.3	67.48	173.3	86.64	UL-RL	1.8009E+05	-7.200	0.000	1.000	1.000	
67.48	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.11	-1.0201E-04	177.9	70.56	177.9	88.94	UL-RL	1.8009E+05	-7.400	0.000	1.000	1.000	
70.56	0.000	0.000	Strato2_3095_82743_L_0										
39 D	14.59	-9.8102E-05	181.2	72.93	181.2	90.60	UL-RL	1.8009E+05	-7.600	0.000	1.000	1.000	
72.93	0.000	0.000	Strato2_3095_82743_L_0										
40 D	15.17	-9.4651E-05	185.8	75.83	185.8	92.88	UL-RL	1.8009E+05	-7.800	0.000	1.000	1.000	
75.83	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.63	-9.1633E-05	189.3	78.13	189.3	94.63	UL-RL	1.8009E+05	-8.000	0.000	1.000	1.000	
78.13	0.000	0.000	Strato2_3095_82743_L_0										
42 D	16.17	-8.9020E-05	193.8	80.87	193.8	96.90	UL-RL	1.8009E+05	-8.200	0.000	1.000	1.000	
80.87	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.61	-8.6783E-05	197.3	83.04	197.3	98.67	UL-RL	1.8009E+05	-8.400	0.000	1.000	1.000	
83.04	0.000	0.000	Strato2_3095_82743_L_0										
44 D	17.13	-8.4892E-05	201.8	85.63	201.8	100.9	UL-RL	1.8009E+05	-8.600	0.000	1.000	1.000	
85.63	0.000	0.000	Strato2_3095_82743_L_0										
45 D	17.54	-8.3315E-05	205.4	87.69	205.4	102.7	UL-RL	1.8009E+05	-8.800	0.000	1.000	1.000	
87.69	0.000	0.000	Strato2_3095_82743_L_0										
46 D	18.02	-8.2019E-05	209.7	90.10	209.7	104.9	UL-RL	1.8009E+05	-9.000	0.000	1.000	1.000	
90.10	0.000	0.000	Strato2_3095_82743_L_0										
47 D	18.41	-8.0973E-05	213.3	92.07	213.3	106.7	UL-RL	1.8009E+05	-9.200	0.000	1.000	1.000	
92.07	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.89	-8.0146E-05	217.8	94.46	217.8	108.9	UL-RL	1.8009E+05	-9.400	0.000	1.000	1.000	
94.46	0.000	0.000	Strato2_3095_82743_L_0										
49 D	19.27	-7.9509E-05	221.4	96.36	221.4	110.7	UL-RL	1.8009E+05	-9.600	0.000	1.000	1.000	
96.36	0.000	0.000	Strato2_3095_82743_L_0										
50 D	19.73	-7.9035E-05	225.8	98.67	225.8	112.9	UL-RL	1.8009E+05	-9.800	0.000	1.000	1.000	
98.67	0.000	0.000	Strato2_3095_82743_L_0										
51 D	20.11	-7.8696E-05	229.4	100.5	229.4	114.7	UL-RL	1.8009E+05	-10.00	0.000	1.000	1.000	
100.5	0.000	0.000	Strato2_3095_82743_L_0										
52 D	20.56	-7.8470E-05	233.8	102.8	233.8	116.9	UL-RL	1.8009E+05	-10.20	0.000	1.000	1.000	
102.8	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.92	-7.8336E-05	237.5	104.6	237.5	118.7	UL-RL	1.8009E+05	-10.40	0.000	1.000	1.000	
104.6	0.000	0.000	Strato2_3095_82743_L_0										
54 D	21.36	-7.8273E-05	241.8	106.8	241.8	120.9	UL-RL	1.8009E+05	-10.60	0.000	1.000	1.000	
106.8	0.000	0.000	Strato2_3095_82743_L_0										
55 D	21.72	-7.8265E-05	245.4	108.6	245.4	122.7	UL-RL	1.8009E+05	-10.80	0.000	1.000	1.000	
108.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	22.16	-7.8297E-05	249.8	110.8	249.8	124.9	UL-RL	1.8009E+05	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato2_3095_82743_L_0										
57 D	22.52	-7.8357E-05	253.4	112.6	253.4	126.7	UL-RL	1.8009E+05	-11.20	0.000	1.000	1.000	
112.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.96	-7.8436E-05	257.8	114.8	257.8	128.9	UL-RL	1.8009E+05	-11.40	0.000	1.000	1.000	
114.8	0.000	0.000	Strato2_3095_82743_L_0										
59 D	23.32	-7.8524E-05	261.5	116.6	261.5	130.7	UL-RL	1.8009E+05	-11.60	0.000	1.000	1.000	
116.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	23.75	-7.8617E-05	265.8	118.8	265.8	132.9	UL-RL	1.8009E+05	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato2_3095_82743_L_0										
61 D	12.05	-7.8712E-05	269.4	120.5	269.4	134.7	UL-RL	1.8009E+05	-12.00	0.000	1.000	1.000	
120.5	0.000	0.000	Strato2_3095_82743_L_0										

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+----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                      |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                   Exe Time :29 July 2019      18:02:24                                              |
+----------------------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	4.3612E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.652	4.2408E-04	3.800	8.259	3.800	8.259	V-C	1.4726E+04	-0.2000	0.000	1.000	1.000	8.259	0.000	0.000	Strato1_2_8_L_0
3 D	2.019	4.1207E-04	7.600	10.10	7.600	10.10	V-C	1.4726E+04	-0.4000	0.000	1.000	1.000	10.10	0.000	0.000	Strato1_2_8_L_0
4 D	2.387	4.0009E-04	11.40	11.93	11.40	11.93	V-C	1.4726E+04	-0.6000	0.000	1.000	1.000	11.93	0.000	0.000	Strato1_2_8_L_0
5 D	2.754	3.8816E-04	15.20	13.77	15.20	13.77	V-C	1.4726E+04	-0.8000	0.000	1.000	1.000	13.77	0.000	0.000	Strato1_2_8_L_0
6 D	3.122	3.7633E-04	19.00	15.61	19.00	15.61	V-C	1.4726E+04	-1.000	0.000	1.000	1.000	15.61	0.000	0.000	Strato1_2_8_L_0
7 D	3.491	3.6460E-04	22.80	17.45	22.80	17.45	V-C	1.4726E+04	-1.200	0.000	1.000	1.000	17.45	0.000	0.000	Strato1_2_8_L_0
8 D	3.859	3.5301E-04	26.60	19.30	26.60	19.30	V-C	1.4726E+04	-1.400	0.000	1.000	1.000	19.30	0.000	0.000	Strato1_2_8_L_0
9 D	4.228	3.4158E-04	30.40	21.14	30.40	21.14	V-C	1.4726E+04	-1.600	0.000	1.000	1.000	21.14	0.000	0.000	Strato1_2_8_L_0
10 D	4.598	3.3035E-04	34.20	22.99	34.20	22.99	V-C	1.4726E+04	-1.800	0.000	1.000	1.000	22.99	0.000	0.000	Strato1_2_8_L_0
11 D	4.969	3.1934E-04	38.00	24.84	38.00	24.84	V-C	1.4726E+04	-2.000	0.000	1.000	1.000	24.84	0.000	0.000	Strato1_2_8_L_0
12 D	5.340	3.0856E-04	41.80	26.70	41.80	26.70	V-C	1.4726E+04	-2.200	0.000	1.000	1.000	26.70	0.000	0.000	Strato1_2_8_L_0
13 D	5.711	2.9803E-04	45.60	28.56	45.60	28.56	V-C	1.4726E+04	-2.400	0.000	1.000	1.000	28.56	0.000	0.000	Strato1_2_8_L_0
14 D	6.084	2.8777E-04	49.40	30.42	49.40	30.42	V-C	1.4726E+04	-2.600	0.000	1.000	1.000	30.42	0.000	0.000	Strato1_2_8_L_0
15 D	6.457	2.7777E-04	53.20	32.29	53.20	32.29	V-C	1.4726E+04	-2.800	0.000	1.000	1.000	32.29	0.000	0.000	Strato1_2_8_L_0
16 D	6.831	2.6802E-04	57.00	34.16	57.00	34.16	V-C	1.4726E+04	-3.000	0.000	1.000	1.000	34.16	0.000	0.000	Strato1_2_8_L_0
17 D	7.206	2.5851E-04	60.80	36.03	60.80	36.03	V-C	1.4726E+04	-3.200	0.000	1.000	1.000	36.03	0.000	0.000	Strato1_2_8_L_0
18 D	7.582	2.4924E-04	64.60	37.91	64.60	37.91	V-C	1.4726E+04	-3.400	0.000	1.000	1.000	37.91	0.000	0.000	Strato1_2_8_L_0
19 D	7.958	2.4017E-04	68.40	39.79	68.40	39.79	V-C	1.4726E+04	-3.600	0.000	1.000	1.000	39.79	0.000	0.000	Strato1_2_8_L_0
20 D	8.334	2.3129E-04	72.20	41.67	72.20	41.67	V-C	1.4726E+04	-3.800	0.000	1.000	1.000	41.67	0.000	0.000	Strato1_2_8_L_0
21 D	8.712	2.2258E-04	76.00	43.56	76.00	43.56	V-C	1.4726E+04	-4.000	0.000	1.000	1.000	43.56	0.000	0.000	Strato1_2_8_L_0
22 D	9.089	2.1401E-04	79.80	45.45	79.80	45.45	V-C	1.4726E+04	-4.200	0.000	1.000	1.000	45.45	0.000	0.000	Strato1_2_8_L_0
23 D	9.467	2.0557E-04	83.60	47.34	83.60	47.34	V-C	1.4726E+04	-4.400	0.000	1.000	1.000	47.34	0.000	0.000	Strato1_2_8_L_0
24 D	9.845	1.9725E-04	87.40	49.23	87.40	49.23	V-C	1.4726E+04	-4.600	0.000	1.000	1.000	49.23	0.000	0.000	Strato1_2_8_L_0
25 D	10.22	1.8903E-04	91.20	51.12	91.20	51.12	V-C	1.4726E+04	-4.800	0.000	1.000	1.000	51.12	0.000	0.000	Strato1_2_8_L_0
26 D	10.60	1.8091E-04	95.00	53.01	95.00	53.01	V-C	1.4726E+04	-5.000	0.000	1.000	1.000	53.01	0.000	0.000	Strato1_2_8_L_0
27 D	10.98	1.7290E-04	98.80	54.91	98.80	54.91	V-C	1.4726E+04	-5.200	0.000	1.000	1.000	54.91	0.000	0.000	Strato1_2_8_L_0
28 D	11.36	1.6502E-04	102.6	56.81	102.6	56.81	V-C	1.4726E+04	-5.400	0.000	1.000	1.000	56.81	0.000	0.000	Strato1_2_8_L_0
29 D	11.74	1.5728E-04	106.4	58.70	106.4	58.71	UL-RL	4.4178E+04	-5.600	0.000	1.000	1.000	58.70	0.000	0.000	Strato1_2_8_L_0
30 D	12.11	1.4972E-04	110.2	60.57	110.2	60.63	UL-RL	4.4178E+04	-5.800	0.000	1.000	1.000				

60.57	0.000	0.000	Strato1_2_8_L_0									
31 D	12.49	1.4239E-04	114.0	62.45	114.0	62.55	UL-RL	4.4178E+04	-6.000	0.000	1.000	1.000
62.45	0.000	0.000	Strato1_2_8_L_0									
32 D	12.63	1.3535E-04	117.9	63.17	117.9	63.44	UL-RL	9.7606E+04	-6.200	0.000	1.000	1.000
63.17	0.000	0.000	Strato2_3095_82743_L_0									
33 D	12.99	1.2867E-04	121.9	64.93	121.9	65.24	UL-RL	9.7606E+04	-6.400	0.000	1.000	1.000
64.93	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.34	1.2240E-04	125.9	66.71	125.9	67.04	UL-RL	9.7606E+04	-6.600	0.000	1.000	1.000
66.71	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.70	1.1659E-04	129.9	68.51	129.9	68.86	UL-RL	9.7606E+04	-6.800	0.000	1.000	1.000
68.51	0.000	0.000	Strato2_3095_82743_L_0									
36 D	14.07	1.1124E-04	133.9	70.33	133.9	70.69	UL-RL	9.7606E+04	-7.000	0.000	1.000	1.000
70.33	0.000	0.000	Strato2_3095_82743_L_0									
37 D	14.44	1.0639E-04	137.9	72.18	137.9	72.53	UL-RL	9.7606E+04	-7.200	0.000	1.000	1.000
72.18	0.000	0.000	Strato2_3095_82743_L_0									
38 D	14.81	1.0201E-04	141.9	74.04	141.9	74.38	UL-RL	9.7606E+04	-7.400	0.000	1.000	1.000
74.04	0.000	0.000	Strato2_3095_82743_L_0									
39 D	15.18	9.8102E-05	145.9	75.92	145.9	76.25	UL-RL	9.7606E+04	-7.600	0.000	1.000	1.000
75.92	0.000	0.000	Strato2_3095_82743_L_0									
40 D	15.56	9.4651E-05	149.9	77.82	149.9	78.13	UL-RL	9.7606E+04	-7.800	0.000	1.000	1.000
77.82	0.000	0.000	Strato2_3095_82743_L_0									
41 D	15.95	9.1633E-05	153.9	79.74	153.9	80.03	UL-RL	9.7606E+04	-8.000	0.000	1.000	1.000
79.74	0.000	0.000	Strato2_3095_82743_L_0									
42 D	16.33	8.9020E-05	157.9	81.67	157.9	81.94	UL-RL	9.7606E+04	-8.200	0.000	1.000	1.000
81.67	0.000	0.000	Strato2_3095_82743_L_0									
43 D	16.72	8.6783E-05	161.9	83.61	161.9	83.85	UL-RL	9.7606E+04	-8.400	0.000	1.000	1.000
83.61	0.000	0.000	Strato2_3095_82743_L_0									
44 D	17.11	8.4892E-05	165.9	85.57	165.9	85.78	UL-RL	9.7606E+04	-8.600	0.000	1.000	1.000
85.57	0.000	0.000	Strato2_3095_82743_L_0									
45 D	17.51	8.3315E-05	169.9	87.53	169.9	87.73	UL-RL	9.7606E+04	-8.800	0.000	1.000	1.000
87.53	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.90	8.2019E-05	173.9	89.51	173.9	89.68	UL-RL	9.7606E+04	-9.000	0.000	1.000	1.000
89.51	0.000	0.000	Strato2_3095_82743_L_0									
47 D	18.30	8.0973E-05	177.9	91.49	177.9	91.63	UL-RL	9.7606E+04	-9.200	0.000	1.000	1.000
91.49	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.69	8.0146E-05	181.9	93.47	181.9	93.60	UL-RL	9.7606E+04	-9.400	0.000	1.000	1.000
93.47	0.000	0.000	Strato2_3095_82743_L_0									
49 D	19.09	7.9509E-05	185.9	95.47	185.9	95.57	UL-RL	9.7606E+04	-9.600	0.000	1.000	1.000
95.47	0.000	0.000	Strato2_3095_82743_L_0									
50 D	19.49	7.9035E-05	189.9	97.47	189.9	97.55	UL-RL	9.7606E+04	-9.800	0.000	1.000	1.000
97.47	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.89	7.8696E-05	193.9	99.47	193.9	99.53	UL-RL	9.7606E+04	-10.00	0.000	1.000	1.000
99.47	0.000	0.000	Strato2_3095_82743_L_0									
52 D	20.29	7.8470E-05	197.9	101.5	197.9	101.5	UL-RL	9.7606E+04	-10.20	0.000	1.000	1.000
101.5	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.70	7.8336E-05	201.9	103.5	201.9	103.5	UL-RL	9.7606E+04	-10.40	0.000	1.000	1.000
103.5	0.000	0.000	Strato2_3095_82743_L_0									
54 D	21.10	7.8273E-05	205.9	105.5	205.9	105.5	UL-RL	9.7606E+04	-10.60	0.000	1.000	1.000
105.5	0.000	0.000	Strato2_3095_82743_L_0									
55 D	21.50	7.8265E-05	209.9	107.5	209.9	107.5	V-C	3.2535E+04	-10.80	0.000	1.000	1.000
107.5	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.90	7.8297E-05	213.9	109.5	213.9	109.5	V-C	3.2535E+04	-11.00	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
57 D	22.30	7.8357E-05	217.9	111.5	217.9	111.5	V-C	3.2535E+04	-11.20	0.000	1.000	1.000
111.5	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.70	7.8436E-05	221.9	113.5	221.9	113.5	UL-RL	9.7606E+04	-11.40	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
59 D	23.10	7.8524E-05	225.9	115.5	225.9	115.5	UL-RL	9.7606E+04	-11.60	0.000	1.000	1.000
115.5	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.50	7.8617E-05	229.9	117.5	229.9	117.5	UL-RL	9.7606E+04	-11.80	0.000	1.000	1.000
117.5	0.000	0.000	Strato2_3095_82743_L_0									
61 D	11.95	7.8712E-05	233.9	119.5	233.9	119.5	UL-RL	9.7606E+04	-12.00	0.000	1.000	1.000
119.5	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-----------------------------------------------------
    1  1.5747     -1.5747    -2.07478E-12 0.31494
    2  2.1741     -2.1741    -0.31494     0.74976
    3  2.2731     -2.2731    -0.74976      1.2044
    4  2.7320     -2.7320     -1.2044      1.7508
    5  2.8072     -2.8072     -1.7508      2.3122
    6  3.0242     -3.0242     -2.3122      2.9171
    7  2.9239     -2.9239     -2.9171      3.5018
    8  2.8795     -2.8795     -3.5018      4.0777
    9  2.5153     -2.5153     -4.0777      4.5808
   10  2.1653     -2.1653     -4.5808      5.0139
   11  1.5639     -1.5639     -5.0139      5.3266
   12 0.94557    -0.94557     -5.3266      5.5157
   13 9.10382E-02-9.10382E-02 -5.5157      5.5339
   14-0.60680     0.60680     -5.5339      5.4126
   15 -1.2927      1.2927     -5.4126      5.1540
   16 -1.7105      1.7105     -5.1540      4.8119
   17 -2.1050      2.1050     -4.8119      4.3909
   18 -2.2162      2.2162     -4.3909      3.9477
   19 -2.2984      2.2984     -3.9477      3.4880
   20 -2.1186      2.1186     -3.4880      3.0643
   21 -1.9050      1.9050     -3.0643      2.6833
   22 -1.4467      1.4467     -2.6833      2.3940
   23-0.95005     0.95005     -2.3940      2.2039
   24-0.24844     0.24844     -2.2039      2.1543
   25 0.49643    -0.49643     -2.1543      2.2535
   26  1.4616     -1.4616     -2.2535      2.5459
   27  2.4587     -2.4587     -2.5459      3.0376
   28  3.6742     -3.6742     -3.0376      3.7724
   29  4.9442     -4.9442     -3.7724      4.7613
   30  6.4182     -6.4182     -4.7613      6.0449
   31  7.9222     -7.9222     -6.0449      7.6294
   32  5.7858     -5.7858     -7.6294      8.7865
   33  3.8777     -3.8777     -8.7865      9.5621
   34  2.3061     -2.3061     -9.5621      10.023
   35 0.92595    -0.92595     -10.023      10.208
   36-0.16402     0.16402     -10.208      10.176
   37 -1.1026      1.1026     -10.176      9.9551
   38 -1.7975      1.7975     -9.9551      9.5956
   39 -2.3953      2.3953     -9.5956      9.1166
   40 -2.7927      2.7927     -9.1166      8.5581
   41 -3.1138      3.1138     -8.5581      7.9353
   42 -3.2737      3.2737     -7.9353      7.2805
   43 -3.3887      3.3887     -7.2805      6.6028
   44 -3.3760      3.3760     -6.6028      5.9276
   45 -3.3445      3.3445     -5.9276      5.2587
   46 -3.2255      3.2255     -5.2587      4.6136
   47 -3.1080      3.1080     -4.6136      3.9920
   48 -2.9119      2.9119     -3.9920      3.4096
   49 -2.7329      2.7329     -3.4096      2.8630
   50 -2.4919      2.4919     -2.8630      2.3647
   51 -2.2788      2.2788     -2.3647      1.9089
   52 -2.0160      2.0160     -1.9089      1.5057
   53 -1.7879      1.7879     -1.5057      1.1481
   54 -1.5293      1.5293     -1.1481     0.84226
   55 -1.3082      1.3082    -0.84226     0.58062
   56 -1.0489      1.0489    -0.58062     0.37084
   57-0.82753     0.82753    -0.37084     0.20533
   58-0.57134     0.57134    -0.20533     9.10657E-02
   59-0.35318     0.35318    -9.10657E-02 2.04303E-02
   60-0.10215     0.10215    -2.04303E-02 7.22755E-14
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:02:24                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 564.3     REMNOR=0.1414E-21 RATIO =0.1644     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1644     RATIOR= 0.000
           MAX UN= 6.457     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.5436E-10 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 224.3     REMNOR=0.6370E-19 RATIO =0.1036     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1036     RATIOR= 0.000
           MAX UN= 7.542     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.1057E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 28.87     REMNOR=0.5980E-19 RATIO =0.3719E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.3719E-01 RATIOR= 0.000
           MAX UN= 3.701     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1951E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM=0.7112     REMNOR=0.2280E-19 RATIO =0.5837E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.5837E-02 RATIOR= 0.000
           MAX UN=0.7996     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.1434E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM=0.5718E-17 REMNOR=0.2415E-19 RATIO =0.1655E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1655E-10 RATIOR= 0.000
           MAX UN=0.1056E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.6797E-09 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   6.6899239E-03  -1.1249299E-03
    2   6.4649404E-03  -1.1248925E-03
    3   6.2399754E-03  -1.1247269E-03
    4   6.0150651E-03  -1.1243294E-03
    5   5.7902670E-03  -1.1235821E-03
    6   5.5656646E-03  -1.1223502E-03
    7   5.3413690E-03  -1.1204874E-03
    8   5.1175223E-03  -1.1178338E-03
    9   4.8942996E-03  -1.1142185E-03
   10   4.6719112E-03  -1.1094590E-03
   11   4.4506051E-03  -1.1033629E-03
   12   4.2306688E-03  -1.0957256E-03
   13   4.0124320E-03  -1.0863312E-03
   14   3.7962686E-03  -1.0749526E-03
   15   3.5825991E-03  -1.0613510E-03
   16   3.3718931E-03  -1.0452765E-03
   17   3.1646683E-03  -1.0265051E-03
   18   2.9614792E-03  -1.0049111E-03
   19   2.7628914E-03  -9.8050373E-04
   20   2.5694557E-03  -9.5342658E-04
   21   2.3816844E-03  -9.2389542E-04
   22   2.2000465E-03  -8.9212890E-04
   23   2.0249675E-03  -8.5834229E-04
   24   1.8568301E-03  -8.2274780E-04
   25   1.6959749E-03  -7.8555542E-04
   26   1.5427006E-03  -7.4697326E-04
   27   1.3972652E-03  -7.0720795E-04
   28   1.2598834E-03  -6.6646415E-04
   29   1.1307312E-03  -6.2494638E-04
   30   1.0099429E-03  -5.8285859E-04
   31   8.9761238E-04  -5.4040095E-04
   32   7.9379574E-04  -4.9775227E-04
   33   6.9850349E-04  -4.5523125E-04
   34   6.1166300E-04  -4.1331373E-04
   35   5.3310741E-04  -3.7245493E-04
   36   4.6258372E-04  -3.3305580E-04
   37   3.9976630E-04  -2.9544316E-04
   38   3.4427089E-04  -2.5986881E-04
   39   2.9567062E-04  -2.2651688E-04
   40   2.5350770E-04  -1.9551151E-04
   41   2.1730477E-04  -1.6692479E-04
   42   1.8657475E-04  -1.4078353E-04
   43   1.6082911E-04  -1.1707594E-04
   44   1.3958510E-04  -9.5757583E-05
   45   1.2237164E-04  -7.6757052E-05
   46   1.0873410E-04  -5.9980481E-05
   47   9.8238582E-05  -4.5316873E-05
   48   9.0474798E-05  -3.2641545E-05
   49   8.5058421E-05  -2.1819370E-05
   50   8.1633030E-05  -1.2707723E-05
   51   7.9871165E-05  -5.1588524E-06
   52   7.9475344E-05   9.7790104E-07
   53   8.0178204E-05   5.8537124E-06
   54   8.1742878E-05   9.6206719E-06
   55   8.3962514E-05   1.2428251E-05
   56   8.6660036E-05   1.4423697E-05
   57   8.9687475E-05   1.5751383E-05
   58   9.2925478E-05   1.6552404E-05
   59   9.6282491E-05   1.6964236E-05
   60   9.9694140E-05   1.7120583E-05
   61   1.0312252E-04   1.7151253E-05
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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
 |                                  Exe Time :29 July 2019      18:02:25                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.575     -6.6899E-03   51.80       15.75       51.80       27.45          ACTIVE   0.000       0.000       0.000       1.000       1.000
15.75       0.000       0.000     Strato1_2_8_L_0
   2 D   2.251     -6.4649E-03   37.03       11.26       37.03       19.62          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
11.26       0.000       0.000     Strato1_2_8_L_0
   3 D   2.118     -6.2400E-03   34.84       10.59       34.84       18.47          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
10.59       0.000       0.000     Strato1_2_8_L_0
   4 D   2.846     -6.0151E-03   46.80       14.23       46.80       24.81          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
14.23       0.000       0.000     Strato1_2_8_L_0
   5 D   2.830     -5.7903E-03   46.54       14.15       46.54       24.67          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
14.15       0.000       0.000     Strato1_2_8_L_0
   6 D   3.339     -5.5657E-03   54.92       16.70       54.92       29.11          ACTIVE   0.000      -1.000       0.000       1.000       1.000
16.70       0.000       0.000     Strato1_2_8_L_0
   7 D   3.390     -5.3414E-03   55.76       16.95       55.76       29.55          ACTIVE   0.000      -1.200       0.000       1.000       1.000
16.95       0.000       0.000     Strato1_2_8_L_0
   8 D   3.815     -5.1175E-03   62.75       19.07       62.75       33.25          ACTIVE   0.000      -1.400       0.000       1.000       1.000
19.07       0.000       0.000     Strato1_2_8_L_0
   9 D   3.864     -4.8943E-03   63.56       19.32       63.56       33.68          ACTIVE   0.000      -1.600       0.000       1.000       1.000
19.32       0.000       0.000     Strato1_2_8_L_0
  10 D   4.248     -4.6719E-03   69.87       21.24       69.87       37.03          ACTIVE   0.000      -1.800       0.000       1.000       1.000
21.24       0.000       0.000     Strato1_2_8_L_0
  11 D   4.367     -4.4506E-03   71.83       21.84       71.83       38.07          ACTIVE   0.000      -2.000       0.000       1.000       1.000
21.84       0.000       0.000     Strato1_2_8_L_0
  12 D   4.721     -4.2307E-03   77.65       23.61       77.65       41.16          ACTIVE   0.000      -2.200       0.000       1.000       1.000
23.61       0.000       0.000     Strato1_2_8_L_0
  13 D   4.857     -4.0124E-03   79.88       24.28       79.88       42.34          ACTIVE   0.000      -2.400       0.000       1.000       1.000
24.28       0.000       0.000     Strato1_2_8_L_0
  14 D   5.191     -3.7963E-03   85.38       25.96       85.38       45.25          ACTIVE   0.000      -2.600       0.000       1.000       1.000
25.96       0.000       0.000     Strato1_2_8_L_0
  15 D   5.339     -3.5826E-03   87.81       26.69       87.81       46.54          ACTIVE   0.000      -2.800       0.000       1.000       1.000
26.69       0.000       0.000     Strato1_2_8_L_0
  16 D   5.636     -3.3719E-03   92.70       28.18       92.70       49.13          ACTIVE   0.000      -3.000       0.000       1.000       1.000
28.18       0.000       0.000     Strato1_2_8_L_0
  17 D   5.795     -3.1647E-03   95.31       28.98       95.31       50.52          ACTIVE   0.000      -3.200       0.000       1.000       1.000
28.98       0.000       0.000     Strato1_2_8_L_0
  18 D   6.105     -2.9615E-03   100.4       30.53       100.4       53.22          ACTIVE   0.000      -3.400       0.000       1.000       1.000
30.53       0.000       0.000     Strato1_2_8_L_0
  19 D   6.271     -2.7629E-03   103.1       31.36       103.1       54.67          ACTIVE   0.000      -3.600       0.000       1.000       1.000
31.36       0.000       0.000     Strato1_2_8_L_0
  20 D   6.573     -2.5695E-03   108.1       32.86       108.1       57.30          ACTIVE   0.000      -3.800       0.000       1.000       1.000
32.86       0.000       0.000     Strato1_2_8_L_0
  21 D   6.745     -2.3817E-03   110.9       33.72       110.9       58.80          ACTIVE   0.000      -4.000       0.000       1.000       1.000
33.72       0.000       0.000     Strato1_2_8_L_0
  22 D   7.039     -2.2000E-03   115.8       35.20       115.8       61.36          ACTIVE   0.000      -4.200       0.000       1.000       1.000
35.20       0.000       0.000     Strato1_2_8_L_0
  23 D   7.216     -2.0250E-03   118.7       36.08       118.7       62.91          ACTIVE   0.000      -4.400       0.000       1.000       1.000
36.08       0.000       0.000     Strato1_2_8_L_0
  24 D   7.490     -1.8568E-03   123.2       37.45       123.2       65.29          ACTIVE   0.000      -4.600       0.000       1.000       1.000
37.45       0.000       0.000     Strato1_2_8_L_0
  25 D   7.672     -1.6960E-03   126.2       38.36       126.2       66.88          ACTIVE   0.000      -4.800       0.000       1.000       1.000
38.36       0.000       0.000     Strato1_2_8_L_0
  26 D   7.956     -1.5427E-03   130.9       39.78       130.9       69.36          ACTIVE   0.000      -5.000       0.000       1.000       1.000
39.78       0.000       0.000     Strato1_2_8_L_0
  27 D   8.142     -1.3973E-03   133.9       40.71       133.9       70.97          ACTIVE   0.000      -5.200       0.000       1.000       1.000
40.71       0.000       0.000     Strato1_2_8_L_0
  28 D   8.422     -1.2599E-03   138.5       42.11       138.5       73.42          ACTIVE   0.000      -5.400       0.000       1.000       1.000
42.11       0.000       0.000     Strato1_2_8_L_0
  29 D   8.611     -1.1307E-03   141.6       43.05       141.6       75.06          ACTIVE   0.000      -5.600       0.000       1.000       1.000
43.05       0.000       0.000     Strato1_2_8_L_0
  30 D   9.056     -1.0099E-03   146.2       45.28       146.2       77.47           UL-RL  2.6343E+04  -5.800       0.000       1.000       1.000
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45.28       0.000       0.000     Strato1_2_8_L_0
  31 D   10.02     -8.9761E-04  149.1       50.08       149.1       79.04          UL-RL  2.6343E+04  -6.000       0.000       1.000       1.000
50.08       0.000       0.000     Strato1_2_8_L_0
  32 D   3.347     -7.9380E-04  153.7       16.74       153.7       76.87          ACTIVE   0.000      -6.200       0.000       1.000       1.000
16.74       0.000       0.000     Strato2_3095_82743_L_0
  33 D   3.507     -6.9850E-04  157.1       17.53       157.1       78.56          ACTIVE   0.000      -6.400       0.000       1.000       1.000
17.53       0.000       0.000     Strato2_3095_82743_L_0
  34 D   4.478     -6.1166E-04  161.8       22.39       161.8       80.89          UL-RL  7.4521E+04  -6.600       0.000       1.000       1.000
22.39       0.000       0.000     Strato2_3095_82743_L_0
  35 D   6.114     -5.3311E-04  165.2       30.57       165.2       82.60          UL-RL  7.4521E+04  -6.800       0.000       1.000       1.000
30.57       0.000       0.000     Strato2_3095_82743_L_0
  36 D   7.740     -4.6258E-04  169.8       38.70       169.8       84.92          UL-RL  7.4521E+04  -7.000       0.000       1.000       1.000
38.70       0.000       0.000     Strato2_3095_82743_L_0
  37 D   9.124     -3.9977E-04  173.3       45.62       173.3       86.64          UL-RL  7.4521E+04  -7.200       0.000       1.000       1.000
45.62       0.000       0.000     Strato2_3095_82743_L_0
  38 D   10.50     -3.4427E-04  177.9       52.51       177.9       88.94          UL-RL  7.4521E+04  -7.400       0.000       1.000       1.000
52.51       0.000       0.000     Strato2_3095_82743_L_0
  39 D   11.64     -2.9567E-04  181.2       58.21       181.2       90.60          UL-RL  7.4521E+04  -7.600       0.000       1.000       1.000
58.21       0.000       0.000     Strato2_3095_82743_L_0
  40 D   12.80     -2.5351E-04  185.8       64.00       185.8       92.88          UL-RL  7.4521E+04  -7.800       0.000       1.000       1.000
64.00       0.000       0.000     Strato2_3095_82743_L_0
  41 D   13.75     -2.1730E-04  189.3       68.77       189.3       94.63          UL-RL  7.4521E+04  -8.000       0.000       1.000       1.000
68.77       0.000       0.000     Strato2_3095_82743_L_0
  42 D   14.72     -1.8657E-04  193.8       73.60       193.8       96.90          UL-RL  7.4521E+04  -8.200       0.000       1.000       1.000
73.60       0.000       0.000     Strato2_3095_82743_L_0
  43 D   15.50     -1.6083E-04  197.3       77.52       197.3       98.67          UL-RL  7.4521E+04  -8.400       0.000       1.000       1.000
77.52       0.000       0.000     Strato2_3095_82743_L_0
  44 D   16.31     -1.3959E-04  201.8       81.55       201.8       100.9          UL-RL  7.4521E+04  -8.600       0.000       1.000       1.000
81.55       0.000       0.000     Strato2_3095_82743_L_0
  45 D   16.96     -1.2237E-04  205.4       84.78       205.4       102.7          UL-RL  7.4521E+04  -8.800       0.000       1.000       1.000
84.78       0.000       0.000     Strato2_3095_82743_L_0
  46 D   17.62     -1.0873E-04  209.7       88.11       209.7       104.9          UL-RL  7.4521E+04  -9.000       0.000       1.000       1.000
88.11       0.000       0.000     Strato2_3095_82743_L_0
  47 D   18.16     -9.8239E-05  213.3       90.79       213.3       106.7          UL-RL  7.4521E+04  -9.200       0.000       1.000       1.000
90.79       0.000       0.000     Strato2_3095_82743_L_0
  48 D   18.74     -9.0475E-05  217.8       93.69       217.8       108.9          UL-RL  7.4521E+04  -9.400       0.000       1.000       1.000
93.69       0.000       0.000     Strato2_3095_82743_L_0
  49 D   19.19     -8.5058E-05  221.4       95.95       221.4       110.7          UL-RL  7.4521E+04  -9.600       0.000       1.000       1.000
95.95       0.000       0.000     Strato2_3095_82743_L_0
  50 D   19.70     -8.1633E-05  225.8       98.48       225.8       112.9          UL-RL  7.4521E+04  -9.800       0.000       1.000       1.000
98.48       0.000       0.000     Strato2_3095_82743_L_0
  51 D   20.09     -7.9871E-05  229.4       100.4       229.4       114.7          UL-RL  7.4521E+04  -10.00       0.000       1.000       1.000
100.4       0.000       0.000     Strato2_3095_82743_L_0
  52 D   20.54     -7.9475E-05  233.8       102.7       233.8       116.9          UL-RL  7.4521E+04  -10.20       0.000       1.000       1.000
102.7       0.000       0.000     Strato2_3095_82743_L_0
  53 D   20.90     -8.0178E-05  237.5       104.5       237.5       118.7          UL-RL  7.4521E+04  -10.40       0.000       1.000       1.000
104.5       0.000       0.000     Strato2_3095_82743_L_0
  54 D   21.31     -8.1743E-05  241.8       106.5       241.8       120.9          UL-RL  7.4521E+04  -10.60       0.000       1.000       1.000
106.5       0.000       0.000     Strato2_3095_82743_L_0
  55 D   21.64     -8.3963E-05  245.4       108.2       245.4       122.7          UL-RL  7.4521E+04  -10.80       0.000       1.000       1.000
108.2       0.000       0.000     Strato2_3095_82743_L_0
  56 D   22.03     -8.6660E-05  249.8       110.2       249.8       124.9          UL-RL  7.4521E+04  -11.00       0.000       1.000       1.000
110.2       0.000       0.000     Strato2_3095_82743_L_0
  57 D   22.35     -8.9687E-05  253.4       111.8       253.4       126.7          UL-RL  7.4521E+04  -11.20       0.000       1.000       1.000
111.8       0.000       0.000     Strato2_3095_82743_L_0
  58 D   22.74     -9.2925E-05  257.8       113.7       257.8       128.9          UL-RL  7.4521E+04  -11.40       0.000       1.000       1.000
113.7       0.000       0.000     Strato2_3095_82743_L_0
  59 D   23.05     -9.6282E-05  261.5       115.3       261.5       130.7          UL-RL  7.4521E+04  -11.60       0.000       1.000       1.000
115.3       0.000       0.000     Strato2_3095_82743_L_0
  60 D   23.44     -9.9694E-05  265.8       117.2       265.8       132.9          UL-RL  7.4521E+04  -11.80       0.000       1.000       1.000
117.2       0.000       0.000     Strato2_3095_82743_L_0
  61 D   11.87     -1.0312E-04  269.4       118.7       269.4       134.7          UL-RL  7.4521E+04  -12.00       0.000       1.000       1.000
118.7       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                                         |
 |                                   Exe Time :29 July 2019      18:02:25                                                                    |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
```

EL * Peq	FORCE Su_a	DISPL-Y Su_p	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16 D	1.536	3.3719E-03	1.900	7.678	57.00	34.16	PASSIVE	0.000	-3.000	0.000	1.000	1.000
7.678	0.000	0.000	Strato1_2_8_L_0									
17 D	4.607	3.1647E-03	5.700	23.03	60.80	36.03	PASSIVE	0.000	-3.200	0.000	1.000	1.000
23.03	0.000	0.000	Strato1_2_8_L_0									
18 D	7.678	2.9615E-03	9.500	38.39	64.60	38.39	PASSIVE	0.000	-3.400	0.000	1.000	1.000
38.39	0.000	0.000	Strato1_2_8_L_0									
19 D	10.75	2.7629E-03	13.30	53.75	68.40	53.75	PASSIVE	0.000	-3.600	0.000	1.000	1.000
53.75	0.000	0.000	Strato1_2_8_L_0									
20 D	11.18	2.5695E-03	17.10	55.92	72.20	55.92	V-C	6094.	-3.800	0.000	1.000	1.000
55.92	0.000	0.000	Strato1_2_8_L_0									
21 D	11.34	2.3817E-03	20.90	56.71	76.00	56.71	V-C	6094.	-4.000	0.000	1.000	1.000
56.71	0.000	0.000	Strato1_2_8_L_0									
22 D	11.51	2.2000E-03	24.70	57.55	79.80	57.55	V-C	6094.	-4.200	0.000	1.000	1.000
57.55	0.000	0.000	Strato1_2_8_L_0									
23 D	11.68	2.0250E-03	28.50	58.42	83.60	58.42	V-C	6094.	-4.400	0.000	1.000	1.000
58.42	0.000	0.000	Strato1_2_8_L_0									
24 D	11.87	1.8568E-03	32.30	59.34	87.40	59.34	V-C	6094.	-4.600	0.000	1.000	1.000
59.34	0.000	0.000	Strato1_2_8_L_0									
25 D	12.06	1.6960E-03	36.10	60.30	91.20	60.30	V-C	6094.	-4.800	0.000	1.000	1.000
60.30	0.000	0.000	Strato1_2_8_L_0									
26 D	12.26	1.5427E-03	39.90	61.31	95.00	61.31	V-C	6094.	-5.000	0.000	1.000	1.000
61.31	0.000	0.000	Strato1_2_8_L_0									
27 D	12.47	1.3973E-03	43.70	62.37	98.80	62.37	V-C	6094.	-5.200	0.000	1.000	1.000
62.37	0.000	0.000	Strato1_2_8_L_0									
28 D	12.70	1.2599E-03	47.50	63.48	102.6	63.48	V-C	6094.	-5.400	0.000	1.000	1.000
63.48	0.000	0.000	Strato1_2_8_L_0									
29 D	12.93	1.1307E-03	51.30	64.64	106.4	64.64	V-C	6094.	-5.600	0.000	1.000	1.000
64.64	0.000	0.000	Strato1_2_8_L_0									
30 D	13.17	1.0099E-03	55.10	65.85	110.2	65.85	V-C	6094.	-5.800	0.000	1.000	1.000
65.85	0.000	0.000	Strato1_2_8_L_0									
31 D	13.42	8.9761E-04	58.90	67.12	114.0	67.12	V-C	6094.	-6.000	0.000	1.000	1.000
67.12	0.000	0.000	Strato1_2_8_L_0									
32 D	13.38	7.9380E-04	62.80	66.91	117.9	66.91	V-C	1.3463E+04	-6.200	0.000	1.000	1.000
66.91	0.000	0.000	Strato2_3095_82743_L_0									
33 D	13.51	6.9850E-04	66.80	67.53	121.9	67.53	V-C	1.3463E+04	-6.400	0.000	1.000	1.000
67.53	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.65	6.1166E-04	70.80	68.27	125.9	68.27	V-C	1.3463E+04	-6.600	0.000	1.000	1.000
68.27	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.83	5.3311E-04	74.80	69.13	129.9	69.13	V-C	1.3463E+04	-6.800	0.000	1.000	1.000
69.13	0.000	0.000	Strato2_3095_82743_L_0									
36 D	13.79	4.6258E-04	78.80	68.93	133.9	70.69	UL-RL	4.0389E+04	-7.000	0.000	1.000	1.000
68.93	0.000	0.000	Strato2_3095_82743_L_0									
37 D	13.70	3.9977E-04	82.80	68.50	137.9	72.53	UL-RL	4.0389E+04	-7.200	0.000	1.000	1.000
68.50	0.000	0.000	Strato2_3095_82743_L_0									
38 D	13.67	3.4427E-04	86.80	68.36	141.9	74.38	UL-RL	4.0389E+04	-7.400	0.000	1.000	1.000
68.36	0.000	0.000	Strato2_3095_82743_L_0									
39 D	13.70	2.9567E-04	90.80	68.50	145.9	76.25	UL-RL	4.0389E+04	-7.600	0.000	1.000	1.000
68.50	0.000	0.000	Strato2_3095_82743_L_0									
40 D	13.78	2.5351E-04	94.80	68.89	149.9	78.13	UL-RL	4.0389E+04	-7.800	0.000	1.000	1.000
68.89	0.000	0.000	Strato2_3095_82743_L_0									

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  41 D   13.90      2.1730E-04   98.80        69.52        153.9        80.03            UL-RL  4.0389E+04  -8.000        0.000        1.000        1.000
69.52        0.000        0.000    Strato2_3095_82743_L_0
  42 D   14.07      1.8657E-04   102.8        70.36        157.9        81.94            UL-RL  4.0389E+04  -8.200        0.000        1.000        1.000
70.36        0.000        0.000    Strato2_3095_82743_L_0
  43 D   14.28      1.6083E-04   106.8        71.40        161.9        83.85            UL-RL  4.0389E+04  -8.400        0.000        1.000        1.000
71.40        0.000        0.000    Strato2_3095_82743_L_0
  44 D   14.52      1.3959E-04   110.8        72.61        165.9        85.78            UL-RL  4.0389E+04  -8.600        0.000        1.000        1.000
72.61        0.000        0.000    Strato2_3095_82743_L_0
  45 D   14.80      1.2237E-04   114.8        73.99        169.9        87.73            UL-RL  4.0389E+04  -8.800        0.000        1.000        1.000
73.99        0.000        0.000    Strato2_3095_82743_L_0
  46 D   15.10      1.0873E-04   118.8        75.50        173.9        89.68            UL-RL  4.0389E+04  -9.000        0.000        1.000        1.000
75.50        0.000        0.000    Strato2_3095_82743_L_0
  47 D   15.43      9.8239E-05   122.8        77.14        177.9        91.63            UL-RL  4.0389E+04  -9.200        0.000        1.000        1.000
77.14        0.000        0.000    Strato2_3095_82743_L_0
  48 D   15.78      9.0475E-05   126.8        78.88        181.9        93.60            UL-RL  4.0389E+04  -9.400        0.000        1.000        1.000
78.88        0.000        0.000    Strato2_3095_82743_L_0
  49 D   16.14      8.5058E-05   130.8        80.71        185.9        95.57            UL-RL  4.0389E+04  -9.600        0.000        1.000        1.000
80.71        0.000        0.000    Strato2_3095_82743_L_0
  50 D   16.52      8.1633E-05   134.8        82.62        189.9        97.55            UL-RL  4.0389E+04  -9.800        0.000        1.000        1.000
82.62        0.000        0.000    Strato2_3095_82743_L_0
  51 D   16.92      7.9871E-05   138.8        84.59        193.9        99.53            UL-RL  4.0389E+04  -10.00        0.000        1.000        1.000
84.59        0.000        0.000    Strato2_3095_82743_L_0
  52 D   17.32      7.9475E-05   142.8        86.62        197.9        101.5            UL-RL  4.0389E+04  -10.20        0.000        1.000        1.000
86.62        0.000        0.000    Strato2_3095_82743_L_0
  53 D   17.74      8.0178E-05   146.8        88.69        201.9        103.5            UL-RL  4.0389E+04  -10.40        0.000        1.000        1.000
88.69        0.000        0.000    Strato2_3095_82743_L_0
  54 D   18.16      8.1743E-05   150.8        90.79        205.9        105.5            UL-RL  4.0389E+04  -10.60        0.000        1.000        1.000
90.79        0.000        0.000    Strato2_3095_82743_L_0
  55 D   18.58      8.3963E-05   154.8        92.90        209.9        107.5            UL-RL  4.0389E+04  -10.80        0.000        1.000        1.000
92.90        0.000        0.000    Strato2_3095_82743_L_0
  56 D   19.01      8.6660E-05   158.8        95.04        213.9        109.5            UL-RL  4.0389E+04  -11.00        0.000        1.000        1.000
95.04        0.000        0.000    Strato2_3095_82743_L_0
  57 D   19.44      8.9687E-05   162.8        97.18        217.9        111.5            UL-RL  4.0389E+04  -11.20        0.000        1.000        1.000
97.18        0.000        0.000    Strato2_3095_82743_L_0
  58 D   19.87      9.2925E-05   166.8        99.33        221.9        113.5            UL-RL  4.0389E+04  -11.40        0.000        1.000        1.000
99.33        0.000        0.000    Strato2_3095_82743_L_0
  59 D   20.30      9.6282E-05   170.8        101.5        225.9        115.5            UL-RL  4.0389E+04  -11.60        0.000        1.000        1.000
101.5        0.000        0.000    Strato2_3095_82743_L_0
  60 D   20.73      9.9694E-05   174.8        103.6        229.9        117.5            UL-RL  4.0389E+04  -11.80        0.000        1.000        1.000
103.6        0.000        0.000    Strato2_3095_82743_L_0
  61 D   10.58      1.0312E-04   178.8        105.8        233.9        119.5            UL-RL  4.0389E+04  -12.00        0.000        1.000        1.000
105.8        0.000        0.000    Strato2_3095_82743_L_0
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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                            |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                    Exe Time :29 July 2019      18:02:25                                                    |
+----------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                    :
ELEMENT TYPE     2 NO.OF ELEMENTS. IN THIS GROUP    60
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT
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EL	TA	TB	MA	MB
1	1.5747	-1.5747	5.70353E-11	0.31494
2	3.8259	-3.8259	-0.31494	1.0801
3	5.9441	-5.9441	-1.0801	2.2689
4	8.7898	-8.7898	-2.2689	4.0269
5	11.619	-11.619	-4.0269	6.3508
6	14.959	-14.959	-6.3508	9.3425
7	18.349	-18.349	-9.3425	13.012
8	22.164	-22.164	-13.012	17.445
9	26.028	-26.028	-17.445	22.651
10	30.276	-30.276	-22.651	28.706
11	34.643	-34.643	-28.706	35.635
12	39.365	-39.365	-35.635	43.508
13	44.222	-44.222	-43.508	52.352
14	49.413	-49.413	-52.352	62.235
15	54.752	-54.752	-62.235	73.185
16	58.852	-58.852	-73.185	84.955
17	60.040	-60.040	-84.955	96.963
18	58.468	-58.468	-96.963	108.66
19	53.990	-53.990	-108.66	119.45
20	49.379	-49.379	-119.45	129.33

21	44.781	-44.781	-129.33	138.29
22	40.310	-40.310	-138.29	146.35
23	35.842	-35.842	-146.35	153.52
24	31.465	-31.465	-153.52	159.81
25	27.076	-27.076	-159.81	165.23
26	22.770	-22.770	-165.23	169.78
27	18.438	-18.438	-169.78	173.47
28	14.164	-14.164	-173.47	176.30
29	9.8467	-9.8467	-176.30	178.27
30	5.7321	-5.7321	-178.27	179.42
31	2.3240	-2.3240	-179.42	179.88
32	-7.7105	7.7105	-179.88	178.34
33	-17.710	17.710	-178.34	174.80
34	-26.886	26.886	-174.80	169.42
35	-34.599	34.599	-169.42	162.50
36	-40.645	40.645	-162.50	154.37
37	-45.222	45.222	-154.37	145.33
38	-48.392	48.392	-145.33	135.65
39	-50.450	50.450	-135.65	125.56
40	-51.430	51.430	-125.56	115.27
41	-51.580	51.580	-115.27	104.96
42	-50.932	50.932	-104.96	94.769
43	-49.708	49.708	-94.769	84.828
44	-47.921	47.921	-84.828	75.243
45	-45.763	45.763	-75.243	66.091
46	-43.241	43.241	-66.091	57.443
47	-40.511	40.511	-57.443	49.341
48	-37.549	37.549	-49.341	41.831
49	-34.501	34.501	-41.831	34.931
50	-31.329	31.329	-34.931	28.665
51	-28.158	28.158	-28.665	23.033
52	-24.939	24.939	-23.033	18.045
53	-21.780	21.780	-18.045	13.689
54	-18.632	18.632	-13.689	9.9631
55	-15.577	15.577	-9.9631	6.8476
56	-12.550	12.550	-6.8476	4.3375
57	-9.6340	9.6340	-4.3375	2.4107
58	-6.7596	6.7596	-2.4107	1.0588
59	-4.0021	4.0021	-1.0588	0.25836
60	-1.2917	1.2917	-0.25836	4.23994E-13

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM= 8234.     REMNOR=0.2415E-19 RATIO =0.2188     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.2188     RATIOR= 0.000
           MAX UN=0.1056E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM= 7.076     REMNOR=0.2471E-19 RATIO =0.6415E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.6415E-02 RATIOR= 0.000
```

```
           MAX UN=0.1053E-08 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-1.392     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM=0.1179     REMNOR=0.4187E-19 RATIO =0.8281E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.8281E-03 RATIOR= 0.000
           MAX UN=0.9759E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.3370     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM=0.9106E-17 REMNOR=0.2291E-19 RATIO =0.7277E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.7277E-11 RATIOR= 0.000
           MAX UN=0.1244E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.9754E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                             |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                             |
|                                 Exe Time :29 July 2019      18:02:25                                                        |
+-----------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.7401910E-03  -1.0144992E-03
    2   5.5372962E-03  -1.0144234E-03
    3   5.3344397E-03  -1.0140777E-03
    4   5.1316986E-03  -1.0132304E-03
    5   4.9291977E-03  -1.0116306E-03
    6   4.7271148E-03  -1.0090042E-03
    7   4.5256838E-03  -1.0050611E-03
    8   4.3251986E-03  -9.9949364E-04
    9   4.1260161E-03  -9.9197877E-04
   10   3.9285595E-03  -9.8217882E-04
   11   3.7333204E-03  -9.6974272E-04
   12   3.5408626E-03  -9.5430369E-04
   13   3.3518245E-03  -9.3548035E-04
   14   3.1667787E-03  -9.1503256E-04
   15   2.9858028E-03  -8.9471459E-04
   16   2.8089111E-03  -8.7412306E-04
   17   2.6361987E-03  -8.5285510E-04
   18   2.4678370E-03  -8.3056906E-04
   19   2.3040528E-03  -8.0705751E-04
   20   2.1450996E-03  -7.8226227E-04
   21   1.9912315E-03  -7.5621199E-04
   22   1.8426954E-03  -7.2895265E-04
   23   1.6997273E-03  -7.0054112E-04
   24   1.5625512E-03  -6.7104494E-04
   25   1.4313764E-03  -6.4054288E-04
   26   1.3063951E-03  -6.0912462E-04
   27   1.1877815E-03  -5.7689062E-04
   28   1.0756865E-03  -5.4395116E-04
   29   9.7023998E-04  -5.1042732E-04
   30   8.7154583E-04  -4.7645001E-04
   31   7.7968109E-04  -4.4215609E-04
   32   6.9469663E-04  -4.0767000E-04
   33   6.1661035E-04  -3.7323148E-04
   34   5.4537573E-04  -3.3921757E-04
   35   4.8087005E-04  -3.0600265E-04
   36   4.2289898E-04  -2.7392301E-04
   37   3.7120698E-04  -2.4325526E-04
   38   3.2548871E-04  -2.1421406E-04
```

39	2.8540236E-04	-1.8695767E-04
40	2.5057943E-04	-1.6159437E-04
41	2.2063408E-04	-1.3818905E-04
42	1.9517148E-04	-1.1676876E-04
43	1.7379460E-04	-9.7328196E-05
44	1.5611039E-04	-7.9834689E-05
45	1.4173468E-04	-6.4232910E-05
46	1.3029614E-04	-5.0448606E-05
47	1.2143998E-04	-3.8393090E-05
48	1.1483033E-04	-2.7966102E-05
49	1.1015225E-04	-1.9058463E-05
50	1.0711338E-04	-1.1554519E-05
51	1.0544489E-04	-5.3341275E-06
52	1.0490234E-04	-2.7450006E-07
53	1.0526589E-04	3.7478041E-06
54	1.0634059E-04	6.8571992E-06
55	1.0795607E-04	9.1760968E-06
56	1.0996638E-04	1.0825232E-05
57	1.1224942E-04	1.1923173E-05
58	1.1470664E-04	1.2585987E-05
59	1.1726236E-04	1.2926959E-05
60	1.1986332E-04	1.3056461E-05
61	1.2247813E-04	1.3081849E-05

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

NewProject.BaseDesignSection_28.Nominal_63

Exe Time :29 July 2019 18:02:25

New Project

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T T I M E I S 4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	3.189	-5.7402E-03	51.80	31.89	51.80	31.89	V-C	8781.	0.000	0.000	1.000	1.000	31.89	0.000	0.000	Strato1_2_8_L_0
2 D	4.996	-5.5373E-03	37.03	24.98	37.03	24.98	V-C	8781.	-0.2000	0.000	1.000	1.000	24.98	0.000	0.000	Strato1_2_8_L_0
3 D	4.758	-5.3344E-03	34.84	23.79	34.84	23.79	V-C	8781.	-0.4000	0.000	1.000	1.000	23.79	0.000	0.000	Strato1_2_8_L_0
4 D	5.807	-5.1317E-03	46.80	29.04	46.80	29.04	V-C	8781.	-0.6000	0.000	1.000	1.000	29.04	0.000	0.000	Strato1_2_8_L_0
5 D	5.744	-4.9292E-03	46.54	28.72	46.54	28.72	V-C	8781.	-0.8000	0.000	1.000	1.000	28.72	0.000	0.000	Strato1_2_8_L_0
6 D	6.467	-4.7271E-03	54.92	32.34	54.92	32.34	V-C	8781.	-1.000	0.000	1.000	1.000	32.34	0.000	0.000	Strato1_2_8_L_0
7 D	6.503	-4.5257E-03	55.76	32.52	55.76	32.52	V-C	8781.	-1.200	0.000	1.000	1.000	32.52	0.000	0.000	Strato1_2_8_L_0
8 D	7.097	-4.3252E-03	62.75	35.49	62.75	35.49	V-C	8781.	-1.400	0.000	1.000	1.000	35.49	0.000	0.000	Strato1_2_8_L_0
9 D	7.129	-4.1260E-03	63.56	35.64	63.56	35.64	V-C	8781.	-1.600	0.000	1.000	1.000	35.64	0.000	0.000	Strato1_2_8_L_0
10 D	7.659	-3.9286E-03	69.87	38.29	69.87	38.29	V-C	8781.	-1.800	0.000	1.000	1.000	38.29	0.000	0.000	Strato1_2_8_L_0
11 D	7.791	-3.7333E-03	71.83	38.96	71.83	38.96	V-C	8781.	-2.000	0.000	1.000	1.000	38.96	0.000	0.000	Strato1_2_8_L_0
12 D	8.273	-3.5409E-03	77.65	41.36	77.65	41.36	V-C	8781.	-2.200	0.000	1.000	1.000	41.36	0.000	0.000	Strato1_2_8_L_0
13 D	8.337	-3.3518E-03	79.88	41.69	79.88	42.34	UL-RL	2.6343E+04	-2.400	0.000	1.000	1.000	41.69	0.000	0.000	Strato1_2_8_L_0
14 D	8.508	-3.1668E-03	85.38	42.54	85.38	45.25	UL-RL	2.6343E+04	-2.600	0.000	1.000	1.000	42.54	0.000	0.000	Strato1_2_8_L_0
15 D	8.483	-2.9858E-03	87.81	42.42	87.81	46.54	UL-RL	2.6343E+04	-2.800	0.000	1.000	1.000	42.42	0.000	0.000	Strato1_2_8_L_0
16 D	8.602	-2.8089E-03	92.70	43.01	92.70	49.13	UL-RL	2.6343E+04	-3.000	0.000	1.000	1.000	43.01	0.000	0.000	Strato1_2_8_L_0
17 D	8.579	-2.6362E-03	95.31	42.90	95.31	50.52	UL-RL	2.6343E+04	-3.200	0.000	1.000	1.000	42.90	0.000	0.000	Strato1_2_8_L_0
18 D	8.706	-2.4678E-03	100.4	43.53	100.4	53.22	UL-RL	2.6343E+04	-3.400	0.000	1.000	1.000				

43.53	0.000	0.000	Strato1_2_8_L_0										
19 D	8.689	-2.3041E-03	103.1	43.44	103.1	54.67	UL-RL	2.6343E+04	-3.600	0.000	1.000	1.000	
43.44	0.000	0.000	Strato1_2_8_L_0										
20 D	8.809	-2.1451E-03	108.1	44.04	108.1	57.30	UL-RL	2.6343E+04	-3.800	0.000	1.000	1.000	
44.04	0.000	0.000	Strato1_2_8_L_0										
21 D	8.802	-1.9912E-03	110.9	44.01	110.9	58.80	UL-RL	2.6343E+04	-4.000	0.000	1.000	1.000	
44.01	0.000	0.000	Strato1_2_8_L_0										
22 D	8.922	-1.8427E-03	115.8	44.61	115.8	61.36	UL-RL	2.6343E+04	-4.200	0.000	1.000	1.000	
44.61	0.000	0.000	Strato1_2_8_L_0										
23 D	8.930	-1.6997E-03	118.7	44.65	118.7	62.91	UL-RL	2.6343E+04	-4.400	0.000	1.000	1.000	
44.65	0.000	0.000	Strato1_2_8_L_0										
24 D	9.041	-1.5626E-03	123.2	45.20	123.2	65.29	UL-RL	2.6343E+04	-4.600	0.000	1.000	1.000	
45.20	0.000	0.000	Strato1_2_8_L_0										
25 D	9.066	-1.4314E-03	126.2	45.33	126.2	66.88	UL-RL	2.6343E+04	-4.800	0.000	1.000	1.000	
45.33	0.000	0.000	Strato1_2_8_L_0										
26 D	9.201	-1.3064E-03	130.9	46.01	130.9	69.36	UL-RL	2.6343E+04	-5.000	0.000	1.000	1.000	
46.01	0.000	0.000	Strato1_2_8_L_0										
27 D	9.246	-1.1878E-03	133.9	46.23	133.9	70.97	UL-RL	2.6343E+04	-5.200	0.000	1.000	1.000	
46.23	0.000	0.000	Strato1_2_8_L_0										
28 D	9.393	-1.0757E-03	138.5	46.96	138.5	73.42	UL-RL	2.6343E+04	-5.400	0.000	1.000	1.000	
46.96	0.000	0.000	Strato1_2_8_L_0										
29 D	9.456	-9.7024E-04	141.6	47.28	141.6	75.06	UL-RL	2.6343E+04	-5.600	0.000	1.000	1.000	
47.28	0.000	0.000	Strato1_2_8_L_0										
30 D	9.785	-8.7155E-04	146.2	48.93	146.2	77.47	UL-RL	2.6343E+04	-5.800	0.000	1.000	1.000	
48.93	0.000	0.000	Strato1_2_8_L_0										
31 D	10.64	-7.7968E-04	149.1	53.18	149.1	79.04	UL-RL	2.6343E+04	-6.000	0.000	1.000	1.000	
53.18	0.000	0.000	Strato1_2_8_L_0										
32 D	4.824	-6.9470E-04	153.7	24.12	153.7	76.87	UL-RL	7.4521E+04	-6.200	0.000	1.000	1.000	
24.12	0.000	0.000	Strato2_3095_82743_L_0										
33 D	4.727	-6.1661E-04	157.1	23.64	157.1	78.56	UL-RL	7.4521E+04	-6.400	0.000	1.000	1.000	
23.64	0.000	0.000	Strato2_3095_82743_L_0										
34 D	5.466	-5.4538E-04	161.8	27.33	161.8	80.89	UL-RL	7.4521E+04	-6.600	0.000	1.000	1.000	
27.33	0.000	0.000	Strato2_3095_82743_L_0										
35 D	6.892	-4.8087E-04	165.2	34.46	165.2	82.60	UL-RL	7.4521E+04	-6.800	0.000	1.000	1.000	
34.46	0.000	0.000	Strato2_3095_82743_L_0										
36 D	8.331	-4.2290E-04	169.8	41.66	169.8	84.92	UL-RL	7.4521E+04	-7.000	0.000	1.000	1.000	
41.66	0.000	0.000	Strato2_3095_82743_L_0										
37 D	9.550	-3.7121E-04	173.3	47.75	173.3	86.64	UL-RL	7.4521E+04	-7.200	0.000	1.000	1.000	
47.75	0.000	0.000	Strato2_3095_82743_L_0										
38 D	10.78	-3.2549E-04	177.9	53.91	177.9	88.94	UL-RL	7.4521E+04	-7.400	0.000	1.000	1.000	
53.91	0.000	0.000	Strato2_3095_82743_L_0										
39 D	11.80	-2.8540E-04	181.2	58.98	181.2	90.60	UL-RL	7.4521E+04	-7.600	0.000	1.000	1.000	
58.98	0.000	0.000	Strato2_3095_82743_L_0										
40 D	12.84	-2.5058E-04	185.8	64.21	185.8	92.88	UL-RL	7.4521E+04	-7.800	0.000	1.000	1.000	
64.21	0.000	0.000	Strato2_3095_82743_L_0										
41 D	13.70	-2.2063E-04	189.3	68.52	189.3	94.63	UL-RL	7.4521E+04	-8.000	0.000	1.000	1.000	
68.52	0.000	0.000	Strato2_3095_82743_L_0										
42 D	14.59	-1.9517E-04	193.8	72.96	193.8	96.90	UL-RL	7.4521E+04	-8.200	0.000	1.000	1.000	
72.96	0.000	0.000	Strato2_3095_82743_L_0										
43 D	15.31	-1.7379E-04	197.3	76.55	197.3	98.67	UL-RL	7.4521E+04	-8.400	0.000	1.000	1.000	
76.55	0.000	0.000	Strato2_3095_82743_L_0										
44 D	16.06	-1.5611E-04	201.8	80.32	201.8	100.9	UL-RL	7.4521E+04	-8.600	0.000	1.000	1.000	
80.32	0.000	0.000	Strato2_3095_82743_L_0										
45 D	16.67	-1.4173E-04	205.4	83.34	205.4	102.7	UL-RL	7.4521E+04	-8.800	0.000	1.000	1.000	
83.34	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.30	-1.3030E-04	209.7	86.50	209.7	104.9	UL-RL	7.4521E+04	-9.000	0.000	1.000	1.000	
86.50	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.81	-1.2144E-04	213.3	89.06	213.3	106.7	UL-RL	7.4521E+04	-9.200	0.000	1.000	1.000	
89.06	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.37	-1.1483E-04	217.8	91.87	217.8	108.9	UL-RL	7.4521E+04	-9.400	0.000	1.000	1.000	
91.87	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.82	-1.1015E-04	221.4	94.08	221.4	110.7	UL-RL	7.4521E+04	-9.600	0.000	1.000	1.000	
94.08	0.000	0.000	Strato2_3095_82743_L_0										
50 D	19.32	-1.0711E-04	225.8	96.58	225.8	112.9	UL-RL	7.4521E+04	-9.800	0.000	1.000	1.000	
96.58	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.71	-1.0544E-04	229.4	98.54	229.4	114.7	UL-RL	7.4521E+04	-10.00	0.000	1.000	1.000	
98.54	0.000	0.000	Strato2_3095_82743_L_0										
52 D	20.16	-1.0490E-04	233.8	100.8	233.8	116.9	UL-RL	7.4521E+04	-10.20	0.000	1.000	1.000	
100.8	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.52	-1.0527E-04	237.5	102.6	237.5	118.7	UL-RL	7.4521E+04	-10.40	0.000	1.000	1.000	
102.6	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.94	-1.0634E-04	241.8	104.7	241.8	120.9	UL-RL	7.4521E+04	-10.60	0.000	1.000	1.000	
104.7	0.000	0.000	Strato2_3095_82743_L_0										
55 D	21.28	-1.0796E-04	245.4	106.4	245.4	122.7	UL-RL	7.4521E+04	-10.80	0.000	1.000	1.000	
106.4	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.69	-1.0997E-04	249.8	108.4	249.8	124.9	UL-RL	7.4521E+04	-11.00	0.000	1.000	1.000	
108.4	0.000	0.000	Strato2_3095_82743_L_0										
57 D	22.02	-1.1225E-04	253.4	110.1	253.4	126.7	UL-RL	7.4521E+04	-11.20	0.000	1.000	1.000	
110.1	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.42	-1.1471E-04	257.8	112.1	257.8	128.9	UL-RL	7.4521E+04	-11.40	0.000	1.000	1.000	
112.1	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.74	-1.1726E-04	261.5	113.7	261.5	130.7	UL-RL	7.4521E+04	-11.60	0.000	1.000	1.000	
113.7	0.000	0.000	Strato2_3095_82743_L_0										
60 D	23.14	-1.1986E-04	265.8	115.7	265.8	132.9	UL-RL	7.4521E+04	-11.80	0.000	1.000	1.000	
115.7	0.000	0.000	Strato2_3095_82743_L_0										

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  61 D   11.73     -1.2248E-04   269.4       117.3       269.4       134.7          UL-RL  7.4521E+04  -12.00       0.000        1.000        1.000
117.3       0.000       0.000     Strato2_3095_82743_L_0



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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.Nominal_63                                             |
 |                                    Exe Time :29 July 2019      18:02:25                                                       |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --       -0.2000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --       -0.4000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --       -0.6000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --       -0.8000      0.000        1.000        1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000        1.000        1.000
0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000        1.000        1.000
0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000        1.000        1.000
0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000        1.000        1.000
0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000        1.000        1.000
0.000       0.000       0.000     not available
  16 D   0.1155      2.8089E-03   1.900       0.5776      57.00       34.16          ACTIVE   0.000      -3.000       0.000        1.000        1.000
0.5776      0.000       0.000     Strato1_2_8_L_0
  17 D   2.675       2.6362E-03   5.700       13.37       60.80       36.03          UL-RL  1.8281E+04  -3.200       0.000        1.000        1.000
13.37       0.000       0.000     Strato1_2_8_L_0
  18 D   5.873       2.4678E-03   9.500       29.37       64.60       38.39          UL-RL  1.8281E+04  -3.400       0.000        1.000        1.000
29.37       0.000       0.000     Strato1_2_8_L_0
  19 D   9.071       2.3041E-03   13.30       45.36       68.40       53.75          UL-RL  1.8281E+04  -3.600       0.000        1.000        1.000
45.36       0.000       0.000     Strato1_2_8_L_0
  20 D   9.632       2.1451E-03   17.10       48.16       72.20       55.92          UL-RL  1.8281E+04  -3.800       0.000        1.000        1.000
48.16       0.000       0.000     Strato1_2_8_L_0
  21 D   9.915       1.9912E-03   20.90       49.58       76.00       56.71          UL-RL  1.8281E+04  -4.000       0.000        1.000        1.000
49.58       0.000       0.000     Strato1_2_8_L_0
  22 D   10.20       1.8427E-03   24.70       51.01       79.80       57.55          UL-RL  1.8281E+04  -4.200       0.000        1.000        1.000
51.01       0.000       0.000     Strato1_2_8_L_0
  23 D   10.50       1.6997E-03   28.50       52.48       83.60       58.42          UL-RL  1.8281E+04  -4.400       0.000        1.000        1.000
52.48       0.000       0.000     Strato1_2_8_L_0
  24 D   10.79       1.5626E-03   32.30       53.96       87.40       59.34          UL-RL  1.8281E+04  -4.600       0.000        1.000        1.000
53.96       0.000       0.000     Strato1_2_8_L_0
  25 D   11.09       1.4314E-03   36.10       55.47       91.20       60.30          UL-RL  1.8281E+04  -4.800       0.000        1.000        1.000
55.47       0.000       0.000     Strato1_2_8_L_0
  26 D   11.40       1.3064E-03   39.90       56.99       95.00       61.31          UL-RL  1.8281E+04  -5.000       0.000        1.000        1.000
56.99       0.000       0.000     Strato1_2_8_L_0
  27 D   11.71       1.1878E-03   43.70       58.54       98.80       62.37          UL-RL  1.8281E+04  -5.200       0.000        1.000        1.000
58.54       0.000       0.000     Strato1_2_8_L_0
  28 D   12.02       1.0757E-03   47.50       60.11       102.6       63.48          UL-RL  1.8281E+04  -5.400       0.000        1.000        1.000
60.11       0.000       0.000     Strato1_2_8_L_0
```

29 D	12.34	9.7024E-04	51.30	61.71	106.4	64.64	UL-RL	1.8281E+04	-5.600	0.000	1.000	1.000	61.71	0.000	0.000	Strato1_2_8_L_0
30 D	12.66	8.7155E-04	55.10	63.32	110.2	65.85	UL-RL	1.8281E+04	-5.800	0.000	1.000	1.000	63.32	0.000	0.000	Strato1_2_8_L_0
31 D	12.99	7.7968E-04	58.90	64.96	114.0	67.12	UL-RL	1.8281E+04	-6.000	0.000	1.000	1.000	64.96	0.000	0.000	Strato1_2_8_L_0
32 D	12.58	6.9470E-04	62.80	62.91	117.9	66.91	UL-RL	4.0389E+04	-6.200	0.000	1.000	1.000	62.91	0.000	0.000	Strato2_3095_82743_L_0
33 D	12.84	6.1661E-04	66.80	64.22	121.9	67.53	UL-RL	4.0389E+04	-6.400	0.000	1.000	1.000	64.22	0.000	0.000	Strato2_3095_82743_L_0
34 D	13.12	5.4538E-04	70.80	65.59	125.9	68.27	UL-RL	4.0389E+04	-6.600	0.000	1.000	1.000	65.59	0.000	0.000	Strato2_3095_82743_L_0
35 D	13.40	4.8087E-04	74.80	67.02	129.9	69.13	UL-RL	4.0389E+04	-6.800	0.000	1.000	1.000	67.02	0.000	0.000	Strato2_3095_82743_L_0
36 D	13.47	4.2290E-04	78.80	67.33	133.9	70.69	UL-RL	4.0389E+04	-7.000	0.000	1.000	1.000	67.33	0.000	0.000	Strato2_3095_82743_L_0
37 D	13.47	3.7121E-04	82.80	67.35	137.9	72.53	UL-RL	4.0389E+04	-7.200	0.000	1.000	1.000	67.35	0.000	0.000	Strato2_3095_82743_L_0
38 D	13.52	3.2549E-04	86.80	67.61	141.9	74.38	UL-RL	4.0389E+04	-7.400	0.000	1.000	1.000	67.61	0.000	0.000	Strato2_3095_82743_L_0
39 D	13.62	2.8540E-04	90.80	68.09	145.9	76.25	UL-RL	4.0389E+04	-7.600	0.000	1.000	1.000	68.09	0.000	0.000	Strato2_3095_82743_L_0
40 D	13.75	2.5058E-04	94.80	68.77	149.9	78.13	UL-RL	4.0389E+04	-7.800	0.000	1.000	1.000	68.77	0.000	0.000	Strato2_3095_82743_L_0
41 D	13.93	2.2063E-04	98.80	69.65	153.9	80.03	UL-RL	4.0389E+04	-8.000	0.000	1.000	1.000	69.65	0.000	0.000	Strato2_3095_82743_L_0
42 D	14.14	1.9517E-04	102.8	70.71	157.9	81.94	UL-RL	4.0389E+04	-8.200	0.000	1.000	1.000	70.71	0.000	0.000	Strato2_3095_82743_L_0
43 D	14.38	1.7379E-04	106.8	71.92	161.9	83.85	UL-RL	4.0389E+04	-8.400	0.000	1.000	1.000	71.92	0.000	0.000	Strato2_3095_82743_L_0
44 D	14.66	1.5611E-04	110.8	73.28	165.9	85.78	UL-RL	4.0389E+04	-8.600	0.000	1.000	1.000	73.28	0.000	0.000	Strato2_3095_82743_L_0
45 D	14.95	1.4173E-04	114.8	74.77	169.9	87.73	UL-RL	4.0389E+04	-8.800	0.000	1.000	1.000	74.77	0.000	0.000	Strato2_3095_82743_L_0
46 D	15.27	1.3030E-04	118.8	76.37	173.9	89.68	UL-RL	4.0389E+04	-9.000	0.000	1.000	1.000	76.37	0.000	0.000	Strato2_3095_82743_L_0
47 D	15.61	1.2144E-04	122.8	78.07	177.9	91.63	UL-RL	4.0389E+04	-9.200	0.000	1.000	1.000	78.07	0.000	0.000	Strato2_3095_82743_L_0
48 D	15.97	1.1483E-04	126.8	79.86	181.9	93.60	UL-RL	4.0389E+04	-9.400	0.000	1.000	1.000	79.86	0.000	0.000	Strato2_3095_82743_L_0
49 D	16.34	1.1015E-04	130.8	81.72	185.9	95.57	UL-RL	4.0389E+04	-9.600	0.000	1.000	1.000	81.72	0.000	0.000	Strato2_3095_82743_L_0
50 D	16.73	1.0711E-04	134.8	83.65	189.9	97.55	UL-RL	4.0389E+04	-9.800	0.000	1.000	1.000	83.65	0.000	0.000	Strato2_3095_82743_L_0
51 D	17.13	1.0544E-04	138.8	85.63	193.9	99.53	UL-RL	4.0389E+04	-10.00	0.000	1.000	1.000	85.63	0.000	0.000	Strato2_3095_82743_L_0
52 D	17.53	1.0490E-04	142.8	87.65	197.9	101.5	UL-RL	4.0389E+04	-10.20	0.000	1.000	1.000	87.65	0.000	0.000	Strato2_3095_82743_L_0
53 D	17.94	1.0527E-04	146.8	89.70	201.9	103.5	UL-RL	4.0389E+04	-10.40	0.000	1.000	1.000	89.70	0.000	0.000	Strato2_3095_82743_L_0
54 D	18.36	1.0634E-04	150.8	91.78	205.9	105.5	UL-RL	4.0389E+04	-10.60	0.000	1.000	1.000	91.78	0.000	0.000	Strato2_3095_82743_L_0
55 D	18.77	1.0796E-04	154.8	93.87	209.9	107.5	UL-RL	4.0389E+04	-10.80	0.000	1.000	1.000	93.87	0.000	0.000	Strato2_3095_82743_L_0
56 D	19.20	1.0997E-04	158.8	95.98	213.9	109.5	UL-RL	4.0389E+04	-11.00	0.000	1.000	1.000	95.98	0.000	0.000	Strato2_3095_82743_L_0
57 D	19.62	1.1225E-04	162.8	98.09	217.9	111.5	UL-RL	4.0389E+04	-11.20	0.000	1.000	1.000	98.09	0.000	0.000	Strato2_3095_82743_L_0
58 D	20.04	1.1471E-04	166.8	100.2	221.9	113.5	UL-RL	4.0389E+04	-11.40	0.000	1.000	1.000	100.2	0.000	0.000	Strato2_3095_82743_L_0
59 D	20.47	1.1726E-04	170.8	102.3	225.9	115.5	UL-RL	4.0389E+04	-11.60	0.000	1.000	1.000	102.3	0.000	0.000	Strato2_3095_82743_L_0
60 D	20.89	1.1986E-04	174.8	104.5	229.9	117.5	UL-RL	4.0389E+04	-11.80	0.000	1.000	1.000	104.5	0.000	0.000	Strato2_3095_82743_L_0
61 D	10.66	1.2248E-04	178.8	106.6	233.9	119.5	UL-RL	4.0389E+04	-12.00	0.000	1.000	1.000	106.6	0.000	0.000	Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:25                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 60
C U R R E N T   T I M E   I S   4.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	3.1891	-3.1891	-6.67910E-13	0.63783
2	8.1851	-8.1851	-0.63783	2.2749
3	12.944	-12.944	-2.2749	4.8636
4	18.751	-18.751	-4.8636	8.6137
5	24.495	-24.495	-8.6137	13.513
6	30.962	-30.962	-13.513	19.705
7	37.465	-37.465	-19.705	27.198
8	44.562	-44.562	-27.198	36.111
9	51.691	-51.691	-36.111	46.449
10	59.350	-59.350	-46.449	58.319
11	67.141	-67.141	-58.319	71.747
12	75.414	-75.414	-71.747	86.830
13	-6.9878	6.9878	-86.830	85.433
14	1.5198	-1.5198	-85.433	85.736
15	10.003	-10.003	-85.736	87.737
16	18.490	-18.490	-87.737	91.435
17	24.394	-24.394	-91.435	96.314
18	27.227	-27.227	-96.314	101.76
19	26.845	-26.845	-101.76	107.13
20	26.021	-26.021	-107.13	112.33
21	24.907	-24.907	-112.33	117.31
22	23.626	-23.626	-117.31	122.04
23	22.061	-22.061	-122.04	126.45
24	20.310	-20.310	-126.45	130.51
25	18.283	-18.283	-130.51	134.17
26	16.086	-16.086	-134.17	137.39
27	13.623	-13.623	-137.39	140.11
28	10.993	-10.993	-140.11	142.31
29	8.1080	-8.1080	-142.31	143.93
30	5.2286	-5.2286	-143.93	144.98
31	2.8730	-2.8730	-144.98	145.55
32	-4.8840	4.8840	-145.55	144.58
33	-13.001	13.001	-144.58	141.98
34	-20.654	20.654	-141.98	137.84
35	-27.166	27.166	-137.84	132.41
36	-32.300	32.300	-132.41	125.95
37	-36.221	36.221	-125.95	118.71
38	-38.960	38.960	-118.71	110.91
39	-40.782	40.782	-110.91	102.76
40	-41.694	41.694	-102.76	94.420
41	-41.921	41.921	-94.420	86.036
42	-41.470	41.470	-86.036	77.742
43	-40.545	40.545	-77.742	69.633
44	-39.137	39.137	-69.633	61.805
45	-37.424	37.424	-61.805	54.321
46	-35.397	35.397	-54.321	47.241
47	-33.200	33.200	-47.241	40.601
48	-30.799	30.799	-40.601	34.441
49	-28.327	28.327	-34.441	28.776
50	-25.741	25.741	-28.776	23.628
51	-23.158	23.158	-23.628	18.996
52	-20.523	20.523	-18.996	14.892
53	-17.940	17.940	-14.892	11.304
54	-15.358	15.358	-11.304	8.2320
55	-12.855	12.855	-8.2320	5.6611
56	-10.363	10.363	-5.6611	3.5885
57	-7.9654	7.9654	-3.5885	1.9954
58	-5.5915	5.5915	-1.9954	0.87711
59	-3.3162	3.3162	-0.87711	0.21388
60	-1.0693	1.0693	-0.21388	-1.78491E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                   |
|                                   Exe Time :29 July 2019      18:02:25                                            |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S     4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT
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         EL     FORCE          d0          EDISPL      pl. eps          K      -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1    93.940     -6.38098E-04 -6.38098E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER      0 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM= 2299.      REMNOR=0.2291E-19 RATIO =0.1352     TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.1352      RATIOR= 0.000
            MAX UN= 12.99      IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
            MIN UN=-.9754E-09 IEQ=     13 NODE      7 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      2 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM= 193.6      REMNOR=0.3899E-19 RATIO =0.3923E-01 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.3923E-01 RATIOR= 0.000
            MAX UN= 6.686      IEQ=     63 NODE     32 DOF   1  Y-DISPL.F
            MIN UN=-.1542E-08 IEQ=     19 NODE     10 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      3 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM= 4.695      REMNOR=0.6085E-19 RATIO =0.6108E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.6108E-02 RATIOR= 0.000
            MAX UN= 1.417      IEQ=     77 NODE     39 DOF   1  Y-DISPL.F
            MIN UN=-.1028E-08 IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      4 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM=0.8029      REMNOR=0.5235E-19 RATIO =0.2526E-02 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.2526E-02 RATIOR= 0.000
            MAX UN=0.6453      IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
            MIN UN=-.1117E-08 IEQ=     27 NODE     14 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      5 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM=0.3247E-02 REMNOR=0.8341E-19 RATIO =0.1606E-03 TOLER =0.1000E-03  NOT CONVERGED
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.1606E-03 RATIOR= 0.000
            MAX UN=0.5698E-01 IEQ=     67 NODE     34 DOF   1  Y-DISPL.F
            MIN UN=-.1412E-08 IEQ=     25 NODE     13 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1258E+06 RIMNOR=0.9369E+06
            RENORM=0.1909E-16 REMNOR=0.6286E-19 RATIO =0.1232E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 90.74      RMMAX = 145.6
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.1258E+06 RDR   =0.9369E+06
            RATIOT=0.1232E-10 RATIOR= 0.000
            MAX UN=0.1835E-08 IEQ=     39 NODE     20 DOF   1  Y-DISPL.F
            MIN UN=-.1715E-08 IEQ=     41 NODE     21 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                 |
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New Project
SOLUTION REACHED USING 6 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 5 (AT TIME 5.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	7.3572664E-03	-8.2918717E-04	
2	7.1914314E-03	-8.2914978E-04	
3	7.0256150E-03	-8.2898419E-04	
4	6.8598532E-03	-8.2858665E-04	
5	6.6942037E-03	-8.2783932E-04	
6	6.5287498E-03	-8.2660748E-04	
7	6.3636028E-03	-8.2474466E-04	
8	6.1989047E-03	-8.2209110E-04	
9	6.0348304E-03	-8.1847575E-04	
10	5.8715906E-03	-8.1371631E-04	
11	5.7094330E-03	-8.0762018E-04	
12	5.5486453E-03	-7.9998283E-04	
13	5.3895570E-03	-7.9058851E-04	
14	5.2323907E-03	-7.8148286E-04	
15	5.0768090E-03	-7.7470036E-04	
16	4.9223723E-03	-7.6999102E-04	
17	4.7686918E-03	-7.6709430E-04	
18	4.6154318E-03	-7.6573882E-04	
19	4.4623123E-03	-7.6564206E-04	
20	4.3091107E-03	-7.6651020E-04	
21	4.1556642E-03	-7.6803832E-04	
22	4.0018724E-03	-7.6991026E-04	
23	3.8476990E-03	-7.7179878E-04	
24	3.6931744E-03	-7.7336544E-04	
25	3.5383976E-03	-7.7426112E-04	
26	3.3835387E-03	-7.7412585E-04	
27	3.2288415E-03	-7.7258864E-04	
28	3.0746229E-03	-7.6926728E-04	
29	2.9212797E-03	-7.6376855E-04	
30	2.7692876E-03	-7.5568808E-04	
31	2.6192043E-03	-7.4461046E-04	
32	2.4716724E-03	-7.3010955E-04	
33	2.3273892E-03	-7.1218882E-04	
34	2.1869947E-03	-6.9130015E-04	
35	2.0510357E-03	-6.6791287E-04	
36	1.9199645E-03	-6.4250109E-04	
37	1.7941393E-03	-6.1553869E-04	
38	1.6738220E-03	-5.8749118E-04	
39	1.5591850E-03	-5.5881078E-04	
40	1.4503106E-03	-5.2993698E-04	
41	1.3471946E-03	-5.0129770E-04	
42	1.2497490E-03	-4.7329690E-04	
43	1.1578097E-03	-4.4628756E-04	
44	1.0711484E-03	-4.2056138E-04	
45	9.8948433E-04	-3.9635389E-04	
46	9.1249379E-04	-3.7384857E-04	
47	8.3982230E-04	-3.5318219E-04	
48	7.7109208E-04	-3.3444821E-04	
49	7.0591063E-04	-3.1770011E-04	
50	6.4387884E-04	-3.0295459E-04	
51	5.8459677E-04	-2.9019410E-04	
52	5.2767074E-04	-2.7936932E-04	
53	4.7272648E-04	-2.7040242E-04	
54	4.1939588E-04	-2.6318540E-04	
55	3.6734450E-04	-2.5758562E-04	
56	3.1626438E-04	-2.5344457E-04	
57	2.6588165E-04	-2.5057894E-04	
58	2.1596161E-04	-2.4878111E-04	
59	1.6631345E-04	-2.4781957E-04	
60	1.1679505E-04	-2.4743909E-04	
61	6.7315191E-05	-2.4736083E-04	

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+----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                            |
|                                        NewProject.BaseDesignSection_28.Nominal_63                          |
|                                    Exe Time :29 July 2019      18:02:25                                    |
+----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.575	-7.3573E-03	51.80	15.75	51.80	31.89	ACTIVE	0.000	0.000	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
2 D	2.251	-7.1914E-03	37.03	11.26	37.03	24.98	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
3 D	2.118	-7.0256E-03	34.84	10.59	34.84	23.79	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
4 D	2.846	-6.8599E-03	46.80	14.23	46.80	29.04	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.23	0.000	0.000	Strato1_2_8_L_0
5 D	2.830	-6.6942E-03	46.54	14.15	46.54	28.72	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.15	0.000	0.000	Strato1_2_8_L_0
6 D	3.339	-6.5287E-03	54.92	16.70	54.92	32.34	ACTIVE	0.000	-1.000	0.000	1.000	1.000	16.70	0.000	0.000	Strato1_2_8_L_0
7 D	3.390	-6.3636E-03	55.76	16.95	55.76	32.52	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.95	0.000	0.000	Strato1_2_8_L_0
8 D	3.815	-6.1989E-03	62.75	19.07	62.75	35.49	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.07	0.000	0.000	Strato1_2_8_L_0
9 D	3.864	-6.0348E-03	63.56	19.32	63.56	35.64	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.32	0.000	0.000	Strato1_2_8_L_0
10 D	4.248	-5.8716E-03	69.87	21.24	69.87	38.29	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.24	0.000	0.000	Strato1_2_8_L_0
11 D	4.367	-5.7094E-03	71.83	21.84	71.83	38.96	ACTIVE	0.000	-2.000	0.000	1.000	1.000	21.84	0.000	0.000	Strato1_2_8_L_0
12 D	4.721	-5.5486E-03	77.65	23.61	77.65	41.36	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
13 D	4.857	-5.3896E-03	79.88	24.28	79.88	42.34	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.28	0.000	0.000	Strato1_2_8_L_0
14 D	5.191	-5.2324E-03	85.38	25.96	85.38	45.25	ACTIVE	0.000	-2.600	0.000	1.000	1.000	25.96	0.000	0.000	Strato1_2_8_L_0
15 D	5.339	-5.0768E-03	87.81	26.69	87.81	46.54	ACTIVE	0.000	-2.800	0.000	1.000	1.000	26.69	0.000	0.000	Strato1_2_8_L_0
16 D	5.636	-4.9224E-03	92.70	28.18	92.70	49.13	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.18	0.000	0.000	Strato1_2_8_L_0
17 D	5.795	-4.7687E-03	95.31	28.98	95.31	50.52	ACTIVE	0.000	-3.200	0.000	1.000	1.000	28.98	0.000	0.000	Strato1_2_8_L_0
18 D	6.105	-4.6154E-03	100.4	30.53	100.4	53.22	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.53	0.000	0.000	Strato1_2_8_L_0
19 D	6.271	-4.4623E-03	103.1	31.36	103.1	54.67	ACTIVE	0.000	-3.600	0.000	1.000	1.000	31.36	0.000	0.000	Strato1_2_8_L_0
20 D	6.573	-4.3091E-03	108.1	32.86	108.1	57.30	ACTIVE	0.000	-3.800	0.000	1.000	1.000	32.86	0.000	0.000	Strato1_2_8_L_0
21 D	6.745	-4.1557E-03	110.9	33.72	110.9	58.80	ACTIVE	0.000	-4.000	0.000	1.000	1.000	33.72	0.000	0.000	Strato1_2_8_L_0
22 D	7.039	-4.0019E-03	115.8	35.20	115.8	61.36	ACTIVE	0.000	-4.200	0.000	1.000	1.000	35.20	0.000	0.000	Strato1_2_8_L_0
23 D	7.216	-3.8477E-03	118.7	36.08	118.7	62.91	ACTIVE	0.000	-4.400	0.000	1.000	1.000	36.08	0.000	0.000	Strato1_2_8_L_0
24 D	7.490	-3.6932E-03	123.2	37.45	123.2	65.29	ACTIVE	0.000	-4.600	0.000	1.000	1.000	37.45	0.000	0.000	Strato1_2_8_L_0
25 D	7.672	-3.5384E-03	126.2	38.36	126.2	66.88	ACTIVE	0.000	-4.800	0.000	1.000	1.000	38.36	0.000	0.000	Strato1_2_8_L_0
26 D	7.956	-3.3835E-03	130.9	39.78	130.9	69.36	ACTIVE	0.000	-5.000	0.000	1.000	1.000	39.78	0.000	0.000	Strato1_2_8_L_0
27 D	8.142	-3.2288E-03	133.9	40.71	133.9	70.97	ACTIVE	0.000	-5.200	0.000	1.000	1.000	40.71	0.000	0.000	Strato1_2_8_L_0
28 D	8.422	-3.0746E-03	138.5	42.11	138.5	73.42	ACTIVE	0.000	-5.400	0.000	1.000	1.000	42.11	0.000	0.000	Strato1_2_8_L_0
29 D	8.611	-2.9213E-03	141.6	43.05	141.6	75.06	ACTIVE	0.000	-5.600	0.000	1.000	1.000	43.05	0.000	0.000	Strato1_2_8_L_0
30 D	8.887	-2.7693E-03	146.2	44.44	146.2	77.47	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

44.44	0.000	0.000	Strato1_2_8_L_0									
31 D	9.067	-2.6192E-03	149.1	45.34	149.1	79.04	ACTIVE	0.000	-6.000	0.000	1.000	1.000
45.34	0.000	0.000	Strato1_2_8_L_0									
32 D	3.347	-2.4717E-03	153.7	16.74	153.7	76.87	ACTIVE	0.000	-6.200	0.000	1.000	1.000
16.74	0.000	0.000	Strato2_3095_82743_L_0									
33 D	3.507	-2.3274E-03	157.1	17.53	157.1	78.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000
17.53	0.000	0.000	Strato2_3095_82743_L_0									
34 D	3.726	-2.1870E-03	161.8	18.63	161.8	80.89	ACTIVE	0.000	-6.600	0.000	1.000	1.000
18.63	0.000	0.000	Strato2_3095_82743_L_0									
35 D	3.887	-2.0510E-03	165.2	19.43	165.2	82.60	ACTIVE	0.000	-6.800	0.000	1.000	1.000
19.43	0.000	0.000	Strato2_3095_82743_L_0									
36 D	4.104	-1.9200E-03	169.8	20.52	169.8	84.92	ACTIVE	0.000	-7.000	0.000	1.000	1.000
20.52	0.000	0.000	Strato2_3095_82743_L_0									
37 D	4.266	-1.7941E-03	173.3	21.33	173.3	86.64	ACTIVE	0.000	-7.200	0.000	1.000	1.000
21.33	0.000	0.000	Strato2_3095_82743_L_0									
38 D	4.482	-1.6738E-03	177.9	22.41	177.9	88.94	ACTIVE	0.000	-7.400	0.000	1.000	1.000
22.41	0.000	0.000	Strato2_3095_82743_L_0									
39 D	4.638	-1.5592E-03	181.2	23.19	181.2	90.60	ACTIVE	0.000	-7.600	0.000	1.000	1.000
23.19	0.000	0.000	Strato2_3095_82743_L_0									
40 D	4.853	-1.4503E-03	185.8	24.26	185.8	92.88	ACTIVE	0.000	-7.800	0.000	1.000	1.000
24.26	0.000	0.000	Strato2_3095_82743_L_0									
41 D	5.588	-1.3472E-03	189.3	27.94	189.3	94.63	UL-RL	3.6018E+04	-8.000	0.000	1.000	1.000
27.94	0.000	0.000	Strato2_3095_82743_L_0									
42 D	6.995	-1.2497E-03	193.8	34.97	193.8	96.90	UL-RL	3.6018E+04	-8.200	0.000	1.000	1.000
34.97	0.000	0.000	Strato2_3095_82743_L_0									
43 D	8.222	-1.1578E-03	197.3	41.11	197.3	98.67	UL-RL	3.6018E+04	-8.400	0.000	1.000	1.000
41.11	0.000	0.000	Strato2_3095_82743_L_0									
44 D	9.473	-1.0711E-03	201.8	47.36	201.8	100.9	UL-RL	3.6018E+04	-8.600	0.000	1.000	1.000
47.36	0.000	0.000	Strato2_3095_82743_L_0									
45 D	10.56	-9.8948E-04	205.4	52.80	205.4	102.7	UL-RL	3.6018E+04	-8.800	0.000	1.000	1.000
52.80	0.000	0.000	Strato2_3095_82743_L_0									
46 D	11.67	-9.1249E-04	209.7	58.33	209.7	104.9	UL-RL	3.6018E+04	-9.000	0.000	1.000	1.000
58.33	0.000	0.000	Strato2_3095_82743_L_0									
47 D	12.64	-8.3982E-04	213.3	63.18	213.3	106.7	UL-RL	3.6018E+04	-9.200	0.000	1.000	1.000
63.18	0.000	0.000	Strato2_3095_82743_L_0									
48 D	13.65	-7.7109E-04	217.8	68.23	217.8	108.9	UL-RL	3.6018E+04	-9.400	0.000	1.000	1.000
68.23	0.000	0.000	Strato2_3095_82743_L_0									
49 D	14.52	-7.0591E-04	221.4	72.62	221.4	110.7	UL-RL	3.6018E+04	-9.600	0.000	1.000	1.000
72.62	0.000	0.000	Strato2_3095_82743_L_0									
50 D	15.45	-6.4388E-04	225.8	77.25	225.8	112.9	UL-RL	3.6018E+04	-9.800	0.000	1.000	1.000
77.25	0.000	0.000	Strato2_3095_82743_L_0									
51 D	16.26	-5.8460E-04	229.4	81.28	229.4	114.7	UL-RL	3.6018E+04	-10.00	0.000	1.000	1.000
81.28	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.12	-5.2767E-04	233.8	85.59	233.8	116.9	UL-RL	3.6018E+04	-10.20	0.000	1.000	1.000
85.59	0.000	0.000	Strato2_3095_82743_L_0									
53 D	17.88	-4.7273E-04	237.5	89.38	237.5	118.7	UL-RL	3.6018E+04	-10.40	0.000	1.000	1.000
89.38	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.68	-4.1940E-04	241.8	93.42	241.8	120.9	UL-RL	3.6018E+04	-10.60	0.000	1.000	1.000
93.42	0.000	0.000	Strato2_3095_82743_L_0									
55 D	19.41	-3.6734E-04	245.4	97.05	245.4	122.7	UL-RL	3.6018E+04	-10.80	0.000	1.000	1.000
97.05	0.000	0.000	Strato2_3095_82743_L_0									
56 D	20.20	-3.1626E-04	249.8	101.0	249.8	124.9	UL-RL	3.6018E+04	-11.00	0.000	1.000	1.000
101.0	0.000	0.000	Strato2_3095_82743_L_0									
57 D	20.91	-2.6588E-04	253.4	104.5	253.4	126.7	UL-RL	3.6018E+04	-11.20	0.000	1.000	1.000
104.5	0.000	0.000	Strato2_3095_82743_L_0									
58 D	21.69	-2.1596E-04	257.8	108.4	257.8	128.9	UL-RL	3.6018E+04	-11.40	0.000	1.000	1.000
108.4	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.39	-1.6631E-04	261.5	111.9	261.5	130.7	UL-RL	3.6018E+04	-11.60	0.000	1.000	1.000
111.9	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.16	-1.1680E-04	265.8	115.8	265.8	132.9	UL-RL	3.6018E+04	-11.80	0.000	1.000	1.000
115.8	0.000	0.000	Strato2_3095_82743_L_0									
61 D	11.93	-6.7315E-05	269.4	119.3	269.4	134.7	UL-RL	3.6018E+04	-12.00	0.000	1.000	1.000
119.3	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                      |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                   Exe Time :29 July 2019      18:02:25                                               |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

0.000	0.000	0.000	not available										
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000	
0.000	0.000	0.000	not available										
32	D	12.57	2.4717E-03	2.000	62.84	117.9	66.91	UL-RL	1.9852E+04	-6.200	0.000	1.000	1.000
62.84	0.000	0.000	Strato2_3095_82743_L_0										
33	D	13.32	2.3274E-03	6.000	66.59	121.9	67.53	UL-RL	1.9852E+04	-6.400	0.000	1.000	1.000
66.59	0.000	0.000	Strato2_3095_82743_L_0										
34	D	13.68	2.1870E-03	10.00	68.42	125.9	68.42	V-C	6617.	-6.600	0.000	1.000	1.000
68.42	0.000	0.000	Strato2_3095_82743_L_0										
35	D	13.90	2.0510E-03	14.00	69.50	129.9	69.50	V-C	6617.	-6.800	0.000	1.000	1.000
69.50	0.000	0.000	Strato2_3095_82743_L_0										
36	D	14.05	1.9200E-03	18.00	70.24	133.9	70.69	UL-RL	1.9852E+04	-7.000	0.000	1.000	1.000
70.24	0.000	0.000	Strato2_3095_82743_L_0										
37	D	13.94	1.7941E-03	22.00	69.71	137.9	72.53	UL-RL	1.9852E+04	-7.200	0.000	1.000	1.000
69.71	0.000	0.000	Strato2_3095_82743_L_0										
38	D	13.85	1.6738E-03	26.00	69.25	141.9	74.38	UL-RL	1.9852E+04	-7.400	0.000	1.000	1.000
69.25	0.000	0.000	Strato2_3095_82743_L_0										
39	D	13.78	1.5592E-03	30.00	68.90	145.9	76.25	UL-RL	1.9852E+04	-7.600	0.000	1.000	1.000
68.90	0.000	0.000	Strato2_3095_82743_L_0										
40	D	13.74	1.4503E-03	34.00	68.68	149.9	78.13	UL-RL	1.9852E+04	-7.800	0.000	1.000	1.000
68.68	0.000	0.000	Strato2_3095_82743_L_0										
41	D	13.72	1.3472E-03	38.00	68.60	153.9	80.03	UL-RL	1.9852E+04	-8.000	0.000	1.000	1.000
68.60	0.000	0.000	Strato2_3095_82743_L_0										
42	D	13.73	1.2497E-03	42.00	68.66	157.9	81.94	UL-RL	1.9852E+04	-8.200	0.000	1.000	1.000
68.66	0.000	0.000	Strato2_3095_82743_L_0										
43	D	13.77	1.1578E-03	46.00	68.86	161.9	83.85	UL-RL	1.9852E+04	-8.400	0.000	1.000	1.000
68.86	0.000	0.000	Strato2_3095_82743_L_0										
44	D	13.84	1.0711E-03	50.00	69.20	165.9	85.78	UL-RL	1.9852E+04	-8.600	0.000	1.000	1.000
69.20	0.000	0.000	Strato2_3095_82743_L_0										
45	D	13.93	9.8948E-04	54.00	69.66	169.9	87.73	UL-RL	1.9852E+04	-8.800	0.000	1.000	1.000
69.66	0.000	0.000	Strato2_3095_82743_L_0										
46	D	14.05	9.1249E-04	58.00	70.25	173.9	89.68	UL-RL	1.9852E+04	-9.000	0.000	1.000	1.000
70.25	0.000	0.000	Strato2_3095_82743_L_0										
47	D	14.19	8.3982E-04	62.00	70.94	177.9	91.63	UL-RL	1.9852E+04	-9.200	0.000	1.000	1.000
70.94	0.000	0.000	Strato2_3095_82743_L_0										
48	D	14.35	7.7109E-04	66.00	71.74	181.9	93.60	UL-RL	1.9852E+04	-9.400	0.000	1.000	1.000
71.74	0.000	0.000	Strato2_3095_82743_L_0										
49	D	14.52	7.0591E-04	70.00	72.62	185.9	95.57	UL-RL	1.9852E+04	-9.600	0.000	1.000	1.000
72.62	0.000	0.000	Strato2_3095_82743_L_0										
50	D	14.72	6.4388E-04	74.00	73.58	189.9	97.55	UL-RL	1.9852E+04	-9.800	0.000	1.000	1.000
73.58	0.000	0.000	Strato2_3095_82743_L_0										
51	D	14.92	5.8460E-04	78.00	74.60	193.9	99.53	UL-RL	1.9852E+04	-10.00	0.000	1.000	1.000
74.60	0.000	0.000	Strato2_3095_82743_L_0										
52	D	15.14	5.2767E-04	82.00	75.68	197.9	101.5	UL-RL	1.9852E+04	-10.20	0.000	1.000	1.000
75.68	0.000	0.000	Strato2_3095_82743_L_0										
53	D	15.36	4.7273E-04	86.00	76.80	201.9	103.5	UL-RL	1.9852E+04	-10.40	0.000	1.000	1.000
76.80	0.000	0.000	Strato2_3095_82743_L_0										
54	D	15.59	4.1940E-04	90.00	77.95	205.9	105.5	UL-RL	1.9852E+04	-10.60	0.000	1.000	1.000
77.95	0.000	0.000	Strato2_3095_82743_L_0										
55	D	15.83	3.6734E-04	94.00	79.13	209.9	107.5	UL-RL	1.9852E+04	-10.80	0.000	1.000	1.000
79.13	0.000	0.000	Strato2_3095_82743_L_0										
56	D	16.06	3.1626E-04	98.00	80.31	213.9	109.5	UL-RL	1.9852E+04	-11.00	0.000	1.000	1.000
80.31	0.000	0.000	Strato2_3095_82743_L_0										
57	D	16.30	2.6588E-04	102.0	81.51	217.9	111.5	UL-RL	1.9852E+04	-11.20	0.000	1.000	1.000
81.51	0.000	0.000	Strato2_3095_82743_L_0										
58	D	16.54	2.1596E-04	106.0	82.71	221.9	113.5	UL-RL	1.9852E+04	-11.40	0.000	1.000	1.000
82.71	0.000	0.000	Strato2_3095_82743_L_0										
59	D	16.78	1.6631E-04	110.0	83.91	225.9	115.5	UL-RL	1.9852E+04	-11.60	0.000	1.000	1.000
83.91	0.000	0.000	Strato2_3095_82743_L_0										
60	D	17.02	1.1680E-04	114.0	85.11	229.9	117.5	UL-RL	1.9852E+04	-11.80	0.000	1.000	1.000
85.11	0.000	0.000	Strato2_3095_82743_L_0										
61	D	8.630	6.7315E-05	118.0	86.30	233.9	119.5	UL-RL	1.9852E+04	-12.00	0.000	1.000	1.000
86.30	0.000	0.000	Strato2_3095_82743_L_0										

```
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.Nominal_63                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.5747     -1.5747     1.26930E-11 0.31494
    2  3.8259     -3.8259    -0.31494      1.0801
    3  5.9441     -5.9441     -1.0801      2.2689
    4  8.7898     -8.7898     -2.2689      4.0269
    5  11.619     -11.619     -4.0269      6.3508
    6  14.959     -14.959     -6.3508      9.3425
    7  18.349     -18.349     -9.3425      13.012
    8  22.164     -22.164     -13.012      17.445
    9  26.028     -26.028     -17.445      22.651
   10  30.276     -30.276     -22.651      28.706
   11  34.643     -34.643     -28.706      35.635
   12  39.365     -39.365     -35.635      43.508
   13 -51.524      51.524     -43.508      33.203
   14 -46.333      46.333     -33.203      23.936
   15 -40.994      40.994     -23.936      15.738
   16 -35.358      35.358     -15.738      8.6659
   17 -29.563      29.563     -8.6659      2.7533
   18 -23.458      23.458     -2.7533     -1.9382
   19 -17.186      17.186      1.9382     -5.3755
   20 -10.614      10.614      5.3755     -7.4982
   21 -3.8688      3.8688      7.4982     -8.2720
   22  3.1705     -3.1705      8.2720     -7.6379
   23  10.387     -10.387      7.6379     -5.5605
   24  17.877     -17.877      5.5605     -1.9851
   25  25.549     -25.549      1.9851      3.1247
   26  33.505     -33.505     -3.1247      9.8257
   27  41.647     -41.647     -9.8257      18.155
   28  50.069     -50.069     -18.155      28.169
   29  58.680     -58.680     -28.169      39.905
   30  67.567     -67.567     -39.905      53.418
   31  76.634     -76.634     -53.418      68.745
   32  67.414     -67.414     -68.745      82.228
   33  57.603     -57.603     -82.228      93.749
   34  47.645     -47.645     -93.749      103.28
   35  37.632     -37.632     -103.28      110.80
   36  27.689     -27.689     -110.80      116.34
   37  18.014     -18.014     -116.34      119.94
   38  8.6448     -8.6448     -119.94      121.67
   39-0.49763     0.49763     -121.67      121.57
   40 -9.3814      9.3814     -121.57      119.70
   41 -17.513      17.513     -119.70      116.20
   42 -24.250      24.250     -116.20      111.35
   43 -29.800      29.800     -111.35      105.39
   44 -34.166      34.166     -105.39      98.552
   45 -37.539      37.539     -98.552      91.044
   46 -39.923      39.923     -91.044      83.060
   47 -41.475      41.475     -83.060      74.765
   48 -42.176      42.176     -74.765      66.330
   49 -42.175      42.175     -66.330      57.895
   50 -41.442      41.442     -57.895      49.606
   51 -40.106      40.106     -49.606      41.585
   52 -38.123      38.123     -41.585      33.961
   53 -35.607      35.607     -33.961      26.839
   54 -32.515      32.515     -26.839      20.336
   55 -28.931      28.931     -20.336      14.550
   56 -24.793      24.793     -14.550      9.5915
   57 -20.186      20.186     -9.5915      5.5544
   58 -15.041      15.041     -5.5544      2.5462
   59 -9.4346      9.4346     -2.5462     0.65923
   60 -3.2960      3.2960    -0.65923     1.01952E-12
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   99.123     -6.38098E-04  1.33020E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        4
        3           CONVERGENCE :YES                        5
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        6



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.27 [sec]
```

4.3. Design Assumption : SLE (Rara) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)
 * Time:lunedì 29 luglio 2019 18:02:25
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -12 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -12 0 1 0
 SOIL 0_R LeftWall_32 -12 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
```

```
* Soil Profile (Strato2_3095_82743_L_0)
*
LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 108 Name=Fe360 E=206000200 kPa
MATERIAL Fe360_108 2.06E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 5 0 40 0 10 30
STRIP LeftWall_32 2 5 0 40 0 41.8 45

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
```

```
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -6.1
WATER -26 0 -12 0 0
ENDSTEP
```

4.4. Design Assumption : SLE (Rara) - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                         |
|                                 Exe Time :29 July 2019      18:02:25                                                    |
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                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.SLERara_3454
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >



                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   89
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     89

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
```

```
23 : MATERIAL Fe360_108 2.06E+08
24 : MATERIAL C2530_104 3.148E+07
25 : MATERIAL acciaioarmonico_124 2.001E+08
26 : MATERIAL C2025_103 2.996E+07
27 : BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0
28 : WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0
29 : STRIP LeftWall_32 2 5 0 40 0 10 30
30 : STRIP LeftWall_32 2 5 0 40 0 41.8 45
31 : STEP Stage1_31
32 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
33 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
34 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
35 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
36 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
37 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
38 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
39 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
40 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
41 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
42 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
43 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
44 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
45 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
46 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
47 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
48 : SETWALL LeftWall_32
49 : GEOM 0 0
50 : WATER -26 0 -12 0 0
51 : ADD WallElement_33
52 : ENDSTEP
53 : STEP Stage2_755438
54 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
55 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
56 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
57 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
58 : SETWALL LeftWall_32
59 : GEOM 0 0
60 : WATER -26 0 -12 0 0
61 : ENDSTEP
62 : STEP Stage3_158
63 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
64 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
65 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
66 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
67 : SETWALL LeftWall_32
68 : GEOM 0 -2.9
69 : WATER -26 0 -12 0 0
70 : ENDSTEP
71 : STEP Stage4_617
72 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
73 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
74 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
75 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
76 : SETWALL LeftWall_32
77 : GEOM 0 -2.9
78 : WATER -26 0 -12 0 0
79 : ADD Tirante1_429
80 : ENDSTEP
81 : STEP Stage5_714
82 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
83 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
84 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
85 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
86 : SETWALL LeftWall_32
87 : GEOM 0 -6.1
88 : WATER -26 0 -12 0 0
89 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
..........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000      0.000     0.000     0.000     1.000
    2    2    1   0.2000      0.000     0.000     0.000     1.000
    3    3    1   0.2000      0.000     0.000     0.000     1.000
    4    4    1   0.2000      0.000     0.000     0.000     1.000
    5    5    1   0.2000      0.000     0.000     0.000     1.000
    6    6    1   0.2000      0.000     0.000     0.000     1.000
    7    7    1   0.2000      0.000     0.000     0.000     1.000
    8    8    1   0.2000      0.000     0.000     0.000     1.000
    9    9    1   0.2000      0.000     0.000     0.000     1.000
   10   10    1   0.2000      0.000     0.000     0.000     1.000
```

11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	2	0.2000	0.000	0.000	0.000	1.000
33	33	2	0.2000	0.000	0.000	0.000	1.000
34	34	2	0.2000	0.000	0.000	0.000	1.000
35	35	2	0.2000	0.000	0.000	0.000	1.000
36	36	2	0.2000	0.000	0.000	0.000	1.000
37	37	2	0.2000	0.000	0.000	0.000	1.000
38	38	2	0.2000	0.000	0.000	0.000	1.000
39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                          :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000
```

material set no. 2

prop(1) angle 180.000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.1000	0.000	0.000	0.000	2.000

+---+
| PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* |
| |
| NewProject.BaseDesignSection_28.SLERara_3454 |
| Exe Time :29 July 2019 18:02:25 |
+---+

ELEMENT GROUP NO. 3

WallElement_33 :

```
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.....2D WALL ELEMENT.....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .....0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
-------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
   34   34   35    1     0.000     0.000    0.6848     0.000     0.000
   35   35   36    1     0.000     0.000    0.6848     0.000     0.000
   36   36   37    1     0.000     0.000    0.6848     0.000     0.000
   37   37   38    1     0.000     0.000    0.6848     0.000     0.000
   38   38   39    1     0.000     0.000    0.6848     0.000     0.000
   39   39   40    1     0.000     0.000    0.6848     0.000     0.000
   40   40   41    1     0.000     0.000    0.6848     0.000     0.000
   41   41   42    1     0.000     0.000    0.6848     0.000     0.000
   42   42   43    1     0.000     0.000    0.6848     0.000     0.000
   43   43   44    1     0.000     0.000    0.6848     0.000     0.000
   44   44   45    1     0.000     0.000    0.6848     0.000     0.000
   45   45   46    1     0.000     0.000    0.6848     0.000     0.000
   46   46   47    1     0.000     0.000    0.6848     0.000     0.000
   47   47   48    1     0.000     0.000    0.6848     0.000     0.000
   48   48   49    1     0.000     0.000    0.6848     0.000     0.000
```

49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      18:02:25                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   13    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                   Exe Time :29 July 2019      18:02:25                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
```

```
      1.00000    0.1000E+01
      6.00000    0.1000E+01


   LOAD FUNCTION NUMBER   =    7
   NUMBER OF TIME POINTS  =    4

   TIME VALUE      FUNCTION

      0.00000    0.0000E+00
      1.80000    0.0000E+00
      2.00000    0.1000E+01
      6.00000    0.1000E+01


   LOAD FUNCTION NUMBER   =    8
   NUMBER OF TIME POINTS  =    4

   TIME VALUE      FUNCTION

      0.00000    0.0000E+00
      2.80000    0.0000E+00
      3.00000    0.1000E+01
      6.00000    0.1000E+01


   LOAD FUNCTION NUMBER   =    9
   NUMBER OF TIME POINTS  =    4

   TIME VALUE      FUNCTION

      0.00000    0.0000E+00
      3.80000    0.0000E+00
      4.00000    0.1000E+01
      6.00000    0.1000E+01


   LOAD FUNCTION NUMBER   =   10
   NUMBER OF TIME POINTS  =    4

   TIME VALUE      FUNCTION

      0.00000    0.0000E+00
      4.80000    0.0000E+00
      5.00000    0.1000E+01
      6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS .................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1
```

```
ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3
```

```
 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)
```

```
 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
```

DEFAULT WATER UNIT WEIGHT = 10.000
AVERAGED ON 10 VALUES

+----------+
| PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* |
| NewProject.BaseDesignSection_28.SLERara_3454 |
| Exe Time :29 July 2019 18:02:25 |
+----------+

PHASE DESCRIPTORS

STEP NO. 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000

Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.100	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 5

LEFT-HAND WALL

LOWER LEVEL -12.00000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -12.00000
UPPER LEVEL 0.00000

+---------- PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* ----------+
| NewProject.BaseDesignSection_28.SLERara_3454 |
| Exe Time :29 July 2019 18:02:25 |
+----------+

I N I T I A L S T R E S S T A B L E S

S E C T I O N

NUMBER OF DEFINED TABLES 2

INPUT DATA FOR INITIAL STRESS SET NO. 1
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 5.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.000000000000000E+000
FOUNDATION WIDTH (B) 40.0000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 10.0000000000000
BETA 30.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 2
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

```
ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .............                  41.8000000000000
 BETA ...........                   45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3530

 NO. OF D.P.W  FOR THIS AREA       7258
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                        NewProject.BaseDesignSection_28.SLERara_3454                                           |
 |                                   Exe Time :29 July 2019      18:02:25                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.1221E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  2.1221E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  2.1221E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  2.1221E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  2.1221E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  2.1221E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  2.1221E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  2.1221E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  2.1221E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  2.1221E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  2.1221E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  2.1221E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  2.1221E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  2.1221E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  2.1221E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  2.1221E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  2.1221E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  2.1221E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C  2.1221E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C  2.1221E+04  -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C  2.1221E+04  -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C  2.1221E+04  -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C  2.1221E+04  -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C  2.1221E+04  -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C  2.1221E+04  -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C  2.1221E+04  -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C  2.1221E+04  -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C  2.1221E+04  -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C  2.1221E+04  -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C  2.1221E+04  -5.800       0.000       1.000       1.000
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58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	2.1221E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	11.79	0.000	117.9	58.95	117.9	58.95	V-C	6.0031E+04	-6.200	0.000	1.000	1.000	
58.95	0.000	0.000	Strato2_3095_82743_L_0										
33 D	12.19	0.000	121.9	60.95	121.9	60.95	V-C	6.0031E+04	-6.400	0.000	1.000	1.000	
60.95	0.000	0.000	Strato2_3095_82743_L_0										
34 D	12.59	0.000	125.9	62.95	125.9	62.95	V-C	6.0031E+04	-6.600	0.000	1.000	1.000	
62.95	0.000	0.000	Strato2_3095_82743_L_0										
35 D	12.99	0.000	129.9	64.95	129.9	64.95	V-C	6.0031E+04	-6.800	0.000	1.000	1.000	
64.95	0.000	0.000	Strato2_3095_82743_L_0										
36 D	13.39	0.000	133.9	66.95	133.9	66.95	V-C	6.0031E+04	-7.000	0.000	1.000	1.000	
66.95	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.79	0.000	137.9	68.95	137.9	68.95	V-C	6.0031E+04	-7.200	0.000	1.000	1.000	
68.95	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.19	0.000	141.9	70.95	141.9	70.95	V-C	6.0031E+04	-7.400	0.000	1.000	1.000	
70.95	0.000	0.000	Strato2_3095_82743_L_0										
39 D	14.59	0.000	145.9	72.95	145.9	72.95	V-C	6.0031E+04	-7.600	0.000	1.000	1.000	
72.95	0.000	0.000	Strato2_3095_82743_L_0										
40 D	14.99	0.000	149.9	74.95	149.9	74.95	V-C	6.0031E+04	-7.800	0.000	1.000	1.000	
74.95	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.39	0.000	153.9	76.95	153.9	76.95	V-C	6.0031E+04	-8.000	0.000	1.000	1.000	
76.95	0.000	0.000	Strato2_3095_82743_L_0										
42 D	15.79	0.000	157.9	78.95	157.9	78.95	V-C	6.0031E+04	-8.200	0.000	1.000	1.000	
78.95	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.19	0.000	161.9	80.95	161.9	80.95	V-C	6.0031E+04	-8.400	0.000	1.000	1.000	
80.95	0.000	0.000	Strato2_3095_82743_L_0										
44 D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	6.0031E+04	-8.600	0.000	1.000	1.000	
82.95	0.000	0.000	Strato2_3095_82743_L_0										
45 D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	6.0031E+04	-8.800	0.000	1.000	1.000	
84.95	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	6.0031E+04	-9.000	0.000	1.000	1.000	
86.95	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.79	0.000	177.9	88.95	177.9	88.95	V-C	6.0031E+04	-9.200	0.000	1.000	1.000	
88.95	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.19	0.000	181.9	90.95	181.9	90.95	V-C	6.0031E+04	-9.400	0.000	1.000	1.000	
90.95	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.59	0.000	185.9	92.95	185.9	92.95	V-C	6.0031E+04	-9.600	0.000	1.000	1.000	
92.95	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.99	0.000	189.9	94.95	189.9	94.95	V-C	6.0031E+04	-9.800	0.000	1.000	1.000	
94.95	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.39	0.000	193.9	96.95	193.9	96.95	V-C	6.0031E+04	-10.00	0.000	1.000	1.000	
96.95	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.79	0.000	197.9	98.95	197.9	98.95	V-C	6.0031E+04	-10.20	0.000	1.000	1.000	
98.95	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.19	0.000	201.9	100.9	201.9	100.9	V-C	6.0031E+04	-10.40	0.000	1.000	1.000	
100.9	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.59	0.000	205.9	102.9	205.9	102.9	V-C	6.0031E+04	-10.60	0.000	1.000	1.000	
102.9	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.99	0.000	209.9	104.9	209.9	104.9	V-C	6.0031E+04	-10.80	0.000	1.000	1.000	
104.9	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.39	0.000	213.9	106.9	213.9	106.9	V-C	6.0031E+04	-11.00	0.000	1.000	1.000	
106.9	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.79	0.000	217.9	108.9	217.9	108.9	V-C	6.0031E+04	-11.20	0.000	1.000	1.000	
108.9	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.19	0.000	221.9	110.9	221.9	110.9	V-C	6.0031E+04	-11.40	0.000	1.000	1.000	
110.9	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.59	0.000	225.9	112.9	225.9	112.9	V-C	6.0031E+04	-11.60	0.000	1.000	1.000	
112.9	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.99	0.000	229.9	114.9	229.9	114.9	V-C	6.0031E+04	-11.80	0.000	1.000	1.000	
114.9	0.000	0.000	Strato2_3095_82743_L_0										
61 D	11.70	0.000	233.9	116.9	233.9	116.9	V-C	6.0031E+04	-12.00	0.000	1.000	1.000	
117.0	0.000	0.000	Strato2_3095_82743_L_0										

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                  Exe Time :29 July 2019      18:02:25                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  1.4726E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014            V-C  1.4726E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028            V-C  1.4726E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042            V-C  1.4726E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056            V-C  1.4726E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07            V-C  1.4726E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08            V-C  1.4726E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10            V-C  1.4726E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11            V-C  1.4726E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13            V-C  1.4726E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14            V-C  1.4726E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15            V-C  1.4726E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17            V-C  1.4726E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18            V-C  1.4726E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20            V-C  1.4726E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21            V-C  1.4726E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22            V-C  1.4726E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24            V-C  1.4726E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25            V-C  1.4726E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27            V-C  1.4726E+04  -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28            V-C  1.4726E+04  -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29            V-C  1.4726E+04  -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31            V-C  1.4726E+04  -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32            V-C  1.4726E+04  -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34            V-C  1.4726E+04  -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35            V-C  1.4726E+04  -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36            V-C  1.4726E+04  -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38            V-C  1.4726E+04  -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39            V-C  1.4726E+04  -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41            V-C  1.4726E+04  -5.800       0.000       1.000       1.000
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58.41	0.000	0.000	Strato1_2_8_L_0										
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.4726E+04	-6.000	0.000	1.000	1.000	
60.42	0.000	0.000	Strato1_2_8_L_0										
32 D	11.79	0.000	117.9	58.95	117.9	58.95	V-C	3.2535E+04	-6.200	0.000	1.000	1.000	
58.95	0.000	0.000	Strato2_3095_82743_L_0										
33 D	12.19	0.000	121.9	60.95	121.9	60.95	V-C	3.2535E+04	-6.400	0.000	1.000	1.000	
60.95	0.000	0.000	Strato2_3095_82743_L_0										
34 D	12.59	0.000	125.9	62.95	125.9	62.95	V-C	3.2535E+04	-6.600	0.000	1.000	1.000	
62.95	0.000	0.000	Strato2_3095_82743_L_0										
35 D	12.99	0.000	129.9	64.95	129.9	64.95	V-C	3.2535E+04	-6.800	0.000	1.000	1.000	
64.95	0.000	0.000	Strato2_3095_82743_L_0										
36 D	13.39	0.000	133.9	66.95	133.9	66.95	V-C	3.2535E+04	-7.000	0.000	1.000	1.000	
66.95	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.79	0.000	137.9	68.95	137.9	68.95	V-C	3.2535E+04	-7.200	0.000	1.000	1.000	
68.95	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.19	0.000	141.9	70.95	141.9	70.95	V-C	3.2535E+04	-7.400	0.000	1.000	1.000	
70.95	0.000	0.000	Strato2_3095_82743_L_0										
39 D	14.59	0.000	145.9	72.95	145.9	72.95	V-C	3.2535E+04	-7.600	0.000	1.000	1.000	
72.95	0.000	0.000	Strato2_3095_82743_L_0										
40 D	14.99	0.000	149.9	74.95	149.9	74.95	V-C	3.2535E+04	-7.800	0.000	1.000	1.000	
74.95	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.39	0.000	153.9	76.95	153.9	76.95	V-C	3.2535E+04	-8.000	0.000	1.000	1.000	
76.95	0.000	0.000	Strato2_3095_82743_L_0										
42 D	15.79	0.000	157.9	78.95	157.9	78.95	V-C	3.2535E+04	-8.200	0.000	1.000	1.000	
78.95	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.19	0.000	161.9	80.95	161.9	80.95	V-C	3.2535E+04	-8.400	0.000	1.000	1.000	
80.95	0.000	0.000	Strato2_3095_82743_L_0										
44 D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	3.2535E+04	-8.600	0.000	1.000	1.000	
82.95	0.000	0.000	Strato2_3095_82743_L_0										
45 D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	3.2535E+04	-8.800	0.000	1.000	1.000	
84.95	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	3.2535E+04	-9.000	0.000	1.000	1.000	
86.95	0.000	0.000	Strato2_3095_82743_L_0										
47 D	17.79	0.000	177.9	88.95	177.9	88.95	V-C	3.2535E+04	-9.200	0.000	1.000	1.000	
88.95	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.19	0.000	181.9	90.95	181.9	90.95	V-C	3.2535E+04	-9.400	0.000	1.000	1.000	
90.95	0.000	0.000	Strato2_3095_82743_L_0										
49 D	18.59	0.000	185.9	92.95	185.9	92.95	V-C	3.2535E+04	-9.600	0.000	1.000	1.000	
92.95	0.000	0.000	Strato2_3095_82743_L_0										
50 D	18.99	0.000	189.9	94.95	189.9	94.95	V-C	3.2535E+04	-9.800	0.000	1.000	1.000	
94.95	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.39	0.000	193.9	96.95	193.9	96.95	V-C	3.2535E+04	-10.00	0.000	1.000	1.000	
96.95	0.000	0.000	Strato2_3095_82743_L_0										
52 D	19.79	0.000	197.9	98.95	197.9	98.95	V-C	3.2535E+04	-10.20	0.000	1.000	1.000	
98.95	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.19	0.000	201.9	100.9	201.9	100.9	V-C	3.2535E+04	-10.40	0.000	1.000	1.000	
100.9	0.000	0.000	Strato2_3095_82743_L_0										
54 D	20.59	0.000	205.9	102.9	205.9	102.9	V-C	3.2535E+04	-10.60	0.000	1.000	1.000	
102.9	0.000	0.000	Strato2_3095_82743_L_0										
55 D	20.99	0.000	209.9	104.9	209.9	104.9	V-C	3.2535E+04	-10.80	0.000	1.000	1.000	
104.9	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.39	0.000	213.9	106.9	213.9	106.9	V-C	3.2535E+04	-11.00	0.000	1.000	1.000	
106.9	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.79	0.000	217.9	108.9	217.9	108.9	V-C	3.2535E+04	-11.20	0.000	1.000	1.000	
108.9	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.19	0.000	221.9	110.9	221.9	110.9	V-C	3.2535E+04	-11.40	0.000	1.000	1.000	
110.9	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.59	0.000	225.9	112.9	225.9	112.9	V-C	3.2535E+04	-11.60	0.000	1.000	1.000	
112.9	0.000	0.000	Strato2_3095_82743_L_0										
60 D	22.99	0.000	229.9	114.9	229.9	114.9	V-C	3.2535E+04	-11.80	0.000	1.000	1.000	
114.9	0.000	0.000	Strato2_3095_82743_L_0										
61 D	11.70	0.000	233.9	116.9	233.9	116.9	V-C	3.2535E+04	-12.00	0.000	1.000	1.000	
117.0	0.000	0.000	Strato2_3095_82743_L_0										

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                    |
|                                  Exe Time :29 July 2019      18:02:25                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
   32  0.0000      0.0000      0.0000      0.0000
   33  0.0000      0.0000      0.0000      0.0000
   34  0.0000      0.0000      0.0000      0.0000
   35  0.0000      0.0000      0.0000      0.0000
   36  0.0000      0.0000      0.0000      0.0000
   37  0.0000      0.0000      0.0000      0.0000
   38  0.0000      0.0000      0.0000      0.0000
   39  0.0000      0.0000      0.0000      0.0000
   40  0.0000      0.0000      0.0000      0.0000
   41  0.0000      0.0000      0.0000      0.0000
   42  0.0000      0.0000      0.0000      0.0000
   43  0.0000      0.0000      0.0000      0.0000
   44  0.0000      0.0000      0.0000      0.0000
   45  0.0000      0.0000      0.0000      0.0000
   46  0.0000      0.0000      0.0000      0.0000
   47  0.0000      0.0000      0.0000      0.0000
   48  0.0000      0.0000      0.0000      0.0000
   49  0.0000      0.0000      0.0000      0.0000
   50  0.0000      0.0000      0.0000      0.0000
   51  0.0000      0.0000      0.0000      0.0000
   52  0.0000      0.0000      0.0000      0.0000
   53  0.0000      0.0000      0.0000      0.0000
   54  0.0000      0.0000      0.0000      0.0000
   55  0.0000      0.0000      0.0000      0.0000
   56  0.0000      0.0000      0.0000      0.0000
   57  0.0000      0.0000      0.0000      0.0000
   58  0.0000      0.0000      0.0000      0.0000
   59  0.0000      0.0000      0.0000      0.0000
   60  0.0000      0.0000      0.0000      0.0000
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 787.7     REMNOR= 0.000     RATIO =0.1697     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.1697     RATIOR= 0.000
           MAX UN= 3.831     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 9.438     REMNOR=0.6185E-21 RATIO =0.1857E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.1857E-01 RATIOR= 0.000
           MAX UN= 1.705     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.9334E-10 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM= 1.231     REMNOR=0.1635E-21 RATIO =0.6708E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.6708E-02 RATIOR= 0.000
           MAX UN=0.8541     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.7552E-10 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2736E+05 RIMNOR= 0.000
           RENORM=0.2267E-03 REMNOR=0.1414E-21 RATIO =0.9102E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 26.58     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2736E+05 RDR   = 0.000
           RATIOT=0.9102E-04 RATIOR= 0.000
           MAX UN=0.1413E-01 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.1059E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.3611515E-04  -6.0171801E-05
    2   4.2408328E-04  -6.0134417E-05
    3   4.1206731E-04  -6.0008036E-05
    4   4.0008710E-04  -5.9776078E-05
    5   3.8816480E-04  -5.9425300E-05
    6   3.7632575E-04  -5.8943019E-05
    7   3.6459683E-04  -5.8322300E-05
    8   3.5300624E-04  -5.7560371E-05
    9   3.4158186E-04  -5.6660667E-05
   10   3.3035052E-04  -5.5632887E-05
   11   3.1933612E-04  -5.4493989E-05
   12   3.0855882E-04  -5.3266561E-05
   13   2.9803346E-04  -5.1979558E-05
   14   2.8776864E-04  -5.0667946E-05
   15   2.7776547E-04  -4.9368578E-05
   16   2.6801820E-04  -4.8114306E-05
   17   2.5851499E-04  -4.6931332E-05
   18   2.4923963E-04  -4.5838940E-05
   19   2.4017258E-04  -4.4849135E-05
   20   2.3129283E-04  -4.3966507E-05
   21   2.2257898E-04  -4.3188740E-05
   22   2.1401097E-04  -4.2506496E-05
   23   2.0557108E-04  -4.1903821E-05
   24   1.9724565E-04  -4.1358044E-05
   25   1.8902597E-04  -4.0840721E-05
   26   1.8090975E-04  -4.0317510E-05
   27   1.7290210E-04  -3.9747817E-05
   28   1.6501687E-04  -3.9085052E-05
   29   1.5727779E-04  -3.8276691E-05
   30   1.4971983E-04  -3.7263728E-05
   31   1.4239028E-04  -3.5981017E-05
   32   1.3535016E-04  -3.4357871E-05
   33   1.2866886E-04  -3.2409287E-05
   34   1.2240174E-04  -3.0231289E-05
   35   1.1658613E-04  -2.7906486E-05
   36   1.1124426E-04  -2.5504953E-05
   37   1.0638538E-04  -2.3085344E-05
   38   1.0200814E-04  -2.0695792E-05
   39   9.8102474E-05  -1.8375090E-05
   40   9.4651468E-05  -1.6153924E-05
   41   9.1632693E-05  -1.4055922E-05
   42   8.9019751E-05  -1.2098142E-05
   43   8.6783327E-05  -1.0292004E-05
   44   8.4892405E-05  -8.6440347E-06
   45   8.3315014E-05  -7.1566688E-06
   46   8.2019109E-05  -5.8288418E-06
   47   8.0973079E-05  -4.6569881E-06
   48   8.0146290E-05  -3.6354930E-06
   49   7.9509354E-05  -2.7569128E-06
   50   7.9034593E-05  -2.0123452E-06
   51   7.8696149E-05  -1.3918111E-06
   52   7.8470314E-05  -8.8452369E-07
   53   7.8335540E-05  -4.7922709E-07
   54   7.8272611E-05  -1.6421336E-07
   55   7.8264605E-05   7.2047784E-08
   56   7.8296939E-05   2.4094505E-07
   57   7.8357252E-05   3.5388408E-07
   58   7.8435523E-05   4.2227657E-07
   59   7.8523949E-05   4.5745951E-07
   60   7.8617044E-05   4.7069423E-07
   61   7.8711511E-05   4.7311945E-07
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                   NewProject.BaseDesignSection_28.SLERara_3454                           |
|                                Exe Time :29 July 2019      18:02:25                                     |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.575	-4.3612E-04	51.80	15.75	51.80	27.45	ACTIVE	0.000	0.000	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
2 D	2.251	-4.2408E-04	37.03	11.26	37.03	19.62	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
3 D	2.118	-4.1207E-04	34.84	10.59	34.84	18.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
4 D	2.846	-4.0009E-04	46.80	14.23	46.80	24.81	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.23	0.000	0.000	Strato1_2_8_L_0
5 D	2.830	-3.8816E-04	46.54	14.15	46.54	24.67	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.15	0.000	0.000	Strato1_2_8_L_0
6 D	3.339	-3.7633E-04	54.92	16.70	54.92	29.11	ACTIVE	0.000	-1.000	0.000	1.000	1.000	16.70	0.000	0.000	Strato1_2_8_L_0
7 D	3.390	-3.6460E-04	55.76	16.95	55.76	29.55	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.95	0.000	0.000	Strato1_2_8_L_0
8 D	3.815	-3.5301E-04	62.75	19.07	62.75	33.25	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.07	0.000	0.000	Strato1_2_8_L_0
9 D	3.864	-3.4158E-04	63.56	19.32	63.56	33.68	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.32	0.000	0.000	Strato1_2_8_L_0
10 D	4.248	-3.3035E-04	69.87	21.24	69.87	37.03	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.24	0.000	0.000	Strato1_2_8_L_0
11 D	4.367	-3.1934E-04	71.83	21.84	71.83	38.07	ACTIVE	0.000	-2.000	0.000	1.000	1.000	21.84	0.000	0.000	Strato1_2_8_L_0
12 D	4.721	-3.0856E-04	77.65	23.61	77.65	41.16	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
13 D	4.857	-2.9803E-04	79.88	24.28	79.88	42.34	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.28	0.000	0.000	Strato1_2_8_L_0
14 D	5.386	-2.8777E-04	85.38	26.93	85.38	45.25	UL-RL	6.3662E+04	-2.600	0.000	1.000	1.000	26.93	0.000	0.000	Strato1_2_8_L_0
15 D	5.771	-2.7777E-04	87.81	28.86	87.81	46.54	UL-RL	6.3662E+04	-2.800	0.000	1.000	1.000	28.86	0.000	0.000	Strato1_2_8_L_0
16 D	6.414	-2.6802E-04	92.70	32.07	92.70	49.13	UL-RL	6.3662E+04	-3.000	0.000	1.000	1.000	32.07	0.000	0.000	Strato1_2_8_L_0
17 D	6.812	-2.5851E-04	95.31	34.06	95.31	50.52	UL-RL	6.3662E+04	-3.200	0.000	1.000	1.000	34.06	0.000	0.000	Strato1_2_8_L_0
18 D	7.470	-2.4924E-04	100.4	37.35	100.4	53.22	UL-RL	6.3662E+04	-3.400	0.000	1.000	1.000	37.35	0.000	0.000	Strato1_2_8_L_0
19 D	7.876	-2.4017E-04	103.1	39.38	103.1	54.67	UL-RL	6.3662E+04	-3.600	0.000	1.000	1.000	39.38	0.000	0.000	Strato1_2_8_L_0
20 D	8.514	-2.3129E-04	108.1	42.57	108.1	57.30	UL-RL	6.3662E+04	-3.800	0.000	1.000	1.000	42.57	0.000	0.000	Strato1_2_8_L_0
21 D	8.925	-2.2258E-04	110.9	44.63	110.9	58.80	UL-RL	6.3662E+04	-4.000	0.000	1.000	1.000	44.63	0.000	0.000	Strato1_2_8_L_0
22 D	9.547	-2.1401E-04	115.8	47.74	115.8	61.36	UL-RL	6.3662E+04	-4.200	0.000	1.000	1.000	47.74	0.000	0.000	Strato1_2_8_L_0
23 D	9.964	-2.0557E-04	118.7	49.82	118.7	62.91	UL-RL	6.3662E+04	-4.400	0.000	1.000	1.000	49.82	0.000	0.000	Strato1_2_8_L_0
24 D	10.55	-1.9725E-04	123.2	52.73	123.2	65.29	UL-RL	6.3662E+04	-4.600	0.000	1.000	1.000	52.73	0.000	0.000	Strato1_2_8_L_0
25 D	10.97	-1.8903E-04	126.2	54.84	126.2	66.88	UL-RL	6.3662E+04	-4.800	0.000	1.000	1.000	54.84	0.000	0.000	Strato1_2_8_L_0
26 D	11.57	-1.8091E-04	130.9	57.84	130.9	69.36	UL-RL	6.3662E+04	-5.000	0.000	1.000	1.000	57.84	0.000	0.000	Strato1_2_8_L_0
27 D	11.99	-1.7290E-04	133.9	59.97	133.9	70.97	UL-RL	6.3662E+04	-5.200	0.000	1.000	1.000	59.97	0.000	0.000	Strato1_2_8_L_0
28 D	12.58	-1.6502E-04	138.5	62.91	138.5	73.42	UL-RL	6.3662E+04	-5.400	0.000	1.000	1.000	62.91	0.000	0.000	Strato1_2_8_L_0
29 D	13.01	-1.5728E-04	141.6	65.05	141.6	75.06	UL-RL	6.3662E+04	-5.600	0.000	1.000	1.000	65.05	0.000	0.000	Strato1_2_8_L_0
30 D	13.59	-1.4972E-04	146.2	67.94	146.2	77.47	UL-RL	6.3662E+04	-5.800	0.000	1.000	1.000				

67.94	0.000	0.000	Strato1_2_8_L_0										
31 D	13.99	-1.4239E-04	149.1	69.97	149.1	79.04	UL-RL	6.3662E+04	-6.000	0.000	1.000	1.000	
69.97	0.000	0.000	Strato1_2_8_L_0										
32 D	10.50	-1.3535E-04	153.7	52.49	153.7	76.87	UL-RL	1.8009E+05	-6.200	0.000	1.000	1.000	
52.49	0.000	0.000	Strato2_3095_82743_L_0										
33 D	11.08	-1.2867E-04	157.1	55.39	157.1	78.56	UL-RL	1.8009E+05	-6.400	0.000	1.000	1.000	
55.39	0.000	0.000	Strato2_3095_82743_L_0										
34 D	11.77	-1.2240E-04	161.8	58.85	161.8	80.89	UL-RL	1.8009E+05	-6.600	0.000	1.000	1.000	
58.85	0.000	0.000	Strato2_3095_82743_L_0										
35 D	12.32	-1.1659E-04	165.2	61.61	165.2	82.60	UL-RL	1.8009E+05	-6.800	0.000	1.000	1.000	
61.61	0.000	0.000	Strato2_3095_82743_L_0										
36 D	12.98	-1.1124E-04	169.8	64.88	169.8	84.92	UL-RL	1.8009E+05	-7.000	0.000	1.000	1.000	
64.88	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.50	-1.0639E-04	173.3	67.48	173.3	86.64	UL-RL	1.8009E+05	-7.200	0.000	1.000	1.000	
67.48	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.11	-1.0201E-04	177.9	70.56	177.9	88.94	UL-RL	1.8009E+05	-7.400	0.000	1.000	1.000	
70.56	0.000	0.000	Strato2_3095_82743_L_0										
39 D	14.59	-9.8102E-05	181.2	72.93	181.2	90.60	UL-RL	1.8009E+05	-7.600	0.000	1.000	1.000	
72.93	0.000	0.000	Strato2_3095_82743_L_0										
40 D	15.17	-9.4651E-05	185.8	75.83	185.8	92.88	UL-RL	1.8009E+05	-7.800	0.000	1.000	1.000	
75.83	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.63	-9.1633E-05	189.3	78.13	189.3	94.63	UL-RL	1.8009E+05	-8.000	0.000	1.000	1.000	
78.13	0.000	0.000	Strato2_3095_82743_L_0										
42 D	16.17	-8.9020E-05	193.8	80.87	193.8	96.90	UL-RL	1.8009E+05	-8.200	0.000	1.000	1.000	
80.87	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.61	-8.6783E-05	197.3	83.04	197.3	98.67	UL-RL	1.8009E+05	-8.400	0.000	1.000	1.000	
83.04	0.000	0.000	Strato2_3095_82743_L_0										
44 D	17.13	-8.4892E-05	201.8	85.63	201.8	100.9	UL-RL	1.8009E+05	-8.600	0.000	1.000	1.000	
85.63	0.000	0.000	Strato2_3095_82743_L_0										
45 D	17.54	-8.3315E-05	205.4	87.69	205.4	102.7	UL-RL	1.8009E+05	-8.800	0.000	1.000	1.000	
87.69	0.000	0.000	Strato2_3095_82743_L_0										
46 D	18.02	-8.2019E-05	209.7	90.10	209.7	104.9	UL-RL	1.8009E+05	-9.000	0.000	1.000	1.000	
90.10	0.000	0.000	Strato2_3095_82743_L_0										
47 D	18.41	-8.0973E-05	213.3	92.07	213.3	106.7	UL-RL	1.8009E+05	-9.200	0.000	1.000	1.000	
92.07	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.89	-8.0146E-05	217.8	94.46	217.8	108.9	UL-RL	1.8009E+05	-9.400	0.000	1.000	1.000	
94.46	0.000	0.000	Strato2_3095_82743_L_0										
49 D	19.27	-7.9509E-05	221.4	96.36	221.4	110.7	UL-RL	1.8009E+05	-9.600	0.000	1.000	1.000	
96.36	0.000	0.000	Strato2_3095_82743_L_0										
50 D	19.73	-7.9035E-05	225.8	98.67	225.8	112.9	UL-RL	1.8009E+05	-9.800	0.000	1.000	1.000	
98.67	0.000	0.000	Strato2_3095_82743_L_0										
51 D	20.11	-7.8696E-05	229.4	100.5	229.4	114.7	UL-RL	1.8009E+05	-10.00	0.000	1.000	1.000	
100.5	0.000	0.000	Strato2_3095_82743_L_0										
52 D	20.56	-7.8470E-05	233.8	102.8	233.8	116.9	UL-RL	1.8009E+05	-10.20	0.000	1.000	1.000	
102.8	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.92	-7.8336E-05	237.5	104.6	237.5	118.7	UL-RL	1.8009E+05	-10.40	0.000	1.000	1.000	
104.6	0.000	0.000	Strato2_3095_82743_L_0										
54 D	21.36	-7.8273E-05	241.8	106.8	241.8	120.9	UL-RL	1.8009E+05	-10.60	0.000	1.000	1.000	
106.8	0.000	0.000	Strato2_3095_82743_L_0										
55 D	21.72	-7.8265E-05	245.4	108.6	245.4	122.7	UL-RL	1.8009E+05	-10.80	0.000	1.000	1.000	
108.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	22.16	-7.8297E-05	249.8	110.8	249.8	124.9	UL-RL	1.8009E+05	-11.00	0.000	1.000	1.000	
110.8	0.000	0.000	Strato2_3095_82743_L_0										
57 D	22.52	-7.8357E-05	253.4	112.6	253.4	126.7	UL-RL	1.8009E+05	-11.20	0.000	1.000	1.000	
112.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.96	-7.8436E-05	257.8	114.8	257.8	128.9	UL-RL	1.8009E+05	-11.40	0.000	1.000	1.000	
114.8	0.000	0.000	Strato2_3095_82743_L_0										
59 D	23.32	-7.8524E-05	261.5	116.6	261.5	130.7	UL-RL	1.8009E+05	-11.60	0.000	1.000	1.000	
116.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	23.75	-7.8617E-05	265.8	118.8	265.8	132.9	UL-RL	1.8009E+05	-11.80	0.000	1.000	1.000	
118.8	0.000	0.000	Strato2_3095_82743_L_0										
61 D	12.05	-7.8712E-05	269.4	120.5	269.4	134.7	UL-RL	1.8009E+05	-12.00	0.000	1.000	1.000	
120.5	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                        |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                  |
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New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.000	4.3612E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2	D	1.652	4.2408E-04	3.800	8.259	3.800	8.259	V-C	1.4726E+04	-0.2000	0.000	1.000	1.000	8.259	0.000	0.000	Strato1_2_8_L_0
3	D	2.019	4.1207E-04	7.600	10.10	7.600	10.10	V-C	1.4726E+04	-0.4000	0.000	1.000	1.000	10.10	0.000	0.000	Strato1_2_8_L_0
4	D	2.387	4.0009E-04	11.40	11.93	11.40	11.93	V-C	1.4726E+04	-0.6000	0.000	1.000	1.000	11.93	0.000	0.000	Strato1_2_8_L_0
5	D	2.754	3.8816E-04	15.20	13.77	15.20	13.77	V-C	1.4726E+04	-0.8000	0.000	1.000	1.000	13.77	0.000	0.000	Strato1_2_8_L_0
6	D	3.122	3.7633E-04	19.00	15.61	19.00	15.61	V-C	1.4726E+04	-1.000	0.000	1.000	1.000	15.61	0.000	0.000	Strato1_2_8_L_0
7	D	3.491	3.6460E-04	22.80	17.45	22.80	17.45	V-C	1.4726E+04	-1.200	0.000	1.000	1.000	17.45	0.000	0.000	Strato1_2_8_L_0
8	D	3.859	3.5301E-04	26.60	19.30	26.60	19.30	V-C	1.4726E+04	-1.400	0.000	1.000	1.000	19.30	0.000	0.000	Strato1_2_8_L_0
9	D	4.228	3.4158E-04	30.40	21.14	30.40	21.14	V-C	1.4726E+04	-1.600	0.000	1.000	1.000	21.14	0.000	0.000	Strato1_2_8_L_0
10	D	4.598	3.3035E-04	34.20	22.99	34.20	22.99	V-C	1.4726E+04	-1.800	0.000	1.000	1.000	22.99	0.000	0.000	Strato1_2_8_L_0
11	D	4.969	3.1934E-04	38.00	24.84	38.00	24.84	V-C	1.4726E+04	-2.000	0.000	1.000	1.000	24.84	0.000	0.000	Strato1_2_8_L_0
12	D	5.340	3.0856E-04	41.80	26.70	41.80	26.70	V-C	1.4726E+04	-2.200	0.000	1.000	1.000	26.70	0.000	0.000	Strato1_2_8_L_0
13	D	5.711	2.9803E-04	45.60	28.56	45.60	28.56	V-C	1.4726E+04	-2.400	0.000	1.000	1.000	28.56	0.000	0.000	Strato1_2_8_L_0
14	D	6.084	2.8777E-04	49.40	30.42	49.40	30.42	V-C	1.4726E+04	-2.600	0.000	1.000	1.000	30.42	0.000	0.000	Strato1_2_8_L_0
15	D	6.457	2.7777E-04	53.20	32.29	53.20	32.29	V-C	1.4726E+04	-2.800	0.000	1.000	1.000	32.29	0.000	0.000	Strato1_2_8_L_0
16	D	6.831	2.6802E-04	57.00	34.16	57.00	34.16	V-C	1.4726E+04	-3.000	0.000	1.000	1.000	34.16	0.000	0.000	Strato1_2_8_L_0
17	D	7.206	2.5851E-04	60.80	36.03	60.80	36.03	V-C	1.4726E+04	-3.200	0.000	1.000	1.000	36.03	0.000	0.000	Strato1_2_8_L_0
18	D	7.582	2.4924E-04	64.60	37.91	64.60	37.91	V-C	1.4726E+04	-3.400	0.000	1.000	1.000	37.91	0.000	0.000	Strato1_2_8_L_0
19	D	7.958	2.4017E-04	68.40	39.79	68.40	39.79	V-C	1.4726E+04	-3.600	0.000	1.000	1.000	39.79	0.000	0.000	Strato1_2_8_L_0
20	D	8.334	2.3129E-04	72.20	41.67	72.20	41.67	V-C	1.4726E+04	-3.800	0.000	1.000	1.000	41.67	0.000	0.000	Strato1_2_8_L_0
21	D	8.712	2.2258E-04	76.00	43.56	76.00	43.56	V-C	1.4726E+04	-4.000	0.000	1.000	1.000	43.56	0.000	0.000	Strato1_2_8_L_0
22	D	9.089	2.1401E-04	79.80	45.45	79.80	45.45	V-C	1.4726E+04	-4.200	0.000	1.000	1.000	45.45	0.000	0.000	Strato1_2_8_L_0
23	D	9.467	2.0557E-04	83.60	47.34	83.60	47.34	V-C	1.4726E+04	-4.400	0.000	1.000	1.000	47.34	0.000	0.000	Strato1_2_8_L_0
24	D	9.845	1.9725E-04	87.40	49.23	87.40	49.23	V-C	1.4726E+04	-4.600	0.000	1.000	1.000	49.23	0.000	0.000	Strato1_2_8_L_0
25	D	10.22	1.8903E-04	91.20	51.12	91.20	51.12	V-C	1.4726E+04	-4.800	0.000	1.000	1.000	51.12	0.000	0.000	Strato1_2_8_L_0
26	D	10.60	1.8091E-04	95.00	53.01	95.00	53.01	V-C	1.4726E+04	-5.000	0.000	1.000	1.000	53.01	0.000	0.000	Strato1_2_8_L_0
27	D	10.98	1.7290E-04	98.80	54.91	98.80	54.91	V-C	1.4726E+04	-5.200	0.000	1.000	1.000	54.91	0.000	0.000	Strato1_2_8_L_0
28	D	11.36	1.6502E-04	102.6	56.81	102.6	56.81	V-C	1.4726E+04	-5.400	0.000	1.000	1.000	56.81	0.000	0.000	Strato1_2_8_L_0
29	D	11.74	1.5728E-04	106.4	58.70	106.4	58.71	UL-RL	4.4178E+04	-5.600	0.000	1.000	1.000	58.70	0.000	0.000	Strato1_2_8_L_0
30	D	12.11	1.4972E-04	110.2	60.57	110.2	60.63	UL-RL	4.4178E+04	-5.800	0.000	1.000	1.000				

60.57	0.000	0.000	Strato1_2_8_L_0									
31 D	12.49	1.4239E-04	114.0	62.45	114.0	62.55	UL-RL	4.4178E+04	-6.000	0.000	1.000	1.000
62.45	0.000	0.000	Strato1_2_8_L_0									
32 D	12.63	1.3535E-04	117.9	63.17	117.9	63.44	UL-RL	9.7606E+04	-6.200	0.000	1.000	1.000
63.17	0.000	0.000	Strato2_3095_82743_L_0									
33 D	12.99	1.2867E-04	121.9	64.93	121.9	65.24	UL-RL	9.7606E+04	-6.400	0.000	1.000	1.000
64.93	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.34	1.2240E-04	125.9	66.71	125.9	67.04	UL-RL	9.7606E+04	-6.600	0.000	1.000	1.000
66.71	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.70	1.1659E-04	129.9	68.51	129.9	68.86	UL-RL	9.7606E+04	-6.800	0.000	1.000	1.000
68.51	0.000	0.000	Strato2_3095_82743_L_0									
36 D	14.07	1.1124E-04	133.9	70.33	133.9	70.69	UL-RL	9.7606E+04	-7.000	0.000	1.000	1.000
70.33	0.000	0.000	Strato2_3095_82743_L_0									
37 D	14.44	1.0639E-04	137.9	72.18	137.9	72.53	UL-RL	9.7606E+04	-7.200	0.000	1.000	1.000
72.18	0.000	0.000	Strato2_3095_82743_L_0									
38 D	14.81	1.0201E-04	141.9	74.04	141.9	74.38	UL-RL	9.7606E+04	-7.400	0.000	1.000	1.000
74.04	0.000	0.000	Strato2_3095_82743_L_0									
39 D	15.18	9.8102E-05	145.9	75.92	145.9	76.25	UL-RL	9.7606E+04	-7.600	0.000	1.000	1.000
75.92	0.000	0.000	Strato2_3095_82743_L_0									
40 D	15.56	9.4651E-05	149.9	77.82	149.9	78.13	UL-RL	9.7606E+04	-7.800	0.000	1.000	1.000
77.82	0.000	0.000	Strato2_3095_82743_L_0									
41 D	15.95	9.1633E-05	153.9	79.74	153.9	80.03	UL-RL	9.7606E+04	-8.000	0.000	1.000	1.000
79.74	0.000	0.000	Strato2_3095_82743_L_0									
42 D	16.33	8.9020E-05	157.9	81.67	157.9	81.94	UL-RL	9.7606E+04	-8.200	0.000	1.000	1.000
81.67	0.000	0.000	Strato2_3095_82743_L_0									
43 D	16.72	8.6783E-05	161.9	83.61	161.9	83.85	UL-RL	9.7606E+04	-8.400	0.000	1.000	1.000
83.61	0.000	0.000	Strato2_3095_82743_L_0									
44 D	17.11	8.4892E-05	165.9	85.57	165.9	85.78	UL-RL	9.7606E+04	-8.600	0.000	1.000	1.000
85.57	0.000	0.000	Strato2_3095_82743_L_0									
45 D	17.51	8.3315E-05	169.9	87.53	169.9	87.73	UL-RL	9.7606E+04	-8.800	0.000	1.000	1.000
87.53	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.90	8.2019E-05	173.9	89.51	173.9	89.68	UL-RL	9.7606E+04	-9.000	0.000	1.000	1.000
89.51	0.000	0.000	Strato2_3095_82743_L_0									
47 D	18.30	8.0973E-05	177.9	91.49	177.9	91.63	UL-RL	9.7606E+04	-9.200	0.000	1.000	1.000
91.49	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.69	8.0146E-05	181.9	93.47	181.9	93.60	UL-RL	9.7606E+04	-9.400	0.000	1.000	1.000
93.47	0.000	0.000	Strato2_3095_82743_L_0									
49 D	19.09	7.9509E-05	185.9	95.47	185.9	95.57	UL-RL	9.7606E+04	-9.600	0.000	1.000	1.000
95.47	0.000	0.000	Strato2_3095_82743_L_0									
50 D	19.49	7.9035E-05	189.9	97.47	189.9	97.55	UL-RL	9.7606E+04	-9.800	0.000	1.000	1.000
97.47	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.89	7.8696E-05	193.9	99.47	193.9	99.53	UL-RL	9.7606E+04	-10.00	0.000	1.000	1.000
99.47	0.000	0.000	Strato2_3095_82743_L_0									
52 D	20.29	7.8470E-05	197.9	101.5	197.9	101.5	UL-RL	9.7606E+04	-10.20	0.000	1.000	1.000
101.5	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.70	7.8336E-05	201.9	103.5	201.9	103.5	UL-RL	9.7606E+04	-10.40	0.000	1.000	1.000
103.5	0.000	0.000	Strato2_3095_82743_L_0									
54 D	21.10	7.8273E-05	205.9	105.5	205.9	105.5	UL-RL	9.7606E+04	-10.60	0.000	1.000	1.000
105.5	0.000	0.000	Strato2_3095_82743_L_0									
55 D	21.50	7.8265E-05	209.9	107.5	209.9	107.5	V-C	3.2535E+04	-10.80	0.000	1.000	1.000
107.5	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.90	7.8297E-05	213.9	109.5	213.9	109.5	V-C	3.2535E+04	-11.00	0.000	1.000	1.000
109.5	0.000	0.000	Strato2_3095_82743_L_0									
57 D	22.30	7.8357E-05	217.9	111.5	217.9	111.5	V-C	3.2535E+04	-11.20	0.000	1.000	1.000
111.5	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.70	7.8436E-05	221.9	113.5	221.9	113.5	UL-RL	9.7606E+04	-11.40	0.000	1.000	1.000
113.5	0.000	0.000	Strato2_3095_82743_L_0									
59 D	23.10	7.8524E-05	225.9	115.5	225.9	115.5	UL-RL	9.7606E+04	-11.60	0.000	1.000	1.000
115.5	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.50	7.8617E-05	229.9	117.5	229.9	117.5	UL-RL	9.7606E+04	-11.80	0.000	1.000	1.000
117.5	0.000	0.000	Strato2_3095_82743_L_0									
61 D	11.95	7.8712E-05	233.9	119.5	233.9	119.5	UL-RL	9.7606E+04	-12.00	0.000	1.000	1.000
119.5	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA           TB           MA           MB
-----------------------------------------------------
    1  1.5747      -1.5747    -2.07478E-12 0.31494
    2  2.1741      -2.1741     -0.31494     0.74976
    3  2.2731      -2.2731     -0.74976      1.2044
    4  2.7320      -2.7320      -1.2044      1.7508
    5  2.8072      -2.8072      -1.7508      2.3122
    6  3.0242      -3.0242      -2.3122      2.9171
    7  2.9239      -2.9239      -2.9171      3.5018
    8  2.8795      -2.8795      -3.5018      4.0777
    9  2.5153      -2.5153      -4.0777      4.5808
   10  2.1653      -2.1653      -4.5808      5.0139
   11  1.5639      -1.5639      -5.0139      5.3266
   12 0.94557    -0.94557      -5.3266      5.5157
   13 9.10382E-02-9.10382E-02 -5.5157      5.5339
   14-0.60680     0.60680      -5.5339      5.4126
   15 -1.2927      1.2927      -5.4126      5.1540
   16 -1.7105      1.7105      -5.1540      4.8119
   17 -2.1050      2.1050      -4.8119      4.3909
   18 -2.2162      2.2162      -4.3909      3.9477
   19 -2.2984      2.2984      -3.9477      3.4880
   20 -2.1186      2.1186      -3.4880      3.0643
   21 -1.9050      1.9050      -3.0643      2.6833
   22 -1.4467      1.4467      -2.6833      2.3940
   23-0.95005     0.95005      -2.3940      2.2039
   24-0.24844     0.24844      -2.2039      2.1543
   25 0.49643    -0.49643      -2.1543      2.2535
   26  1.4616      -1.4616      -2.2535      2.5459
   27  2.4587      -2.4587      -2.5459      3.0376
   28  3.6742      -3.6742      -3.0376      3.7724
   29  4.9442      -4.9442      -3.7724      4.7613
   30  6.4182      -6.4182      -4.7613      6.0449
   31  7.9222      -7.9222      -6.0449      7.6294
   32  5.7858      -5.7858      -7.6294      8.7865
   33  3.8777      -3.8777      -8.7865      9.5621
   34  2.3061      -2.3061      -9.5621      10.023
   35 0.92595    -0.92595      -10.023      10.208
   36-0.16402     0.16402      -10.208      10.176
   37 -1.1026      1.1026      -10.176      9.9551
   38 -1.7975      1.7975      -9.9551      9.5956
   39 -2.3953      2.3953      -9.5956      9.1166
   40 -2.7927      2.7927      -9.1166      8.5581
   41 -3.1138      3.1138      -8.5581      7.9353
   42 -3.2737      3.2737      -7.9353      7.2805
   43 -3.3887      3.3887      -7.2805      6.6028
   44 -3.3760      3.3760      -6.6028      5.9276
   45 -3.3445      3.3445      -5.9276      5.2587
   46 -3.2255      3.2255      -5.2587      4.6136
   47 -3.1080      3.1080      -4.6136      3.9920
   48 -2.9119      2.9119      -3.9920      3.4096
   49 -2.7329      2.7329      -3.4096      2.8630
   50 -2.4919      2.4919      -2.8630      2.3647
   51 -2.2788      2.2788      -2.3647      1.9089
   52 -2.0160      2.0160      -1.9089      1.5057
   53 -1.7879      1.7879      -1.5057      1.1481
   54 -1.5293      1.5293      -1.1481     0.84226
   55 -1.3082      1.3082     -0.84226     0.58062
   56 -1.0489      1.0489     -0.58062     0.37084
   57-0.82753     0.82753     -0.37084     0.20533
   58-0.57134     0.57134     -0.20533     9.10657E-02
   59-0.35318     0.35318     -9.10657E-02 2.04303E-02
   60-0.10215     0.10215     -2.04303E-02 7.22755E-14
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 564.3     REMNOR=0.1414E-21 RATIO =0.1644     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1644     RATIOR= 0.000
           MAX UN= 6.457     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.5436E-10 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 224.3     REMNOR=0.6370E-19 RATIO =0.1036     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1036     RATIOR= 0.000
           MAX UN= 7.542     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.1057E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM= 28.87     REMNOR=0.5980E-19 RATIO =0.3719E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.3719E-01 RATIOR= 0.000
           MAX UN= 3.701     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1951E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM=0.7112     REMNOR=0.2280E-19 RATIO =0.5837E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.5837E-02 RATIOR= 0.000
           MAX UN=0.7996     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.1434E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2088E+05 RIMNOR= 3223.
           RENORM=0.5718E-17 REMNOR=0.2415E-19 RATIO =0.1655E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 23.75     RMMAX = 10.21
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2088E+05 RDR   = 3223.
           RATIOT=0.1655E-10 RATIOR= 0.000
           MAX UN=0.1056E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.6797E-09 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.6899239E-03  -1.1249299E-03
    2   6.4649404E-03  -1.1248925E-03
    3   6.2399754E-03  -1.1247269E-03
    4   6.0150651E-03  -1.1243294E-03
    5   5.7902670E-03  -1.1235821E-03
    6   5.5656646E-03  -1.1223502E-03
    7   5.3413690E-03  -1.1204874E-03
    8   5.1175223E-03  -1.1178338E-03
    9   4.8942996E-03  -1.1142185E-03
   10   4.6719112E-03  -1.1094590E-03
   11   4.4506051E-03  -1.1033629E-03
   12   4.2306688E-03  -1.0957256E-03
   13   4.0124320E-03  -1.0863312E-03
   14   3.7962686E-03  -1.0749526E-03
   15   3.5825991E-03  -1.0613510E-03
   16   3.3718931E-03  -1.0452765E-03
   17   3.1646683E-03  -1.0265051E-03
   18   2.9614792E-03  -1.0049111E-03
   19   2.7628914E-03  -9.8050373E-04
   20   2.5694557E-03  -9.5342658E-04
   21   2.3816844E-03  -9.2389542E-04
   22   2.2000465E-03  -8.9212890E-04
   23   2.0249675E-03  -8.5834229E-04
   24   1.8568301E-03  -8.2274780E-04
   25   1.6959749E-03  -7.8555542E-04
   26   1.5427006E-03  -7.4697326E-04
   27   1.3972652E-03  -7.0720795E-04
   28   1.2598834E-03  -6.6646415E-04
   29   1.1307312E-03  -6.2494638E-04
   30   1.0099429E-03  -5.8285859E-04
   31   8.9761238E-04  -5.4040095E-04
   32   7.9379574E-04  -4.9775227E-04
   33   6.9850349E-04  -4.5523125E-04
   34   6.1166300E-04  -4.1331373E-04
   35   5.3310741E-04  -3.7245493E-04
   36   4.6258372E-04  -3.3305580E-04
   37   3.9976630E-04  -2.9544316E-04
   38   3.4427089E-04  -2.5986881E-04
   39   2.9567062E-04  -2.2651688E-04
   40   2.5350770E-04  -1.9551151E-04
   41   2.1730477E-04  -1.6692479E-04
   42   1.8657475E-04  -1.4078353E-04
   43   1.6082911E-04  -1.1707594E-04
   44   1.3958510E-04  -9.5757583E-05
   45   1.2237164E-04  -7.6757052E-05
   46   1.0873410E-04  -5.9980481E-05
   47   9.8238582E-05  -4.5316873E-05
   48   9.0474798E-05  -3.2641545E-05
   49   8.5058421E-05  -2.1819370E-05
   50   8.1633030E-05  -1.2707723E-05
   51   7.9871165E-05  -5.1588524E-06
   52   7.9475344E-05   9.7790104E-07
   53   8.0178204E-05   5.8537124E-06
   54   8.1742878E-05   9.6206719E-06
   55   8.3962514E-05   1.2428251E-05
   56   8.6660036E-05   1.4423697E-05
   57   8.9687475E-05   1.5751383E-05
   58   9.2925478E-05   1.6552404E-05
   59   9.6282491E-05   1.6964236E-05
   60   9.9694140E-05   1.7120583E-05
   61   1.0312252E-04   1.7151253E-05
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                   NewProject.BaseDesignSection_28.SLERara_3454                            |
|                                Exe Time :29 July 2019      18:02:25                                       |
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New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :

ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61

C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.575	-6.6899E-03	51.80	15.75	51.80	27.45	ACTIVE	0.000	0.000	0.000	1.000	1.000	15.75	0.000	0.000	Strato1_2_8_L_0
2 D	2.251	-6.4649E-03	37.03	11.26	37.03	19.62	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.26	0.000	0.000	Strato1_2_8_L_0
3 D	2.118	-6.2400E-03	34.84	10.59	34.84	18.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.59	0.000	0.000	Strato1_2_8_L_0
4 D	2.846	-6.0151E-03	46.80	14.23	46.80	24.81	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.23	0.000	0.000	Strato1_2_8_L_0
5 D	2.830	-5.7903E-03	46.54	14.15	46.54	24.67	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.15	0.000	0.000	Strato1_2_8_L_0
6 D	3.339	-5.5657E-03	54.92	16.70	54.92	29.11	ACTIVE	0.000	-1.000	0.000	1.000	1.000	16.70	0.000	0.000	Strato1_2_8_L_0
7 D	3.390	-5.3414E-03	55.76	16.95	55.76	29.55	ACTIVE	0.000	-1.200	0.000	1.000	1.000	16.95	0.000	0.000	Strato1_2_8_L_0
8 D	3.815	-5.1175E-03	62.75	19.07	62.75	33.25	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.07	0.000	0.000	Strato1_2_8_L_0
9 D	3.864	-4.8943E-03	63.56	19.32	63.56	33.68	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.32	0.000	0.000	Strato1_2_8_L_0
10 D	4.248	-4.6719E-03	69.87	21.24	69.87	37.03	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.24	0.000	0.000	Strato1_2_8_L_0
11 D	4.367	-4.4506E-03	71.83	21.84	71.83	38.07	ACTIVE	0.000	-2.000	0.000	1.000	1.000	21.84	0.000	0.000	Strato1_2_8_L_0
12 D	4.721	-4.2307E-03	77.65	23.61	77.65	41.16	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.61	0.000	0.000	Strato1_2_8_L_0
13 D	4.857	-4.0124E-03	79.88	24.28	79.88	42.34	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.28	0.000	0.000	Strato1_2_8_L_0
14 D	5.191	-3.7963E-03	85.38	25.96	85.38	45.25	ACTIVE	0.000	-2.600	0.000	1.000	1.000	25.96	0.000	0.000	Strato1_2_8_L_0
15 D	5.339	-3.5826E-03	87.81	26.69	87.81	46.54	ACTIVE	0.000	-2.800	0.000	1.000	1.000	26.69	0.000	0.000	Strato1_2_8_L_0
16 D	5.636	-3.3719E-03	92.70	28.18	92.70	49.13	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.18	0.000	0.000	Strato1_2_8_L_0
17 D	5.795	-3.1647E-03	95.31	28.98	95.31	50.52	ACTIVE	0.000	-3.200	0.000	1.000	1.000	28.98	0.000	0.000	Strato1_2_8_L_0
18 D	6.105	-2.9615E-03	100.4	30.53	100.4	53.22	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.53	0.000	0.000	Strato1_2_8_L_0
19 D	6.271	-2.7629E-03	103.1	31.36	103.1	54.67	ACTIVE	0.000	-3.600	0.000	1.000	1.000	31.36	0.000	0.000	Strato1_2_8_L_0
20 D	6.573	-2.5695E-03	108.1	32.86	108.1	57.30	ACTIVE	0.000	-3.800	0.000	1.000	1.000	32.86	0.000	0.000	Strato1_2_8_L_0
21 D	6.745	-2.3817E-03	110.9	33.72	110.9	58.80	ACTIVE	0.000	-4.000	0.000	1.000	1.000	33.72	0.000	0.000	Strato1_2_8_L_0
22 D	7.039	-2.2000E-03	115.8	35.20	115.8	61.36	ACTIVE	0.000	-4.200	0.000	1.000	1.000	35.20	0.000	0.000	Strato1_2_8_L_0
23 D	7.216	-2.0250E-03	118.7	36.08	118.7	62.91	ACTIVE	0.000	-4.400	0.000	1.000	1.000	36.08	0.000	0.000	Strato1_2_8_L_0
24 D	7.490	-1.8568E-03	123.2	37.45	123.2	65.29	ACTIVE	0.000	-4.600	0.000	1.000	1.000	37.45	0.000	0.000	Strato1_2_8_L_0
25 D	7.672	-1.6960E-03	126.2	38.36	126.2	66.88	ACTIVE	0.000	-4.800	0.000	1.000	1.000	38.36	0.000	0.000	Strato1_2_8_L_0
26 D	7.956	-1.5427E-03	130.9	39.78	130.9	69.36	ACTIVE	0.000	-5.000	0.000	1.000	1.000	39.78	0.000	0.000	Strato1_2_8_L_0
27 D	8.142	-1.3973E-03	133.9	40.71	133.9	70.97	ACTIVE	0.000	-5.200	0.000	1.000	1.000	40.71	0.000	0.000	Strato1_2_8_L_0
28 D	8.422	-1.2599E-03	138.5	42.11	138.5	73.42	ACTIVE	0.000	-5.400	0.000	1.000	1.000	42.11	0.000	0.000	Strato1_2_8_L_0
29 D	8.611	-1.1307E-03	141.6	43.05	141.6	75.06	ACTIVE	0.000	-5.600	0.000	1.000	1.000	43.05	0.000	0.000	Strato1_2_8_L_0
30 D	9.056	-1.0099E-03	146.2	45.28	146.2	77.47	UL-RL	2.6343E+04	-5.800	0.000	1.000	1.000				

45.28	0.000	0.000	Strato1_2_8_L_0									
31 D	10.02	-8.9761E-04	149.1	50.08	149.1	79.04	UL-RL	2.6343E+04	-6.000	0.000	1.000	1.000
50.08	0.000	0.000	Strato1_2_8_L_0									
32 D	3.347	-7.9380E-04	153.7	16.74	153.7	76.87	ACTIVE	0.000	-6.200	0.000	1.000	1.000
16.74	0.000	0.000	Strato2_3095_82743_L_0									
33 D	3.507	-6.9850E-04	157.1	17.53	157.1	78.56	ACTIVE	0.000	-6.400	0.000	1.000	1.000
17.53	0.000	0.000	Strato2_3095_82743_L_0									
34 D	4.478	-6.1166E-04	161.8	22.39	161.8	80.89	UL-RL	7.4521E+04	-6.600	0.000	1.000	1.000
22.39	0.000	0.000	Strato2_3095_82743_L_0									
35 D	6.114	-5.3311E-04	165.2	30.57	165.2	82.60	UL-RL	7.4521E+04	-6.800	0.000	1.000	1.000
30.57	0.000	0.000	Strato2_3095_82743_L_0									
36 D	7.740	-4.6258E-04	169.8	38.70	169.8	84.92	UL-RL	7.4521E+04	-7.000	0.000	1.000	1.000
38.70	0.000	0.000	Strato2_3095_82743_L_0									
37 D	9.124	-3.9977E-04	173.3	45.62	173.3	86.64	UL-RL	7.4521E+04	-7.200	0.000	1.000	1.000
45.62	0.000	0.000	Strato2_3095_82743_L_0									
38 D	10.50	-3.4427E-04	177.9	52.51	177.9	88.94	UL-RL	7.4521E+04	-7.400	0.000	1.000	1.000
52.51	0.000	0.000	Strato2_3095_82743_L_0									
39 D	11.64	-2.9567E-04	181.2	58.21	181.2	90.60	UL-RL	7.4521E+04	-7.600	0.000	1.000	1.000
58.21	0.000	0.000	Strato2_3095_82743_L_0									
40 D	12.80	-2.5351E-04	185.8	64.00	185.8	92.88	UL-RL	7.4521E+04	-7.800	0.000	1.000	1.000
64.00	0.000	0.000	Strato2_3095_82743_L_0									
41 D	13.75	-2.1730E-04	189.3	68.77	189.3	94.63	UL-RL	7.4521E+04	-8.000	0.000	1.000	1.000
68.77	0.000	0.000	Strato2_3095_82743_L_0									
42 D	14.72	-1.8657E-04	193.8	73.60	193.8	96.90	UL-RL	7.4521E+04	-8.200	0.000	1.000	1.000
73.60	0.000	0.000	Strato2_3095_82743_L_0									
43 D	15.50	-1.6083E-04	197.3	77.52	197.3	98.67	UL-RL	7.4521E+04	-8.400	0.000	1.000	1.000
77.52	0.000	0.000	Strato2_3095_82743_L_0									
44 D	16.31	-1.3959E-04	201.8	81.55	201.8	100.9	UL-RL	7.4521E+04	-8.600	0.000	1.000	1.000
81.55	0.000	0.000	Strato2_3095_82743_L_0									
45 D	16.96	-1.2237E-04	205.4	84.78	205.4	102.7	UL-RL	7.4521E+04	-8.800	0.000	1.000	1.000
84.78	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.62	-1.0873E-04	209.7	88.11	209.7	104.9	UL-RL	7.4521E+04	-9.000	0.000	1.000	1.000
88.11	0.000	0.000	Strato2_3095_82743_L_0									
47 D	18.16	-9.8239E-05	213.3	90.79	213.3	106.7	UL-RL	7.4521E+04	-9.200	0.000	1.000	1.000
90.79	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.74	-9.0475E-05	217.8	93.69	217.8	108.9	UL-RL	7.4521E+04	-9.400	0.000	1.000	1.000
93.69	0.000	0.000	Strato2_3095_82743_L_0									
49 D	19.19	-8.5058E-05	221.4	95.95	221.4	110.7	UL-RL	7.4521E+04	-9.600	0.000	1.000	1.000
95.95	0.000	0.000	Strato2_3095_82743_L_0									
50 D	19.70	-8.1633E-05	225.8	98.48	225.8	112.9	UL-RL	7.4521E+04	-9.800	0.000	1.000	1.000
98.48	0.000	0.000	Strato2_3095_82743_L_0									
51 D	20.09	-7.9871E-05	229.4	100.4	229.4	114.7	UL-RL	7.4521E+04	-10.00	0.000	1.000	1.000
100.4	0.000	0.000	Strato2_3095_82743_L_0									
52 D	20.54	-7.9475E-05	233.8	102.7	233.8	116.9	UL-RL	7.4521E+04	-10.20	0.000	1.000	1.000
102.7	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.90	-8.0178E-05	237.5	104.5	237.5	118.7	UL-RL	7.4521E+04	-10.40	0.000	1.000	1.000
104.5	0.000	0.000	Strato2_3095_82743_L_0									
54 D	21.31	-8.1743E-05	241.8	106.5	241.8	120.9	UL-RL	7.4521E+04	-10.60	0.000	1.000	1.000
106.5	0.000	0.000	Strato2_3095_82743_L_0									
55 D	21.64	-8.3963E-05	245.4	108.2	245.4	122.7	UL-RL	7.4521E+04	-10.80	0.000	1.000	1.000
108.2	0.000	0.000	Strato2_3095_82743_L_0									
56 D	22.03	-8.6660E-05	249.8	110.2	249.8	124.9	UL-RL	7.4521E+04	-11.00	0.000	1.000	1.000
110.2	0.000	0.000	Strato2_3095_82743_L_0									
57 D	22.35	-8.9687E-05	253.4	111.8	253.4	126.7	UL-RL	7.4521E+04	-11.20	0.000	1.000	1.000
111.8	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.74	-9.2925E-05	257.8	113.7	257.8	128.9	UL-RL	7.4521E+04	-11.40	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
59 D	23.05	-9.6282E-05	261.5	115.3	261.5	130.7	UL-RL	7.4521E+04	-11.60	0.000	1.000	1.000
115.3	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.44	-9.9694E-05	265.8	117.2	265.8	132.9	UL-RL	7.4521E+04	-11.80	0.000	1.000	1.000
117.2	0.000	0.000	Strato2_3095_82743_L_0									
61 D	11.87	-1.0312E-04	269.4	118.7	269.4	134.7	UL-RL	7.4521E+04	-12.00	0.000	1.000	1.000
118.7	0.000	0.000	Strato2_3095_82743_L_0									

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|                 PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                  NewProject.BaseDesignSection_28.SLERara_3454                             |
|                               Exe Time :29 July 2019      18:02:25                                        |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16 D	1.536	3.3719E-03	1.900	7.678	57.00	34.16	PASSIVE	0.000	-3.000	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
17 D	4.607	3.1647E-03	5.700	23.03	60.80	36.03	PASSIVE	0.000	-3.200	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
18 D	7.678	2.9615E-03	9.500	38.39	64.60	38.39	PASSIVE	0.000	-3.400	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
19 D	10.75	2.7629E-03	13.30	53.75	68.40	53.75	PASSIVE	0.000	-3.600	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
20 D	11.18	2.5695E-03	17.10	55.92	72.20	55.92	V-C	6094.	-3.800	0.000	1.000	1.000	55.92	0.000	0.000	Strato1_2_8_L_0
21 D	11.34	2.3817E-03	20.90	56.71	76.00	56.71	V-C	6094.	-4.000	0.000	1.000	1.000	56.71	0.000	0.000	Strato1_2_8_L_0
22 D	11.51	2.2000E-03	24.70	57.55	79.80	57.55	V-C	6094.	-4.200	0.000	1.000	1.000	57.55	0.000	0.000	Strato1_2_8_L_0
23 D	11.68	2.0250E-03	28.50	58.42	83.60	58.42	V-C	6094.	-4.400	0.000	1.000	1.000	58.42	0.000	0.000	Strato1_2_8_L_0
24 D	11.87	1.8568E-03	32.30	59.34	87.40	59.34	V-C	6094.	-4.600	0.000	1.000	1.000	59.34	0.000	0.000	Strato1_2_8_L_0
25 D	12.06	1.6960E-03	36.10	60.30	91.20	60.30	V-C	6094.	-4.800	0.000	1.000	1.000	60.30	0.000	0.000	Strato1_2_8_L_0
26 D	12.26	1.5427E-03	39.90	61.31	95.00	61.31	V-C	6094.	-5.000	0.000	1.000	1.000	61.31	0.000	0.000	Strato1_2_8_L_0
27 D	12.47	1.3973E-03	43.70	62.37	98.80	62.37	V-C	6094.	-5.200	0.000	1.000	1.000	62.37	0.000	0.000	Strato1_2_8_L_0
28 D	12.70	1.2599E-03	47.50	63.48	102.6	63.48	V-C	6094.	-5.400	0.000	1.000	1.000	63.48	0.000	0.000	Strato1_2_8_L_0
29 D	12.93	1.1307E-03	51.30	64.64	106.4	64.64	V-C	6094.	-5.600	0.000	1.000	1.000	64.64	0.000	0.000	Strato1_2_8_L_0
30 D	13.17	1.0099E-03	55.10	65.85	110.2	65.85	V-C	6094.	-5.800	0.000	1.000	1.000				

65.85	0.000	0.000	Strato1_2_8_L_0									
31 D	13.42	8.9761E-04	58.90	67.12	114.0	67.12	V-C	6094.	-6.000	0.000	1.000	1.000
67.12	0.000	0.000	Strato1_2_8_L_0									
32 D	13.38	7.9380E-04	62.80	66.91	117.9	66.91	V-C	1.3463E+04	-6.200	0.000	1.000	1.000
66.91	0.000	0.000	Strato2_3095_82743_L_0									
33 D	13.51	6.9850E-04	66.80	67.53	121.9	67.53	V-C	1.3463E+04	-6.400	0.000	1.000	1.000
67.53	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.65	6.1166E-04	70.80	68.27	125.9	68.27	V-C	1.3463E+04	-6.600	0.000	1.000	1.000
68.27	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.83	5.3311E-04	74.80	69.13	129.9	69.13	V-C	1.3463E+04	-6.800	0.000	1.000	1.000
69.13	0.000	0.000	Strato2_3095_82743_L_0									
36 D	13.79	4.6258E-04	78.80	68.93	133.9	70.69	UL-RL	4.0389E+04	-7.000	0.000	1.000	1.000
68.93	0.000	0.000	Strato2_3095_82743_L_0									
37 D	13.70	3.9977E-04	82.80	68.50	137.9	72.53	UL-RL	4.0389E+04	-7.200	0.000	1.000	1.000
68.50	0.000	0.000	Strato2_3095_82743_L_0									
38 D	13.67	3.4427E-04	86.80	68.36	141.9	74.38	UL-RL	4.0389E+04	-7.400	0.000	1.000	1.000
68.36	0.000	0.000	Strato2_3095_82743_L_0									
39 D	13.70	2.9567E-04	90.80	68.50	145.9	76.25	UL-RL	4.0389E+04	-7.600	0.000	1.000	1.000
68.50	0.000	0.000	Strato2_3095_82743_L_0									
40 D	13.78	2.5351E-04	94.80	68.89	149.9	78.13	UL-RL	4.0389E+04	-7.800	0.000	1.000	1.000
68.89	0.000	0.000	Strato2_3095_82743_L_0									
41 D	13.90	2.1730E-04	98.80	69.52	153.9	80.03	UL-RL	4.0389E+04	-8.000	0.000	1.000	1.000
69.52	0.000	0.000	Strato2_3095_82743_L_0									
42 D	14.07	1.8657E-04	102.8	70.36	157.9	81.94	UL-RL	4.0389E+04	-8.200	0.000	1.000	1.000
70.36	0.000	0.000	Strato2_3095_82743_L_0									
43 D	14.28	1.6083E-04	106.8	71.40	161.9	83.85	UL-RL	4.0389E+04	-8.400	0.000	1.000	1.000
71.40	0.000	0.000	Strato2_3095_82743_L_0									
44 D	14.52	1.3959E-04	110.8	72.61	165.9	85.78	UL-RL	4.0389E+04	-8.600	0.000	1.000	1.000
72.61	0.000	0.000	Strato2_3095_82743_L_0									
45 D	14.80	1.2237E-04	114.8	73.99	169.9	87.73	UL-RL	4.0389E+04	-8.800	0.000	1.000	1.000
73.99	0.000	0.000	Strato2_3095_82743_L_0									
46 D	15.10	1.0873E-04	118.8	75.50	173.9	89.68	UL-RL	4.0389E+04	-9.000	0.000	1.000	1.000
75.50	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.43	9.8239E-05	122.8	77.14	177.9	91.63	UL-RL	4.0389E+04	-9.200	0.000	1.000	1.000
77.14	0.000	0.000	Strato2_3095_82743_L_0									
48 D	15.78	9.0475E-05	126.8	78.88	181.9	93.60	UL-RL	4.0389E+04	-9.400	0.000	1.000	1.000
78.88	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.14	8.5058E-05	130.8	80.71	185.9	95.57	UL-RL	4.0389E+04	-9.600	0.000	1.000	1.000
80.71	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.52	8.1633E-05	134.8	82.62	189.9	97.55	UL-RL	4.0389E+04	-9.800	0.000	1.000	1.000
82.62	0.000	0.000	Strato2_3095_82743_L_0									
51 D	16.92	7.9871E-05	138.8	84.59	193.9	99.53	UL-RL	4.0389E+04	-10.00	0.000	1.000	1.000
84.59	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.32	7.9475E-05	142.8	86.62	197.9	101.5	UL-RL	4.0389E+04	-10.20	0.000	1.000	1.000
86.62	0.000	0.000	Strato2_3095_82743_L_0									
53 D	17.74	8.0178E-05	146.8	88.69	201.9	103.5	UL-RL	4.0389E+04	-10.40	0.000	1.000	1.000
88.69	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.16	8.1743E-05	150.8	90.79	205.9	105.5	UL-RL	4.0389E+04	-10.60	0.000	1.000	1.000
90.79	0.000	0.000	Strato2_3095_82743_L_0									
55 D	18.58	8.3963E-05	154.8	92.90	209.9	107.5	UL-RL	4.0389E+04	-10.80	0.000	1.000	1.000
92.90	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.01	8.6660E-05	158.8	95.04	213.9	109.5	UL-RL	4.0389E+04	-11.00	0.000	1.000	1.000
95.04	0.000	0.000	Strato2_3095_82743_L_0									
57 D	19.44	8.9687E-05	162.8	97.18	217.9	111.5	UL-RL	4.0389E+04	-11.20	0.000	1.000	1.000
97.18	0.000	0.000	Strato2_3095_82743_L_0									
58 D	19.87	9.2925E-05	166.8	99.33	221.9	113.5	UL-RL	4.0389E+04	-11.40	0.000	1.000	1.000
99.33	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.30	9.6282E-05	170.8	101.5	225.9	115.5	UL-RL	4.0389E+04	-11.60	0.000	1.000	1.000
101.5	0.000	0.000	Strato2_3095_82743_L_0									
60 D	20.73	9.9694E-05	174.8	103.6	229.9	117.5	UL-RL	4.0389E+04	-11.80	0.000	1.000	1.000
103.6	0.000	0.000	Strato2_3095_82743_L_0									
61 D	10.58	1.0312E-04	178.8	105.8	233.9	119.5	UL-RL	4.0389E+04	-12.00	0.000	1.000	1.000
105.8	0.000	0.000	Strato2_3095_82743_L_0									

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.SLERara_3454                                     |
|                                    Exe Time :29 July 2019      18:02:25                                                 |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.5747     -1.5747     5.70353E-11 0.31494
    2  3.8259     -3.8259    -0.31494     1.0801
    3  5.9441     -5.9441     -1.0801     2.2689
    4  8.7898     -8.7898     -2.2689     4.0269
    5  11.619     -11.619     -4.0269     6.3508
    6  14.959     -14.959     -6.3508     9.3425
    7  18.349     -18.349     -9.3425     13.012
    8  22.164     -22.164     -13.012     17.445
    9  26.028     -26.028     -17.445     22.651
   10  30.276     -30.276     -22.651     28.706
   11  34.643     -34.643     -28.706     35.635
   12  39.365     -39.365     -35.635     43.508
   13  44.222     -44.222     -43.508     52.352
   14  49.413     -49.413     -52.352     62.235
   15  54.752     -54.752     -62.235     73.185
   16  58.852     -58.852     -73.185     84.955
   17  60.040     -60.040     -84.955     96.963
   18  58.468     -58.468     -96.963     108.66
   19  53.990     -53.990     -108.66     119.45
   20  49.379     -49.379     -119.45     129.33
   21  44.781     -44.781     -129.33     138.29
   22  40.310     -40.310     -138.29     146.35
   23  35.842     -35.842     -146.35     153.52
   24  31.465     -31.465     -153.52     159.81
   25  27.076     -27.076     -159.81     165.23
   26  22.770     -22.770     -165.23     169.78
   27  18.438     -18.438     -169.78     173.47
   28  14.164     -14.164     -173.47     176.30
   29  9.8467     -9.8467     -176.30     178.27
   30  5.7321     -5.7321     -178.27     179.42
   31  2.3240     -2.3240     -179.42     179.88
   32 -7.7105      7.7105     -179.88     178.34
   33 -17.710      17.710     -178.34     174.80
   34 -26.886      26.886     -174.80     169.42
   35 -34.599      34.599     -169.42     162.50
   36 -40.645      40.645     -162.50     154.37
   37 -45.222      45.222     -154.37     145.33
   38 -48.392      48.392     -145.33     135.65
   39 -50.450      50.450     -135.65     125.56
   40 -51.430      51.430     -125.56     115.27
   41 -51.580      51.580     -115.27     104.96
   42 -50.932      50.932     -104.96     94.769
   43 -49.708      49.708     -94.769     84.828
   44 -47.921      47.921     -84.828     75.243
   45 -45.763      45.763     -75.243     66.091
   46 -43.241      43.241     -66.091     57.443
   47 -40.511      40.511     -57.443     49.341
   48 -37.549      37.549     -49.341     41.831
   49 -34.501      34.501     -41.831     34.931
   50 -31.329      31.329     -34.931     28.665
   51 -28.158      28.158     -28.665     23.033
   52 -24.939      24.939     -23.033     18.045
   53 -21.780      21.780     -18.045     13.689
   54 -18.632      18.632     -13.689     9.9631
   55 -15.577      15.577     -9.9631     6.8476
   56 -12.550      12.550     -6.8476     4.3375
   57 -9.6340      9.6340     -4.3375     2.4107
   58 -6.7596      6.7596     -2.4107     1.0588
   59 -4.0021      4.0021     -1.0588     0.25836
   60 -1.2917      1.2917    -0.25836     4.23994E-13
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM= 8234.     REMNOR=0.2415E-19 RATIO =0.2188     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.2188     RATIOR= 0.000
           MAX UN=0.1056E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM= 7.076     REMNOR=0.2471E-19 RATIO =0.6415E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.6415E-02 RATIOR= 0.000
           MAX UN=0.1053E-08 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-1.392     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM=0.1179     REMNOR=0.4187E-19 RATIO =0.8281E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.8281E-03 RATIOR= 0.000
           MAX UN=0.9759E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.3370     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1720E+06 RIMNOR=0.1275E+07
           RENORM=0.9106E-17 REMNOR=0.2291E-19 RATIO =0.7277E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 179.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1720E+06 RDR   =0.1275E+07
           RATIOT=0.7277E-11 RATIOR= 0.000
           MAX UN=0.1244E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.9754E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.7401910E-03  -1.0144992E-03
    2   5.5372962E-03  -1.0144234E-03
    3   5.3344397E-03  -1.0140777E-03
    4   5.1316986E-03  -1.0132304E-03
    5   4.9291977E-03  -1.0116306E-03
    6   4.7271148E-03  -1.0090042E-03
    7   4.5256838E-03  -1.0050611E-03
    8   4.3251986E-03  -9.9949364E-04
    9   4.1260161E-03  -9.9197877E-04
   10   3.9285595E-03  -9.8217882E-04
   11   3.7333204E-03  -9.6974272E-04
   12   3.5408626E-03  -9.5430369E-04
   13   3.3518245E-03  -9.3548035E-04
   14   3.1667787E-03  -9.1503256E-04
   15   2.9858028E-03  -8.9471459E-04
   16   2.8089111E-03  -8.7412306E-04
   17   2.6361987E-03  -8.5285510E-04
   18   2.4678370E-03  -8.3056906E-04
   19   2.3040528E-03  -8.0705751E-04
   20   2.1450996E-03  -7.8226227E-04
   21   1.9912315E-03  -7.5621199E-04
   22   1.8426954E-03  -7.2895265E-04
   23   1.6997273E-03  -7.0054112E-04
   24   1.5625512E-03  -6.7104494E-04
   25   1.4313764E-03  -6.4054288E-04
   26   1.3063951E-03  -6.0912462E-04
   27   1.1877815E-03  -5.7689062E-04
   28   1.0756865E-03  -5.4395116E-04
   29   9.7023998E-04  -5.1042732E-04
   30   8.7154583E-04  -4.7645001E-04
   31   7.7968109E-04  -4.4215609E-04
   32   6.9469663E-04  -4.0767000E-04
   33   6.1661035E-04  -3.7323148E-04
   34   5.4537573E-04  -3.3921757E-04
   35   4.8087005E-04  -3.0600265E-04
   36   4.2289898E-04  -2.7392301E-04
   37   3.7120698E-04  -2.4325526E-04
   38   3.2548871E-04  -2.1421406E-04
   39   2.8540236E-04  -1.8695767E-04
   40   2.5057943E-04  -1.6159437E-04
   41   2.2063408E-04  -1.3818905E-04
   42   1.9517148E-04  -1.1676876E-04
   43   1.7379460E-04  -9.7328196E-05
   44   1.5611039E-04  -7.9834689E-05
   45   1.4173468E-04  -6.4232910E-05
   46   1.3029614E-04  -5.0448606E-05
   47   1.2143998E-04  -3.8393090E-05
   48   1.1483033E-04  -2.7966102E-05
   49   1.1015225E-04  -1.9058463E-05
   50   1.0711338E-04  -1.1554519E-05
   51   1.0544489E-04  -5.3341275E-06
   52   1.0490234E-04  -2.7450006E-07
   53   1.0526589E-04   3.7478041E-06
   54   1.0634059E-04   6.8571992E-06
   55   1.0795607E-04   9.1760968E-06
   56   1.0996638E-04   1.0825232E-05
   57   1.1224942E-04   1.1923173E-05
   58   1.1470664E-04   1.2585987E-05
   59   1.1726236E-04   1.2926959E-05
   60   1.1986332E-04   1.3056461E-05
   61   1.2247813E-04   1.3081849E-05
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                           |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                           |
|                                 Exe Time :29 July 2019      18:02:25                                      |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S       4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	3.189	-5.7402E-03	51.80	31.89	51.80	31.89	V-C	8781.	0.000	0.000	1.000	1.000	31.89	0.000	0.000	Strato1_2_8_L_0
2	D	4.996	-5.5373E-03	37.03	24.98	37.03	24.98	V-C	8781.	-0.2000	0.000	1.000	1.000	24.98	0.000	0.000	Strato1_2_8_L_0
3	D	4.758	-5.3344E-03	34.84	23.79	34.84	23.79	V-C	8781.	-0.4000	0.000	1.000	1.000	23.79	0.000	0.000	Strato1_2_8_L_0
4	D	5.807	-5.1317E-03	46.80	29.04	46.80	29.04	V-C	8781.	-0.6000	0.000	1.000	1.000	29.04	0.000	0.000	Strato1_2_8_L_0
5	D	5.744	-4.9292E-03	46.54	28.72	46.54	28.72	V-C	8781.	-0.8000	0.000	1.000	1.000	28.72	0.000	0.000	Strato1_2_8_L_0
6	D	6.467	-4.7271E-03	54.92	32.34	54.92	32.34	V-C	8781.	-1.000	0.000	1.000	1.000	32.34	0.000	0.000	Strato1_2_8_L_0
7	D	6.503	-4.5257E-03	55.76	32.52	55.76	32.52	V-C	8781.	-1.200	0.000	1.000	1.000	32.52	0.000	0.000	Strato1_2_8_L_0
8	D	7.097	-4.3252E-03	62.75	35.49	62.75	35.49	V-C	8781.	-1.400	0.000	1.000	1.000	35.49	0.000	0.000	Strato1_2_8_L_0
9	D	7.129	-4.1260E-03	63.56	35.64	63.56	35.64	V-C	8781.	-1.600	0.000	1.000	1.000	35.64	0.000	0.000	Strato1_2_8_L_0
10	D	7.659	-3.9286E-03	69.87	38.29	69.87	38.29	V-C	8781.	-1.800	0.000	1.000	1.000	38.29	0.000	0.000	Strato1_2_8_L_0
11	D	7.791	-3.7333E-03	71.83	38.96	71.83	38.96	V-C	8781.	-2.000	0.000	1.000	1.000	38.96	0.000	0.000	Strato1_2_8_L_0
12	D	8.273	-3.5409E-03	77.65	41.36	77.65	41.36	V-C	8781.	-2.200	0.000	1.000	1.000	41.36	0.000	0.000	Strato1_2_8_L_0
13	D	8.337	-3.3518E-03	79.88	41.69	79.88	42.34	UL-RL	2.6343E+04	-2.400	0.000	1.000	1.000	41.69	0.000	0.000	Strato1_2_8_L_0
14	D	8.508	-3.1668E-03	85.38	42.54	85.38	45.25	UL-RL	2.6343E+04	-2.600	0.000	1.000	1.000	42.54	0.000	0.000	Strato1_2_8_L_0
15	D	8.483	-2.9858E-03	87.81	42.42	87.81	46.54	UL-RL	2.6343E+04	-2.800	0.000	1.000	1.000	42.42	0.000	0.000	Strato1_2_8_L_0
16	D	8.602	-2.8089E-03	92.70	43.01	92.70	49.13	UL-RL	2.6343E+04	-3.000	0.000	1.000	1.000	43.01	0.000	0.000	Strato1_2_8_L_0
17	D	8.579	-2.6362E-03	95.31	42.90	95.31	50.52	UL-RL	2.6343E+04	-3.200	0.000	1.000	1.000	42.90	0.000	0.000	Strato1_2_8_L_0
18	D	8.706	-2.4678E-03	100.4	43.53	100.4	53.22	UL-RL	2.6343E+04	-3.400	0.000	1.000	1.000	43.53	0.000	0.000	Strato1_2_8_L_0
19	D	8.689	-2.3041E-03	103.1	43.44	103.1	54.67	UL-RL	2.6343E+04	-3.600	0.000	1.000	1.000	43.44	0.000	0.000	Strato1_2_8_L_0
20	D	8.809	-2.1451E-03	108.1	44.04	108.1	57.30	UL-RL	2.6343E+04	-3.800	0.000	1.000	1.000	44.04	0.000	0.000	Strato1_2_8_L_0
21	D	8.802	-1.9912E-03	110.9	44.01	110.9	58.80	UL-RL	2.6343E+04	-4.000	0.000	1.000	1.000	44.01	0.000	0.000	Strato1_2_8_L_0
22	D	8.922	-1.8427E-03	115.8	44.61	115.8	61.36	UL-RL	2.6343E+04	-4.200	0.000	1.000	1.000	44.61	0.000	0.000	Strato1_2_8_L_0
23	D	8.930	-1.6997E-03	118.7	44.65	118.7	62.91	UL-RL	2.6343E+04	-4.400	0.000	1.000	1.000	44.65	0.000	0.000	Strato1_2_8_L_0
24	D	9.041	-1.5626E-03	123.2	45.20	123.2	65.29	UL-RL	2.6343E+04	-4.600	0.000	1.000	1.000	45.20	0.000	0.000	Strato1_2_8_L_0
25	D	9.066	-1.4314E-03	126.2	45.33	126.2	66.88	UL-RL	2.6343E+04	-4.800	0.000	1.000	1.000	45.33	0.000	0.000	Strato1_2_8_L_0
26	D	9.201	-1.3064E-03	130.9	46.01	130.9	69.36	UL-RL	2.6343E+04	-5.000	0.000	1.000	1.000	46.01	0.000	0.000	Strato1_2_8_L_0
27	D	9.246	-1.1878E-03	133.9	46.23	133.9	70.97	UL-RL	2.6343E+04	-5.200	0.000	1.000	1.000	46.23	0.000	0.000	Strato1_2_8_L_0
28	D	9.393	-1.0757E-03	138.5	46.96	138.5	73.42	UL-RL	2.6343E+04	-5.400	0.000	1.000	1.000	46.96	0.000	0.000	Strato1_2_8_L_0
29	D	9.456	-9.7024E-04	141.6	47.28	141.6	75.06	UL-RL	2.6343E+04	-5.600	0.000	1.000	1.000	47.28	0.000	0.000	Strato1_2_8_L_0
30	D	9.785	-8.7155E-04	146.2	48.93	146.2	77.47	UL-RL	2.6343E+04	-5.800	0.000	1.000	1.000				

48.93	0.000	0.000	Strato1_2_8_L_0									
31 D	10.64	-7.7968E-04	149.1	53.18	149.1	79.04	UL-RL	2.6343E+04	-6.000	0.000	1.000	1.000
53.18	0.000	0.000	Strato1_2_8_L_0									
32 D	4.824	-6.9470E-04	153.7	24.12	153.7	76.87	UL-RL	7.4521E+04	-6.200	0.000	1.000	1.000
24.12	0.000	0.000	Strato2_3095_82743_L_0									
33 D	4.727	-6.1661E-04	157.1	23.64	157.1	78.56	UL-RL	7.4521E+04	-6.400	0.000	1.000	1.000
23.64	0.000	0.000	Strato2_3095_82743_L_0									
34 D	5.466	-5.4538E-04	161.8	27.33	161.8	80.89	UL-RL	7.4521E+04	-6.600	0.000	1.000	1.000
27.33	0.000	0.000	Strato2_3095_82743_L_0									
35 D	6.892	-4.8087E-04	165.2	34.46	165.2	82.60	UL-RL	7.4521E+04	-6.800	0.000	1.000	1.000
34.46	0.000	0.000	Strato2_3095_82743_L_0									
36 D	8.331	-4.2290E-04	169.8	41.66	169.8	84.92	UL-RL	7.4521E+04	-7.000	0.000	1.000	1.000
41.66	0.000	0.000	Strato2_3095_82743_L_0									
37 D	9.550	-3.7121E-04	173.3	47.75	173.3	86.64	UL-RL	7.4521E+04	-7.200	0.000	1.000	1.000
47.75	0.000	0.000	Strato2_3095_82743_L_0									
38 D	10.78	-3.2549E-04	177.9	53.91	177.9	88.94	UL-RL	7.4521E+04	-7.400	0.000	1.000	1.000
53.91	0.000	0.000	Strato2_3095_82743_L_0									
39 D	11.80	-2.8540E-04	181.2	58.98	181.2	90.60	UL-RL	7.4521E+04	-7.600	0.000	1.000	1.000
58.98	0.000	0.000	Strato2_3095_82743_L_0									
40 D	12.84	-2.5058E-04	185.8	64.21	185.8	92.88	UL-RL	7.4521E+04	-7.800	0.000	1.000	1.000
64.21	0.000	0.000	Strato2_3095_82743_L_0									
41 D	13.70	-2.2063E-04	189.3	68.52	189.3	94.63	UL-RL	7.4521E+04	-8.000	0.000	1.000	1.000
68.52	0.000	0.000	Strato2_3095_82743_L_0									
42 D	14.59	-1.9517E-04	193.8	72.96	193.8	96.90	UL-RL	7.4521E+04	-8.200	0.000	1.000	1.000
72.96	0.000	0.000	Strato2_3095_82743_L_0									
43 D	15.31	-1.7379E-04	197.3	76.55	197.3	98.67	UL-RL	7.4521E+04	-8.400	0.000	1.000	1.000
76.55	0.000	0.000	Strato2_3095_82743_L_0									
44 D	16.06	-1.5611E-04	201.8	80.32	201.8	100.9	UL-RL	7.4521E+04	-8.600	0.000	1.000	1.000
80.32	0.000	0.000	Strato2_3095_82743_L_0									
45 D	16.67	-1.4173E-04	205.4	83.34	205.4	102.7	UL-RL	7.4521E+04	-8.800	0.000	1.000	1.000
83.34	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.30	-1.3030E-04	209.7	86.50	209.7	104.9	UL-RL	7.4521E+04	-9.000	0.000	1.000	1.000
86.50	0.000	0.000	Strato2_3095_82743_L_0									
47 D	17.81	-1.2144E-04	213.3	89.06	213.3	106.7	UL-RL	7.4521E+04	-9.200	0.000	1.000	1.000
89.06	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.37	-1.1483E-04	217.8	91.87	217.8	108.9	UL-RL	7.4521E+04	-9.400	0.000	1.000	1.000
91.87	0.000	0.000	Strato2_3095_82743_L_0									
49 D	18.82	-1.1015E-04	221.4	94.08	221.4	110.7	UL-RL	7.4521E+04	-9.600	0.000	1.000	1.000
94.08	0.000	0.000	Strato2_3095_82743_L_0									
50 D	19.32	-1.0711E-04	225.8	96.58	225.8	112.9	UL-RL	7.4521E+04	-9.800	0.000	1.000	1.000
96.58	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.71	-1.0544E-04	229.4	98.54	229.4	114.7	UL-RL	7.4521E+04	-10.00	0.000	1.000	1.000
98.54	0.000	0.000	Strato2_3095_82743_L_0									
52 D	20.16	-1.0490E-04	233.8	100.8	233.8	116.9	UL-RL	7.4521E+04	-10.20	0.000	1.000	1.000
100.8	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.52	-1.0527E-04	237.5	102.6	237.5	118.7	UL-RL	7.4521E+04	-10.40	0.000	1.000	1.000
102.6	0.000	0.000	Strato2_3095_82743_L_0									
54 D	20.94	-1.0634E-04	241.8	104.7	241.8	120.9	UL-RL	7.4521E+04	-10.60	0.000	1.000	1.000
104.7	0.000	0.000	Strato2_3095_82743_L_0									
55 D	21.28	-1.0796E-04	245.4	106.4	245.4	122.7	UL-RL	7.4521E+04	-10.80	0.000	1.000	1.000
106.4	0.000	0.000	Strato2_3095_82743_L_0									
56 D	21.69	-1.0997E-04	249.8	108.4	249.8	124.9	UL-RL	7.4521E+04	-11.00	0.000	1.000	1.000
108.4	0.000	0.000	Strato2_3095_82743_L_0									
57 D	22.02	-1.1225E-04	253.4	110.1	253.4	126.7	UL-RL	7.4521E+04	-11.20	0.000	1.000	1.000
110.1	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.42	-1.1471E-04	257.8	112.1	257.8	128.9	UL-RL	7.4521E+04	-11.40	0.000	1.000	1.000
112.1	0.000	0.000	Strato2_3095_82743_L_0									
59 D	22.74	-1.1726E-04	261.5	113.7	261.5	130.7	UL-RL	7.4521E+04	-11.60	0.000	1.000	1.000
113.7	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.14	-1.1986E-04	265.8	115.7	265.8	132.9	UL-RL	7.4521E+04	-11.80	0.000	1.000	1.000
115.7	0.000	0.000	Strato2_3095_82743_L_0									
61 D	11.73	-1.2248E-04	269.4	117.3	269.4	134.7	UL-RL	7.4521E+04	-12.00	0.000	1.000	1.000
117.3	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      18:02:25                                                 |
+------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                                :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    61
C U R R E N T    T I M E    I S      4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16 D	0.1155	2.8089E-03	1.900	0.5776	57.00	34.16	ACTIVE	0.000	-3.000	0.000	1.000	1.000	0.5776	0.000	0.000	Strato1_2_8_L_0
17 D	2.675	2.6362E-03	5.700	13.37	60.80	36.03	UL-RL	1.8281E+04	-3.200	0.000	1.000	1.000	13.37	0.000	0.000	Strato1_2_8_L_0
18 D	5.873	2.4678E-03	9.500	29.37	64.60	38.39	UL-RL	1.8281E+04	-3.400	0.000	1.000	1.000	29.37	0.000	0.000	Strato1_2_8_L_0
19 D	9.071	2.3041E-03	13.30	45.36	68.40	53.75	UL-RL	1.8281E+04	-3.600	0.000	1.000	1.000	45.36	0.000	0.000	Strato1_2_8_L_0
20 D	9.632	2.1451E-03	17.10	48.16	72.20	55.92	UL-RL	1.8281E+04	-3.800	0.000	1.000	1.000	48.16	0.000	0.000	Strato1_2_8_L_0
21 D	9.915	1.9912E-03	20.90	49.58	76.00	56.71	UL-RL	1.8281E+04	-4.000	0.000	1.000	1.000	49.58	0.000	0.000	Strato1_2_8_L_0
22 D	10.20	1.8427E-03	24.70	51.01	79.80	57.55	UL-RL	1.8281E+04	-4.200	0.000	1.000	1.000	51.01	0.000	0.000	Strato1_2_8_L_0
23 D	10.50	1.6997E-03	28.50	52.48	83.60	58.42	UL-RL	1.8281E+04	-4.400	0.000	1.000	1.000	52.48	0.000	0.000	Strato1_2_8_L_0
24 D	10.79	1.5626E-03	32.30	53.96	87.40	59.34	UL-RL	1.8281E+04	-4.600	0.000	1.000	1.000	53.96	0.000	0.000	Strato1_2_8_L_0
25 D	11.09	1.4314E-03	36.10	55.47	91.20	60.30	UL-RL	1.8281E+04	-4.800	0.000	1.000	1.000	55.47	0.000	0.000	Strato1_2_8_L_0
26 D	11.40	1.3064E-03	39.90	56.99	95.00	61.31	UL-RL	1.8281E+04	-5.000	0.000	1.000	1.000	56.99	0.000	0.000	Strato1_2_8_L_0
27 D	11.71	1.1878E-03	43.70	58.54	98.80	62.37	UL-RL	1.8281E+04	-5.200	0.000	1.000	1.000	58.54	0.000	0.000	Strato1_2_8_L_0
28 D	12.02	1.0757E-03	47.50	60.11	102.6	63.48	UL-RL	1.8281E+04	-5.400	0.000	1.000	1.000	60.11	0.000	0.000	Strato1_2_8_L_0
29 D	12.34	9.7024E-04	51.30	61.71	106.4	64.64	UL-RL	1.8281E+04	-5.600	0.000	1.000	1.000	61.71	0.000	0.000	Strato1_2_8_L_0
30 D	12.66	8.7155E-04	55.10	63.32	110.2	65.85	UL-RL	1.8281E+04	-5.800	0.000	1.000	1.000				

63.32	0.000	0.000	Strato1_2_8_L_0									
31 D	12.99	7.7968E-04	58.90	64.96	114.0	67.12	UL-RL	1.8281E+04	-6.000	0.000	1.000	1.000
64.96	0.000	0.000	Strato1_2_8_L_0									
32 D	12.58	6.9470E-04	62.80	62.91	117.9	66.91	UL-RL	4.0389E+04	-6.200	0.000	1.000	1.000
62.91	0.000	0.000	Strato2_3095_82743_L_0									
33 D	12.84	6.1661E-04	66.80	64.22	121.9	67.53	UL-RL	4.0389E+04	-6.400	0.000	1.000	1.000
64.22	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.12	5.4538E-04	70.80	65.59	125.9	68.27	UL-RL	4.0389E+04	-6.600	0.000	1.000	1.000
65.59	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.40	4.8087E-04	74.80	67.02	129.9	69.13	UL-RL	4.0389E+04	-6.800	0.000	1.000	1.000
67.02	0.000	0.000	Strato2_3095_82743_L_0									
36 D	13.47	4.2290E-04	78.80	67.33	133.9	70.69	UL-RL	4.0389E+04	-7.000	0.000	1.000	1.000
67.33	0.000	0.000	Strato2_3095_82743_L_0									
37 D	13.47	3.7121E-04	82.80	67.35	137.9	72.53	UL-RL	4.0389E+04	-7.200	0.000	1.000	1.000
67.35	0.000	0.000	Strato2_3095_82743_L_0									
38 D	13.52	3.2549E-04	86.80	67.61	141.9	74.38	UL-RL	4.0389E+04	-7.400	0.000	1.000	1.000
67.61	0.000	0.000	Strato2_3095_82743_L_0									
39 D	13.62	2.8540E-04	90.80	68.09	145.9	76.25	UL-RL	4.0389E+04	-7.600	0.000	1.000	1.000
68.09	0.000	0.000	Strato2_3095_82743_L_0									
40 D	13.75	2.5058E-04	94.80	68.77	149.9	78.13	UL-RL	4.0389E+04	-7.800	0.000	1.000	1.000
68.77	0.000	0.000	Strato2_3095_82743_L_0									
41 D	13.93	2.2063E-04	98.80	69.65	153.9	80.03	UL-RL	4.0389E+04	-8.000	0.000	1.000	1.000
69.65	0.000	0.000	Strato2_3095_82743_L_0									
42 D	14.14	1.9517E-04	102.8	70.71	157.9	81.94	UL-RL	4.0389E+04	-8.200	0.000	1.000	1.000
70.71	0.000	0.000	Strato2_3095_82743_L_0									
43 D	14.38	1.7379E-04	106.8	71.92	161.9	83.85	UL-RL	4.0389E+04	-8.400	0.000	1.000	1.000
71.92	0.000	0.000	Strato2_3095_82743_L_0									
44 D	14.66	1.5611E-04	110.8	73.28	165.9	85.78	UL-RL	4.0389E+04	-8.600	0.000	1.000	1.000
73.28	0.000	0.000	Strato2_3095_82743_L_0									
45 D	14.95	1.4173E-04	114.8	74.77	169.9	87.73	UL-RL	4.0389E+04	-8.800	0.000	1.000	1.000
74.77	0.000	0.000	Strato2_3095_82743_L_0									
46 D	15.27	1.3030E-04	118.8	76.37	173.9	89.68	UL-RL	4.0389E+04	-9.000	0.000	1.000	1.000
76.37	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.61	1.2144E-04	122.8	78.07	177.9	91.63	UL-RL	4.0389E+04	-9.200	0.000	1.000	1.000
78.07	0.000	0.000	Strato2_3095_82743_L_0									
48 D	15.97	1.1483E-04	126.8	79.86	181.9	93.60	UL-RL	4.0389E+04	-9.400	0.000	1.000	1.000
79.86	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.34	1.1015E-04	130.8	81.72	185.9	95.57	UL-RL	4.0389E+04	-9.600	0.000	1.000	1.000
81.72	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.73	1.0711E-04	134.8	83.65	189.9	97.55	UL-RL	4.0389E+04	-9.800	0.000	1.000	1.000
83.65	0.000	0.000	Strato2_3095_82743_L_0									
51 D	17.13	1.0544E-04	138.8	85.63	193.9	99.53	UL-RL	4.0389E+04	-10.00	0.000	1.000	1.000
85.63	0.000	0.000	Strato2_3095_82743_L_0									
52 D	17.53	1.0490E-04	142.8	87.65	197.9	101.5	UL-RL	4.0389E+04	-10.20	0.000	1.000	1.000
87.65	0.000	0.000	Strato2_3095_82743_L_0									
53 D	17.94	1.0527E-04	146.8	89.70	201.9	103.5	UL-RL	4.0389E+04	-10.40	0.000	1.000	1.000
89.70	0.000	0.000	Strato2_3095_82743_L_0									
54 D	18.36	1.0634E-04	150.8	91.78	205.9	105.5	UL-RL	4.0389E+04	-10.60	0.000	1.000	1.000
91.78	0.000	0.000	Strato2_3095_82743_L_0									
55 D	18.77	1.0796E-04	154.8	93.87	209.9	107.5	UL-RL	4.0389E+04	-10.80	0.000	1.000	1.000
93.87	0.000	0.000	Strato2_3095_82743_L_0									
56 D	19.20	1.0997E-04	158.8	95.98	213.9	109.5	UL-RL	4.0389E+04	-11.00	0.000	1.000	1.000
95.98	0.000	0.000	Strato2_3095_82743_L_0									
57 D	19.62	1.1225E-04	162.8	98.09	217.9	111.5	UL-RL	4.0389E+04	-11.20	0.000	1.000	1.000
98.09	0.000	0.000	Strato2_3095_82743_L_0									
58 D	20.04	1.1471E-04	166.8	100.2	221.9	113.5	UL-RL	4.0389E+04	-11.40	0.000	1.000	1.000
100.2	0.000	0.000	Strato2_3095_82743_L_0									
59 D	20.47	1.1726E-04	170.8	102.3	225.9	115.5	UL-RL	4.0389E+04	-11.60	0.000	1.000	1.000
102.3	0.000	0.000	Strato2_3095_82743_L_0									
60 D	20.89	1.1986E-04	174.8	104.5	229.9	117.5	UL-RL	4.0389E+04	-11.80	0.000	1.000	1.000
104.5	0.000	0.000	Strato2_3095_82743_L_0									
61 D	10.66	1.2248E-04	178.8	106.6	233.9	119.5	UL-RL	4.0389E+04	-12.00	0.000	1.000	1.000
106.6	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  3.1891     -3.1891    -6.67910E-13 0.63783
    2  8.1851     -8.1851    -0.63783      2.2749
    3  12.944     -12.944     -2.2749      4.8636
    4  18.751     -18.751     -4.8636      8.6137
    5  24.495     -24.495     -8.6137      13.513
    6  30.962     -30.962     -13.513      19.705
    7  37.465     -37.465     -19.705      27.198
    8  44.562     -44.562     -27.198      36.111
    9  51.691     -51.691     -36.111      46.449
   10  59.350     -59.350     -46.449      58.319
   11  67.141     -67.141     -58.319      71.747
   12  75.414     -75.414     -71.747      86.830
   13 -6.9878      6.9878     -86.830      85.433
   14  1.5198     -1.5198     -85.433      85.736
   15  10.003     -10.003     -85.736      87.737
   16  18.490     -18.490     -87.737      91.435
   17  24.394     -24.394     -91.435      96.314
   18  27.227     -27.227     -96.314      101.76
   19  26.845     -26.845     -101.76      107.13
   20  26.021     -26.021     -107.13      112.33
   21  24.907     -24.907     -112.33      117.31
   22  23.626     -23.626     -117.31      122.04
   23  22.061     -22.061     -122.04      126.45
   24  20.310     -20.310     -126.45      130.51
   25  18.283     -18.283     -130.51      134.17
   26  16.086     -16.086     -134.17      137.39
   27  13.623     -13.623     -137.39      140.11
   28  10.993     -10.993     -140.11      142.31
   29  8.1080     -8.1080     -142.31      143.93
   30  5.2286     -5.2286     -143.93      144.98
   31  2.8730     -2.8730     -144.98      145.55
   32 -4.8840      4.8840     -145.55      144.58
   33 -13.001      13.001     -144.58      141.98
   34 -20.654      20.654     -141.98      137.84
   35 -27.166      27.166     -137.84      132.41
   36 -32.300      32.300     -132.41      125.95
   37 -36.221      36.221     -125.95      118.71
   38 -38.960      38.960     -118.71      110.91
   39 -40.782      40.782     -110.91      102.76
   40 -41.694      41.694     -102.76      94.420
   41 -41.921      41.921     -94.420      86.036
   42 -41.470      41.470     -86.036      77.742
   43 -40.545      40.545     -77.742      69.633
   44 -39.137      39.137     -69.633      61.805
   45 -37.424      37.424     -61.805      54.321
   46 -35.397      35.397     -54.321      47.241
   47 -33.200      33.200     -47.241      40.601
   48 -30.799      30.799     -40.601      34.441
   49 -28.327      28.327     -34.441      28.776
   50 -25.741      25.741     -28.776      23.628
   51 -23.158      23.158     -23.628      18.996
   52 -20.523      20.523     -18.996      14.892
   53 -17.940      17.940     -14.892      11.304
   54 -15.358      15.358     -11.304      8.2320
   55 -12.855      12.855     -8.2320      5.6611
   56 -10.363      10.363     -5.6611      3.5885
   57 -7.9654      7.9654     -3.5885      1.9954
   58 -5.5915      5.5915     -1.9954     0.87711
   59 -3.3162      3.3162    -0.87711     0.21388
   60 -1.0693      1.0693    -0.21388    -1.78491E-12
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.SLERara_3454                                        |
|                                  Exe Time :29 July 2019      18:02:25                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -6.38098E-04 -6.38098E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+06 RIMNOR=0.9369E+06
           RENORM= 2299.     REMNOR=0.2291E-19 RATIO =0.1352     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 145.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1258E+06 RDR   =0.9369E+06
           RATIOT=0.1352     RATIOR= 0.000
           MAX UN= 12.99     IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.9754E-09 IEQ=     13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+06 RIMNOR=0.9369E+06
           RENORM= 193.6     REMNOR=0.3899E-19 RATIO =0.3923E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 145.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1258E+06 RDR   =0.9369E+06
           RATIOT=0.3923E-01 RATIOR= 0.000
           MAX UN= 6.686     IEQ=     63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.1542E-08 IEQ=     19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+06 RIMNOR=0.9369E+06
           RENORM= 4.695     REMNOR=0.6085E-19 RATIO =0.6108E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 145.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1258E+06 RDR   =0.9369E+06
           RATIOT=0.6108E-02 RATIOR= 0.000
           MAX UN= 1.417     IEQ=     77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.1028E-08 IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+06 RIMNOR=0.9369E+06
           RENORM=0.8029     REMNOR=0.5235E-19 RATIO =0.2526E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 145.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1258E+06 RDR   =0.9369E+06
           RATIOT=0.2526E-02 RATIOR= 0.000
           MAX UN=0.6453     IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1117E-08 IEQ=     27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+06 RIMNOR=0.9369E+06
           RENORM=0.3247E-02 REMNOR=0.8341E-19 RATIO =0.1606E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 145.6
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1258E+06 RDR   =0.9369E+06
           RATIOT=0.1606E-03 RATIOR= 0.000
           MAX UN=0.5698E-01 IEQ=     67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.1412E-08 IEQ=     25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
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          RINORM=0.1258E+06 RIMNOR=0.9369E+06
          RENORM=0.1909E-16 REMNOR=0.6286E-19 RATIO =0.1232E-10 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 90.74     RMMAX = 145.6
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
          RDT   =0.1258E+06 RDR   =0.9369E+06
          RATIOT=0.1232E-10 RATIOR= 0.000
          MAX UN=0.1835E-08 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
          MIN UN=-.1715E-08 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                       |
|                                 Exe Time :29 July 2019      18:02:25                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   7.3572664E-03  -8.2918717E-04
    2   7.1914314E-03  -8.2914978E-04
    3   7.0256150E-03  -8.2898419E-04
    4   6.8598532E-03  -8.2858665E-04
    5   6.6942037E-03  -8.2783932E-04
    6   6.5287498E-03  -8.2660748E-04
    7   6.3636028E-03  -8.2474466E-04
    8   6.1989047E-03  -8.2209110E-04
    9   6.0348304E-03  -8.1847575E-04
   10   5.8715906E-03  -8.1371631E-04
   11   5.7094330E-03  -8.0762018E-04
   12   5.5486453E-03  -7.9998283E-04
   13   5.3895570E-03  -7.9058851E-04
   14   5.2323907E-03  -7.8148286E-04
   15   5.0768090E-03  -7.7470036E-04
   16   4.9223723E-03  -7.6999102E-04
   17   4.7686918E-03  -7.6709430E-04
   18   4.6154318E-03  -7.6573882E-04
   19   4.4623123E-03  -7.6564206E-04
   20   4.3091107E-03  -7.6651020E-04
   21   4.1556642E-03  -7.6803832E-04
   22   4.0018724E-03  -7.6991026E-04
   23   3.8476990E-03  -7.7179878E-04
   24   3.6931744E-03  -7.7336544E-04
   25   3.5383976E-03  -7.7426112E-04
   26   3.3835387E-03  -7.7412585E-04
   27   3.2288415E-03  -7.7258864E-04
   28   3.0746229E-03  -7.6926728E-04
   29   2.9212797E-03  -7.6376855E-04
   30   2.7692876E-03  -7.5568808E-04
   31   2.6192043E-03  -7.4461046E-04
   32   2.4716724E-03  -7.3010955E-04
   33   2.3273892E-03  -7.1218882E-04
   34   2.1869947E-03  -6.9130015E-04
   35   2.0510357E-03  -6.6791287E-04
   36   1.9199645E-03  -6.4250109E-04
   37   1.7941393E-03  -6.1553869E-04
   38   1.6738220E-03  -5.8749118E-04
   39   1.5591850E-03  -5.5881078E-04
   40   1.4503106E-03  -5.2993698E-04
   41   1.3471946E-03  -5.0129770E-04
   42   1.2497490E-03  -4.7329690E-04
   43   1.1578097E-03  -4.4628756E-04
   44   1.0711484E-03  -4.2056138E-04
   45   9.8948433E-04  -3.9635389E-04
   46   9.1249379E-04  -3.7384857E-04
   47   8.3982230E-04  -3.5318219E-04
   48   7.7109208E-04  -3.3444821E-04
   49   7.0591063E-04  -3.1770011E-04
   50   6.4387884E-04  -3.0295459E-04
   51   5.8459677E-04  -2.9019410E-04
   52   5.2767074E-04  -2.7936932E-04
   53   4.7272648E-04  -2.7040242E-04
   54   4.1939588E-04  -2.6318540E-04
   55   3.6734450E-04  -2.5758562E-04
   56   3.1626438E-04  -2.5344457E-04
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    57   2.6588165E-04  -2.5057894E-04
    58   2.1596161E-04  -2.4878111E-04
    59   1.6631345E-04  -2.4781957E-04
    60   1.1679505E-04  -2.4743909E-04
    61   6.7315191E-05  -2.4736083E-04



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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.SLERara_3454                                             |
 |                                   Exe Time :29 July 2019      18:02:25                                                        |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   1.575     -7.3573E-03   51.80       15.75       51.80       31.89          ACTIVE   0.000       0.000       0.000       1.000       1.000
15.75       0.000       0.000     Strato1_2_8_L_0
   2 D   2.251     -7.1914E-03   37.03       11.26       37.03       24.98          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
11.26       0.000       0.000     Strato1_2_8_L_0
   3 D   2.118     -7.0256E-03   34.84       10.59       34.84       23.79          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
10.59       0.000       0.000     Strato1_2_8_L_0
   4 D   2.846     -6.8599E-03   46.80       14.23       46.80       29.04          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
14.23       0.000       0.000     Strato1_2_8_L_0
   5 D   2.830     -6.6942E-03   46.54       14.15       46.54       28.72          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
14.15       0.000       0.000     Strato1_2_8_L_0
   6 D   3.339     -6.5287E-03   54.92       16.70       54.92       32.34          ACTIVE   0.000      -1.000       0.000       1.000       1.000
16.70       0.000       0.000     Strato1_2_8_L_0
   7 D   3.390     -6.3636E-03   55.76       16.95       55.76       32.52          ACTIVE   0.000      -1.200       0.000       1.000       1.000
16.95       0.000       0.000     Strato1_2_8_L_0
   8 D   3.815     -6.1989E-03   62.75       19.07       62.75       35.49          ACTIVE   0.000      -1.400       0.000       1.000       1.000
19.07       0.000       0.000     Strato1_2_8_L_0
   9 D   3.864     -6.0348E-03   63.56       19.32       63.56       35.64          ACTIVE   0.000      -1.600       0.000       1.000       1.000
19.32       0.000       0.000     Strato1_2_8_L_0
  10 D   4.248     -5.8716E-03   69.87       21.24       69.87       38.29          ACTIVE   0.000      -1.800       0.000       1.000       1.000
21.24       0.000       0.000     Strato1_2_8_L_0
  11 D   4.367     -5.7094E-03   71.83       21.84       71.83       38.96          ACTIVE   0.000      -2.000       0.000       1.000       1.000
21.84       0.000       0.000     Strato1_2_8_L_0
  12 D   4.721     -5.5486E-03   77.65       23.61       77.65       41.36          ACTIVE   0.000      -2.200       0.000       1.000       1.000
23.61       0.000       0.000     Strato1_2_8_L_0
  13 D   4.857     -5.3896E-03   79.88       24.28       79.88       42.34          ACTIVE   0.000      -2.400       0.000       1.000       1.000
24.28       0.000       0.000     Strato1_2_8_L_0
  14 D   5.191     -5.2324E-03   85.38       25.96       85.38       45.25          ACTIVE   0.000      -2.600       0.000       1.000       1.000
25.96       0.000       0.000     Strato1_2_8_L_0
  15 D   5.339     -5.0768E-03   87.81       26.69       87.81       46.54          ACTIVE   0.000      -2.800       0.000       1.000       1.000
26.69       0.000       0.000     Strato1_2_8_L_0
  16 D   5.636     -4.9224E-03   92.70       28.18       92.70       49.13          ACTIVE   0.000      -3.000       0.000       1.000       1.000
28.18       0.000       0.000     Strato1_2_8_L_0
  17 D   5.795     -4.7687E-03   95.31       28.98       95.31       50.52          ACTIVE   0.000      -3.200       0.000       1.000       1.000
28.98       0.000       0.000     Strato1_2_8_L_0
  18 D   6.105     -4.6154E-03   100.4       30.53       100.4       53.22          ACTIVE   0.000      -3.400       0.000       1.000       1.000
30.53       0.000       0.000     Strato1_2_8_L_0
  19 D   6.271     -4.4623E-03   103.1       31.36       103.1       54.67          ACTIVE   0.000      -3.600       0.000       1.000       1.000
31.36       0.000       0.000     Strato1_2_8_L_0
  20 D   6.573     -4.3091E-03   108.1       32.86       108.1       57.30          ACTIVE   0.000      -3.800       0.000       1.000       1.000
32.86       0.000       0.000     Strato1_2_8_L_0
  21 D   6.745     -4.1557E-03   110.9       33.72       110.9       58.80          ACTIVE   0.000      -4.000       0.000       1.000       1.000
33.72       0.000       0.000     Strato1_2_8_L_0
  22 D   7.039     -4.0019E-03   115.8       35.20       115.8       61.36          ACTIVE   0.000      -4.200       0.000       1.000       1.000
35.20       0.000       0.000     Strato1_2_8_L_0
  23 D   7.216     -3.8477E-03   118.7       36.08       118.7       62.91          ACTIVE   0.000      -4.400       0.000       1.000       1.000
36.08       0.000       0.000     Strato1_2_8_L_0
  24 D   7.490     -3.6932E-03   123.2       37.45       123.2       65.29          ACTIVE   0.000      -4.600       0.000       1.000       1.000
37.45       0.000       0.000     Strato1_2_8_L_0
  25 D   7.672     -3.5384E-03   126.2       38.36       126.2       66.88          ACTIVE   0.000      -4.800       0.000       1.000       1.000
38.36       0.000       0.000     Strato1_2_8_L_0
  26 D   7.956     -3.3835E-03   130.9       39.78       130.9       69.36          ACTIVE   0.000      -5.000       0.000       1.000       1.000
39.78       0.000       0.000     Strato1_2_8_L_0
  27 D   8.142     -3.2288E-03   133.9       40.71       133.9       70.97          ACTIVE   0.000      -5.200       0.000       1.000       1.000
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40.71       0.000       0.000     Strato1_2_8_L_0
  28 D   8.422     -3.0746E-03  138.5       42.11       138.5       73.42          ACTIVE   0.000      -5.400       0.000       1.000       1.000
42.11       0.000       0.000     Strato1_2_8_L_0
  29 D   8.611     -2.9213E-03  141.6       43.05       141.6       75.06          ACTIVE   0.000      -5.600       0.000       1.000       1.000
43.05       0.000       0.000     Strato1_2_8_L_0
  30 D   8.887     -2.7693E-03  146.2       44.44       146.2       77.47          ACTIVE   0.000      -5.800       0.000       1.000       1.000
44.44       0.000       0.000     Strato1_2_8_L_0
  31 D   9.067     -2.6192E-03  149.1       45.34       149.1       79.04          ACTIVE   0.000      -6.000       0.000       1.000       1.000
45.34       0.000       0.000     Strato1_2_8_L_0
  32 D   3.347     -2.4717E-03  153.7       16.74       153.7       76.87          ACTIVE   0.000      -6.200       0.000       1.000       1.000
16.74       0.000       0.000     Strato2_3095_82743_L_0
  33 D   3.507     -2.3274E-03  157.1       17.53       157.1       78.56          ACTIVE   0.000      -6.400       0.000       1.000       1.000
17.53       0.000       0.000     Strato2_3095_82743_L_0
  34 D   3.726     -2.1870E-03  161.8       18.63       161.8       80.89          ACTIVE   0.000      -6.600       0.000       1.000       1.000
18.63       0.000       0.000     Strato2_3095_82743_L_0
  35 D   3.887     -2.0510E-03  165.2       19.43       165.2       82.60          ACTIVE   0.000      -6.800       0.000       1.000       1.000
19.43       0.000       0.000     Strato2_3095_82743_L_0
  36 D   4.104     -1.9200E-03  169.8       20.52       169.8       84.92          ACTIVE   0.000      -7.000       0.000       1.000       1.000
20.52       0.000       0.000     Strato2_3095_82743_L_0
  37 D   4.266     -1.7941E-03  173.3       21.33       173.3       86.64          ACTIVE   0.000      -7.200       0.000       1.000       1.000
21.33       0.000       0.000     Strato2_3095_82743_L_0
  38 D   4.482     -1.6738E-03  177.9       22.41       177.9       88.94          ACTIVE   0.000      -7.400       0.000       1.000       1.000
22.41       0.000       0.000     Strato2_3095_82743_L_0
  39 D   4.638     -1.5592E-03  181.2       23.19       181.2       90.60          ACTIVE   0.000      -7.600       0.000       1.000       1.000
23.19       0.000       0.000     Strato2_3095_82743_L_0
  40 D   4.853     -1.4503E-03  185.8       24.26       185.8       92.88          ACTIVE   0.000      -7.800       0.000       1.000       1.000
24.26       0.000       0.000     Strato2_3095_82743_L_0
  41 D   5.588     -1.3472E-03  189.3       27.94       189.3       94.63           UL-RL   3.6018E+04 -8.000       0.000       1.000       1.000
27.94       0.000       0.000     Strato2_3095_82743_L_0
  42 D   6.995     -1.2497E-03  193.8       34.97       193.8       96.90           UL-RL   3.6018E+04 -8.200       0.000       1.000       1.000
34.97       0.000       0.000     Strato2_3095_82743_L_0
  43 D   8.222     -1.1578E-03  197.3       41.11       197.3       98.67           UL-RL   3.6018E+04 -8.400       0.000       1.000       1.000
41.11       0.000       0.000     Strato2_3095_82743_L_0
  44 D   9.473     -1.0711E-03  201.8       47.36       201.8       100.9           UL-RL   3.6018E+04 -8.600       0.000       1.000       1.000
47.36       0.000       0.000     Strato2_3095_82743_L_0
  45 D   10.56     -9.8948E-04  205.4       52.80       205.4       102.7           UL-RL   3.6018E+04 -8.800       0.000       1.000       1.000
52.80       0.000       0.000     Strato2_3095_82743_L_0
  46 D   11.67     -9.1249E-04  209.7       58.33       209.7       104.9           UL-RL   3.6018E+04 -9.000       0.000       1.000       1.000
58.33       0.000       0.000     Strato2_3095_82743_L_0
  47 D   12.64     -8.3982E-04  213.3       63.18       213.3       106.7           UL-RL   3.6018E+04 -9.200       0.000       1.000       1.000
63.18       0.000       0.000     Strato2_3095_82743_L_0
  48 D   13.65     -7.7109E-04  217.8       68.23       217.8       108.9           UL-RL   3.6018E+04 -9.400       0.000       1.000       1.000
68.23       0.000       0.000     Strato2_3095_82743_L_0
  49 D   14.52     -7.0591E-04  221.4       72.62       221.4       110.7           UL-RL   3.6018E+04 -9.600       0.000       1.000       1.000
72.62       0.000       0.000     Strato2_3095_82743_L_0
  50 D   15.45     -6.4388E-04  225.8       77.25       225.8       112.9           UL-RL   3.6018E+04 -9.800       0.000       1.000       1.000
77.25       0.000       0.000     Strato2_3095_82743_L_0
  51 D   16.26     -5.8460E-04  229.4       81.28       229.4       114.7           UL-RL   3.6018E+04 -10.00       0.000       1.000       1.000
81.28       0.000       0.000     Strato2_3095_82743_L_0
  52 D   17.12     -5.2767E-04  233.8       85.59       233.8       116.9           UL-RL   3.6018E+04 -10.20       0.000       1.000       1.000
85.59       0.000       0.000     Strato2_3095_82743_L_0
  53 D   17.88     -4.7273E-04  237.5       89.38       237.5       118.7           UL-RL   3.6018E+04 -10.40       0.000       1.000       1.000
89.38       0.000       0.000     Strato2_3095_82743_L_0
  54 D   18.68     -4.1940E-04  241.8       93.42       241.8       120.9           UL-RL   3.6018E+04 -10.60       0.000       1.000       1.000
93.42       0.000       0.000     Strato2_3095_82743_L_0
  55 D   19.41     -3.6734E-04  245.4       97.05       245.4       122.7           UL-RL   3.6018E+04 -10.80       0.000       1.000       1.000
97.05       0.000       0.000     Strato2_3095_82743_L_0
  56 D   20.20     -3.1626E-04  249.8       101.0       249.8       124.9           UL-RL   3.6018E+04 -11.00       0.000       1.000       1.000
101.0       0.000       0.000     Strato2_3095_82743_L_0
  57 D   20.91     -2.6588E-04  253.4       104.5       253.4       126.7           UL-RL   3.6018E+04 -11.20       0.000       1.000       1.000
104.5       0.000       0.000     Strato2_3095_82743_L_0
  58 D   21.69     -2.1596E-04  257.8       108.4       257.8       128.9           UL-RL   3.6018E+04 -11.40       0.000       1.000       1.000
108.4       0.000       0.000     Strato2_3095_82743_L_0
  59 D   22.39     -1.6631E-04  261.5       111.9       261.5       130.7           UL-RL   3.6018E+04 -11.60       0.000       1.000       1.000
111.9       0.000       0.000     Strato2_3095_82743_L_0
  60 D   23.16     -1.1680E-04  265.8       115.8       265.8       132.9           UL-RL   3.6018E+04 -11.80       0.000       1.000       1.000
115.8       0.000       0.000     Strato2_3095_82743_L_0
  61 D   11.93     -6.7315E-05  269.4       119.3       269.4       134.7           UL-RL   3.6018E+04 -12.00       0.000       1.000       1.000
119.3       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
 |                                                                                                                               |
 |                                       NewProject.BaseDesignSection_28.SLERara_3454                                            |
 |                                   Exe Time :29 July 2019      18:02:25                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

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ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
32 D	12.57	2.4717E-03	2.000	62.84	117.9	66.91	UL-RL	1.9852E+04	-6.200	0.000	1.000	1.000
62.84	0.000	0.000	Strato2_3095_82743_L_0									
33 D	13.32	2.3274E-03	6.000	66.59	121.9	67.53	UL-RL	1.9852E+04	-6.400	0.000	1.000	1.000
66.59	0.000	0.000	Strato2_3095_82743_L_0									
34 D	13.68	2.1870E-03	10.00	68.42	125.9	68.42	V-C	6617.	-6.600	0.000	1.000	1.000
68.42	0.000	0.000	Strato2_3095_82743_L_0									
35 D	13.90	2.0510E-03	14.00	69.50	129.9	69.50	V-C	6617.	-6.800	0.000	1.000	1.000
69.50	0.000	0.000	Strato2_3095_82743_L_0									
36 D	14.05	1.9200E-03	18.00	70.24	133.9	70.69	UL-RL	1.9852E+04	-7.000	0.000	1.000	1.000
70.24	0.000	0.000	Strato2_3095_82743_L_0									
37 D	13.94	1.7941E-03	22.00	69.71	137.9	72.53	UL-RL	1.9852E+04	-7.200	0.000	1.000	1.000
69.71	0.000	0.000	Strato2_3095_82743_L_0									

38 D	13.85	1.6738E-03	26.00	69.25	141.9	74.38	UL-RL	1.9852E+04	-7.400	0.000	1.000	1.000
69.25	0.000	0.000	Strato2_3095_82743_L_0									
39 D	13.78	1.5592E-03	30.00	68.90	145.9	76.25	UL-RL	1.9852E+04	-7.600	0.000	1.000	1.000
68.90	0.000	0.000	Strato2_3095_82743_L_0									
40 D	13.74	1.4503E-03	34.00	68.68	149.9	78.13	UL-RL	1.9852E+04	-7.800	0.000	1.000	1.000
68.68	0.000	0.000	Strato2_3095_82743_L_0									
41 D	13.72	1.3472E-03	38.00	68.60	153.9	80.03	UL-RL	1.9852E+04	-8.000	0.000	1.000	1.000
68.60	0.000	0.000	Strato2_3095_82743_L_0									
42 D	13.73	1.2497E-03	42.00	68.66	157.9	81.94	UL-RL	1.9852E+04	-8.200	0.000	1.000	1.000
68.66	0.000	0.000	Strato2_3095_82743_L_0									
43 D	13.77	1.1578E-03	46.00	68.86	161.9	83.85	UL-RL	1.9852E+04	-8.400	0.000	1.000	1.000
68.86	0.000	0.000	Strato2_3095_82743_L_0									
44 D	13.84	1.0711E-03	50.00	69.20	165.9	85.78	UL-RL	1.9852E+04	-8.600	0.000	1.000	1.000
69.20	0.000	0.000	Strato2_3095_82743_L_0									
45 D	13.93	9.8948E-04	54.00	69.66	169.9	87.73	UL-RL	1.9852E+04	-8.800	0.000	1.000	1.000
69.66	0.000	0.000	Strato2_3095_82743_L_0									
46 D	14.05	9.1249E-04	58.00	70.25	173.9	89.68	UL-RL	1.9852E+04	-9.000	0.000	1.000	1.000
70.25	0.000	0.000	Strato2_3095_82743_L_0									
47 D	14.19	8.3982E-04	62.00	70.94	177.9	91.63	UL-RL	1.9852E+04	-9.200	0.000	1.000	1.000
70.94	0.000	0.000	Strato2_3095_82743_L_0									
48 D	14.35	7.7109E-04	66.00	71.74	181.9	93.60	UL-RL	1.9852E+04	-9.400	0.000	1.000	1.000
71.74	0.000	0.000	Strato2_3095_82743_L_0									
49 D	14.52	7.0591E-04	70.00	72.62	185.9	95.57	UL-RL	1.9852E+04	-9.600	0.000	1.000	1.000
72.62	0.000	0.000	Strato2_3095_82743_L_0									
50 D	14.72	6.4388E-04	74.00	73.58	189.9	97.55	UL-RL	1.9852E+04	-9.800	0.000	1.000	1.000
73.58	0.000	0.000	Strato2_3095_82743_L_0									
51 D	14.92	5.8460E-04	78.00	74.60	193.9	99.53	UL-RL	1.9852E+04	-10.00	0.000	1.000	1.000
74.60	0.000	0.000	Strato2_3095_82743_L_0									
52 D	15.14	5.2767E-04	82.00	75.68	197.9	101.5	UL-RL	1.9852E+04	-10.20	0.000	1.000	1.000
75.68	0.000	0.000	Strato2_3095_82743_L_0									
53 D	15.36	4.7273E-04	86.00	76.80	201.9	103.5	UL-RL	1.9852E+04	-10.40	0.000	1.000	1.000
76.80	0.000	0.000	Strato2_3095_82743_L_0									
54 D	15.59	4.1940E-04	90.00	77.95	205.9	105.5	UL-RL	1.9852E+04	-10.60	0.000	1.000	1.000
77.95	0.000	0.000	Strato2_3095_82743_L_0									
55 D	15.83	3.6734E-04	94.00	79.13	209.9	107.5	UL-RL	1.9852E+04	-10.80	0.000	1.000	1.000
79.13	0.000	0.000	Strato2_3095_82743_L_0									
56 D	16.06	3.1626E-04	98.00	80.31	213.9	109.5	UL-RL	1.9852E+04	-11.00	0.000	1.000	1.000
80.31	0.000	0.000	Strato2_3095_82743_L_0									
57 D	16.30	2.6588E-04	102.0	81.51	217.9	111.5	UL-RL	1.9852E+04	-11.20	0.000	1.000	1.000
81.51	0.000	0.000	Strato2_3095_82743_L_0									
58 D	16.54	2.1596E-04	106.0	82.71	221.9	113.5	UL-RL	1.9852E+04	-11.40	0.000	1.000	1.000
82.71	0.000	0.000	Strato2_3095_82743_L_0									
59 D	16.78	1.6631E-04	110.0	83.91	225.9	115.5	UL-RL	1.9852E+04	-11.60	0.000	1.000	1.000
83.91	0.000	0.000	Strato2_3095_82743_L_0									
60 D	17.02	1.1680E-04	114.0	85.11	229.9	117.5	UL-RL	1.9852E+04	-11.80	0.000	1.000	1.000
85.11	0.000	0.000	Strato2_3095_82743_L_0									
61 D	8.630	6.7315E-05	118.0	86.30	233.9	119.5	UL-RL	1.9852E+04	-12.00	0.000	1.000	1.000
86.30	0.000	0.000	Strato2_3095_82743_L_0									

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      18:02:25                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.5747     -1.5747     1.26930E-11 0.31494
    2  3.8259     -3.8259    -0.31494      1.0801
    3  5.9441     -5.9441     -1.0801      2.2689
    4  8.7898     -8.7898     -2.2689      4.0269
    5  11.619     -11.619     -4.0269      6.3508
    6  14.959     -14.959     -6.3508      9.3425
    7  18.349     -18.349     -9.3425      13.012
    8  22.164     -22.164     -13.012      17.445
    9  26.028     -26.028     -17.445      22.651
   10  30.276     -30.276     -22.651      28.706
   11  34.643     -34.643     -28.706      35.635
   12  39.365     -39.365     -35.635      43.508
   13 -51.524      51.524     -43.508      33.203
   14 -46.333      46.333     -33.203      23.936
```

15	-40.994	40.994	-23.936	15.738
16	-35.358	35.358	-15.738	8.6659
17	-29.563	29.563	-8.6659	2.7533
18	-23.458	23.458	-2.7533	-1.9382
19	-17.186	17.186	1.9382	-5.3755
20	-10.614	10.614	5.3755	-7.4982
21	-3.8688	3.8688	7.4982	-8.2720
22	3.1705	-3.1705	8.2720	-7.6379
23	10.387	-10.387	7.6379	-5.5605
24	17.877	-17.877	5.5605	-1.9851
25	25.549	-25.549	1.9851	3.1247
26	33.505	-33.505	-3.1247	9.8257
27	41.647	-41.647	-9.8257	18.155
28	50.069	-50.069	-18.155	28.169
29	58.680	-58.680	-28.169	39.905
30	67.567	-67.567	-39.905	53.418
31	76.634	-76.634	-53.418	68.745
32	67.414	-67.414	-68.745	82.228
33	57.603	-57.603	-82.228	93.749
34	47.645	-47.645	-93.749	103.28
35	37.632	-37.632	-103.28	110.80
36	27.689	-27.689	-110.80	116.34
37	18.014	-18.014	-116.34	119.94
38	8.6448	-8.6448	-119.94	121.67
39	-0.49763	0.49763	-121.67	121.57
40	-9.3814	9.3814	-121.57	119.70
41	-17.513	17.513	-119.70	116.20
42	-24.250	24.250	-116.20	111.35
43	-29.800	29.800	-111.35	105.39
44	-34.166	34.166	-105.39	98.552
45	-37.539	37.539	-98.552	91.044
46	-39.923	39.923	-91.044	83.060
47	-41.475	41.475	-83.060	74.765
48	-42.176	42.176	-74.765	66.330
49	-42.175	42.175	-66.330	57.895
50	-41.442	41.442	-57.895	49.606
51	-40.106	40.106	-49.606	41.585
52	-38.123	38.123	-41.585	33.961
53	-35.607	35.607	-33.961	26.839
54	-32.515	32.515	-26.839	20.336
55	-28.931	28.931	-20.336	14.550
56	-24.793	24.793	-14.550	9.5915
57	-20.186	20.186	-9.5915	5.5544
58	-15.041	15.041	-5.5544	2.5462
59	-9.4346	9.4346	-2.5462	0.65923
60	-3.2960	3.2960	-0.65923	1.01952E-12

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:02:25                                             |
+-------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------------
ANCHOR    1   99.123     -6.38098E-04  1.33020E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.SLERara_3454                                   |
|                                  Exe Time :29 July 2019      18:02:25                                             |
+-------------------------------------------------------------------------------------------------------------------+


    F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y
```

```
     STEP                                NO. OF ITERATIONS

        1          CONVERGENCE :YES                    2
        2          CONVERGENCE :YES                    4
        3          CONVERGENCE :YES                    5
        4          CONVERGENCE :YES                    4
        5          CONVERGENCE :YES                    6


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.27 [sec]
```

4.5. Design Assumption : A1+M1+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1
 * Time:lunedì 29 luglio 2019 18:02:26
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -12 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -12 0 1 0
 SOIL 0_R LeftWall_32 -12 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
 * Soil Profile (Strato2_3095_82743_L_0)
 *
 LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 20 10 10
 PERMEABILITY 0.0001
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 108 Name=Fe360 E=206000200 kPa
 MATERIAL Fe360_108 2.06E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 124 Name=acciaio armonico E=200100000 kPa
 MATERIAL acciaioarmonico_124 2.001E+08
 * Concrete material: 103 Name=C20/25 E=29962000 kPa
 MATERIAL C2025_103 2.996E+07

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0


 * 6.2: Supports
 WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0



 * 6.3: Strips
 STRIP LeftWall_32 2 5 0 40 0 11.54 30
 STRIP LeftWall_32 2 5 0 40 0 41.8 45

 * 7: Defining Steps
 STEP Stage1_31
 CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
```

```
CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -6.1
WATER -26 0 -12 0 0
ENDSTEP
```

4.6. Design Assumption : A1+M1+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:02:26                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
```

```
                 **********************************************************
                 *                                                        *
                 *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                 *                                                        *
                 *                                                        *
                 *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE     *
                 *              VIALE   GIUSTINIANO 10                    *
                 *              20129   M I L A N O  (ITALIA)             *
                 *  TEL.        +39 02 2020221   (+39 035 23 67 19)       *
                 *  FAX         +39 02 29512533  (+39 035 42285 49)       *
                 *  email       bruno.becci@ceas.it                       *
                 *  Web Page    www.ceas.it                               *
                 **********************************************************



 JOB : NewProject.BaseDesignSection_28.A1M1R1_3484
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 100                                                           >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



                 **********************************************************
                 *                                                        *
                 *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED   *
                 *    BY THE PROGRAM.                                     *
                 **********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      18:02:26                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ..................   61
NO. OF COORDINATES  (NCOORD)..................    2
NO. OF NODE DOFS    (NDOF)....................    2
NO. OF EQUATIONS    (NEQ)..................... 122
NO. OF CONSTRAINTS CARDS (NVINC)..............    0
NO. OF ELEMENT GROUPS (NEG)...................    4
NO. OF SOLUTION STEPS (NSTE)..................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ....................   89
NO. OF LONG NAMES (LASTNAME) .................   21
LENGTH UNIT CHOICE ...........................    3 (M    )
FORCE  UNIT CHOICE ...........................    3 (KN   )
MAX PORE PRESSURE TABLE LENGTH................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:02:26                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     89

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : STRIP LeftWall_32 2 5 0 40 0 11.54 30
   30 : STRIP LeftWall_32 2 5 0 40 0 41.8 45
   31 : STEP Stage1_31
   32 : CHANGE Strato1_2_8_L_0 U-FRICT=29 LeftWall_32
   33 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   34 : CHANGE Strato1_2_8_L_0 U-KA=0.304 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 U-KP=4.041 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 D-KA=0.304 LeftWall_32
   37 : CHANGE Strato1_2_8_L_0 D-KP=4.041 LeftWall_32
   38 : CHANGE Strato2_3095_82743_L_0 U-FRICT=35 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 U-KA=0.235 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 U-KP=5.879 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 D-KA=0.235 LeftWall_32
   43 : CHANGE Strato2_3095_82743_L_0 D-KP=5.879 LeftWall_32
   44 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   45 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   46 : CHANGE Strato2_3095_82743_L_0 U-COHE=20 LeftWall_32
   47 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   48 : SETWALL LeftWall_32
   49 : GEOM 0 0
   50 : WATER -26 0 -12 0 0
   51 : ADD WallElement_33
   52 : ENDSTEP
   53 : STEP Stage2_755438
   54 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   55 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   56 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   57 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   58 : SETWALL LeftWall_32
   59 : GEOM 0 0
   60 : WATER -26 0 -12 0 0
   61 : ENDSTEP
   62 : STEP Stage3_158
   63 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   64 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   65 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   66 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   67 : SETWALL LeftWall_32
   68 : GEOM 0 -2.9
   69 : WATER -26 0 -12 0 0
   70 : ENDSTEP
   71 : STEP Stage4_617
   72 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   73 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   74 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
```

```
   75 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   76 : SETWALL LeftWall_32
   77 : GEOM 0 -2.9
   78 : WATER -26 0 -12 0 0
   79 : ADD Tirante1_429
   80 : ENDSTEP
   81 : STEP Stage5_714
   82 : CHANGE Strato1_2_8_L_0 D-FRICT=29 LeftWall_32
   83 : CHANGE Strato2_3095_82743_L_0 D-FRICT=35 LeftWall_32
   84 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   85 : CHANGE Strato2_3095_82743_L_0 D-COHE=20 LeftWall_32
   86 : SETWALL LeftWall_32
   87 : GEOM 0 -6.1
   88 : WATER -26 0 -12 0 0
   89 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:02:26                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:02:26                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000
```

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	2	0.2000	0.000	0.000	0.000	1.000
33	33	2	0.2000	0.000	0.000	0.000	1.000
34	34	2	0.2000	0.000	0.000	0.000	1.000
35	35	2	0.2000	0.000	0.000	0.000	1.000
36	36	2	0.2000	0.000	0.000	0.000	1.000
37	37	2	0.2000	0.000	0.000	0.000	1.000
38	38	2	0.2000	0.000	0.000	0.000	1.000
39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:02:26                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                            :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis
```

stage	status
1	active
2	active
3	active
4	active
5	active

material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

material set no. 2

prop(1) angle 180.000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000

```
    60    60     2    0.2000      0.000      0.000      0.000      2.000
    61    61     2    0.1000      0.000      0.000      0.000      2.000



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      18:02:26                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
```

34	34	35	1	0.000	0.000	0.6848	0.000	0.000
35	35	36	1	0.000	0.000	0.6848	0.000	0.000
36	36	37	1	0.000	0.000	0.6848	0.000	0.000
37	37	38	1	0.000	0.000	0.6848	0.000	0.000
38	38	39	1	0.000	0.000	0.6848	0.000	0.000
39	39	40	1	0.000	0.000	0.6848	0.000	0.000
40	40	41	1	0.000	0.000	0.6848	0.000	0.000
41	41	42	1	0.000	0.000	0.6848	0.000	0.000
42	42	43	1	0.000	0.000	0.6848	0.000	0.000
43	43	44	1	0.000	0.000	0.6848	0.000	0.000
44	44	45	1	0.000	0.000	0.6848	0.000	0.000
45	45	46	1	0.000	0.000	0.6848	0.000	0.000
46	46	47	1	0.000	0.000	0.6848	0.000	0.000
47	47	48	1	0.000	0.000	0.6848	0.000	0.000
48	48	49	1	0.000	0.000	0.6848	0.000	0.000
49	49	50	1	0.000	0.000	0.6848	0.000	0.000
50	50	51	1	0.000	0.000	0.6848	0.000	0.000
51	51	52	1	0.000	0.000	0.6848	0.000	0.000
52	52	53	1	0.000	0.000	0.6848	0.000	0.000
53	53	54	1	0.000	0.000	0.6848	0.000	0.000
54	54	55	1	0.000	0.000	0.6848	0.000	0.000
55	55	56	1	0.000	0.000	0.6848	0.000	0.000
56	56	57	1	0.000	0.000	0.6848	0.000	0.000
57	57	58	1	0.000	0.000	0.6848	0.000	0.000
58	58	59	1	0.000	0.000	0.6848	0.000	0.000
59	59	60	1	0.000	0.000	0.6848	0.000	0.000
60	60	61	1	0.000	0.000	0.6848	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                   Exe Time :29 July 2019      18:02:26                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2  inactive
    3  inactive
    4   active
    5   active

 material set no.    1

 prop( 1) angle          15.0000
 prop( 2) young modulus 0.200100E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000
    4   0.000       0.000
    5   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1   13    1   0.1316E-04 93.94     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                   Exe Time :29 July 2019      18:02:26                                                  |
```

```
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5


+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
|                                 Exe Time :29 July 2019      18:02:26                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00
```

```
     LOAD FUNCTION NUMBER   =    6
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        0.80000    0.0000E+00
        1.00000    0.1000E+01
        6.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    7
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        1.80000    0.0000E+00
        2.00000    0.1000E+01
        6.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    8
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        6.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    9
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        3.80000    0.0000E+00
        4.00000    0.1000E+01
        6.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =   10
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        4.80000    0.0000E+00
        5.00000    0.1000E+01
        6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                  Exe Time :29 July 2019      18:02:26                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000
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STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
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ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
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ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
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ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.30400     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.0410     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.30400     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.0410     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.23500     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.8790     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.23500     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.8790     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     10 VALUES




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                   Exe Time :29 July 2019      18:02:26                                                |
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PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL     RIGHT WALL
Y                                      0.000        -0.9990E+30
Z-PC                                   0.000          0.000
```

Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00

WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.100	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000

```
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step    5


 LEFT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                 Exe Time :29 July 2019      18:02:26                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L   S T R E S S   T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          11.5400000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          41.8000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3530

 NO. OF D.P.W  FOR THIS AREA       7258
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
```

```
            RINORM=0.2153E+05 RIMNOR= 0.000
            RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
            RFMAX = 22.99     RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.2153E+05 RDR   = 0.000
            RATIOT= 0.000     RATIOR= 0.000
            MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
            MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     1 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.2153E+05 RIMNOR= 0.000
            RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
            RFMAX = 22.99     RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.2153E+05 RDR   = 0.000
            RATIOT= 0.000     RATIOR= 0.000
            MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
            MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     2 RNORM = 0.000     RMNORM= 0.000
            RINORM=0.2153E+05 RIMNOR= 0.000
            RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
            RFMAX = 22.99     RMMAX = 0.000
            RTSMAL=0.1000E-03 RMSMAL= 0.000
            RDT   =0.2153E+05 RDR   = 0.000
            RATIOT= 0.000     RATIOR= 0.000
            MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
            MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                 Exe Time :29 July 2019      18:02:26                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                 Exe Time :29 July 2019      18:02:26                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.1221E+04   0.000       0.000        1.000       1.000
```

```
0.000       0.000       0.000     Strato1_2_8_L_0
   2 D  0.4028       0.000       3.800       2.014       3.800       2.014     V-C  2.1221E+04 -0.2000       0.000       1.000       1.000
2.014       0.000       0.000     Strato1_2_8_L_0
   3 D  0.8056       0.000       7.600       4.028       7.600       4.028     V-C  2.1221E+04 -0.4000       0.000       1.000       1.000
4.028       0.000       0.000     Strato1_2_8_L_0
   4 D   1.208       0.000       11.40       6.042       11.40       6.042     V-C  2.1221E+04 -0.6000       0.000       1.000       1.000
6.042       0.000       0.000     Strato1_2_8_L_0
   5 D   1.611       0.000       15.20       8.056       15.20       8.056     V-C  2.1221E+04 -0.8000       0.000       1.000       1.000
8.056       0.000       0.000     Strato1_2_8_L_0
   6 D   2.014       0.000       19.00       10.07       19.00       10.07     V-C  2.1221E+04  -1.000       0.000       1.000       1.000
10.07       0.000       0.000     Strato1_2_8_L_0
   7 D   2.417       0.000       22.80       12.08       22.80       12.08     V-C  2.1221E+04  -1.200       0.000       1.000       1.000
12.08       0.000       0.000     Strato1_2_8_L_0
   8 D   2.820       0.000       26.60       14.10       26.60       14.10     V-C  2.1221E+04  -1.400       0.000       1.000       1.000
14.10       0.000       0.000     Strato1_2_8_L_0
   9 D   3.222       0.000       30.40       16.11       30.40       16.11     V-C  2.1221E+04  -1.600       0.000       1.000       1.000
16.11       0.000       0.000     Strato1_2_8_L_0
  10 D   3.625       0.000       34.20       18.13       34.20       18.13     V-C  2.1221E+04  -1.800       0.000       1.000       1.000
18.13       0.000       0.000     Strato1_2_8_L_0
  11 D   4.028       0.000       38.00       20.14       38.00       20.14     V-C  2.1221E+04  -2.000       0.000       1.000       1.000
20.14       0.000       0.000     Strato1_2_8_L_0
  12 D   4.431       0.000       41.80       22.15       41.80       22.15     V-C  2.1221E+04  -2.200       0.000       1.000       1.000
22.15       0.000       0.000     Strato1_2_8_L_0
  13 D   4.834       0.000       45.60       24.17       45.60       24.17     V-C  2.1221E+04  -2.400       0.000       1.000       1.000
24.17       0.000       0.000     Strato1_2_8_L_0
  14 D   5.236       0.000       49.40       26.18       49.40       26.18     V-C  2.1221E+04  -2.600       0.000       1.000       1.000
26.18       0.000       0.000     Strato1_2_8_L_0
  15 D   5.639       0.000       53.20       28.20       53.20       28.20     V-C  2.1221E+04  -2.800       0.000       1.000       1.000
28.20       0.000       0.000     Strato1_2_8_L_0
  16 D   6.042       0.000       57.00       30.21       57.00       30.21     V-C  2.1221E+04  -3.000       0.000       1.000       1.000
30.21       0.000       0.000     Strato1_2_8_L_0
  17 D   6.445       0.000       60.80       32.22       60.80       32.22     V-C  2.1221E+04  -3.200       0.000       1.000       1.000
32.22       0.000       0.000     Strato1_2_8_L_0
  18 D   6.848       0.000       64.60       34.24       64.60       34.24     V-C  2.1221E+04  -3.400       0.000       1.000       1.000
34.24       0.000       0.000     Strato1_2_8_L_0
  19 D   7.250       0.000       68.40       36.25       68.40       36.25     V-C  2.1221E+04  -3.600       0.000       1.000       1.000
36.25       0.000       0.000     Strato1_2_8_L_0
  20 D   7.653       0.000       72.20       38.27       72.20       38.27     V-C  2.1221E+04  -3.800       0.000       1.000       1.000
38.27       0.000       0.000     Strato1_2_8_L_0
  21 D   8.056       0.000       76.00       40.28       76.00       40.28     V-C  2.1221E+04  -4.000       0.000       1.000       1.000
40.28       0.000       0.000     Strato1_2_8_L_0
  22 D   8.459       0.000       79.80       42.29       79.80       42.29     V-C  2.1221E+04  -4.200       0.000       1.000       1.000
42.29       0.000       0.000     Strato1_2_8_L_0
  23 D   8.862       0.000       83.60       44.31       83.60       44.31     V-C  2.1221E+04  -4.400       0.000       1.000       1.000
44.31       0.000       0.000     Strato1_2_8_L_0
  24 D   9.264       0.000       87.40       46.32       87.40       46.32     V-C  2.1221E+04  -4.600       0.000       1.000       1.000
46.32       0.000       0.000     Strato1_2_8_L_0
  25 D   9.667       0.000       91.20       48.34       91.20       48.34     V-C  2.1221E+04  -4.800       0.000       1.000       1.000
48.34       0.000       0.000     Strato1_2_8_L_0
  26 D   10.07       0.000       95.00       50.35       95.00       50.35     V-C  2.1221E+04  -5.000       0.000       1.000       1.000
50.35       0.000       0.000     Strato1_2_8_L_0
  27 D   10.47       0.000       98.80       52.36       98.80       52.36     V-C  2.1221E+04  -5.200       0.000       1.000       1.000
52.36       0.000       0.000     Strato1_2_8_L_0
  28 D   10.88       0.000       102.6       54.38       102.6       54.38     V-C  2.1221E+04  -5.400       0.000       1.000       1.000
54.38       0.000       0.000     Strato1_2_8_L_0
  29 D   11.28       0.000       106.4       56.39       106.4       56.39     V-C  2.1221E+04  -5.600       0.000       1.000       1.000
56.39       0.000       0.000     Strato1_2_8_L_0
  30 D   11.68       0.000       110.2       58.41       110.2       58.41     V-C  2.1221E+04  -5.800       0.000       1.000       1.000
58.41       0.000       0.000     Strato1_2_8_L_0
  31 D   12.08       0.000       114.0       60.42       114.0       60.42     V-C  2.1221E+04  -6.000       0.000       1.000       1.000
60.42       0.000       0.000     Strato1_2_8_L_0
  32 D   11.79       0.000       117.9       58.95       117.9       58.95     V-C  6.0031E+04  -6.200       0.000       1.000       1.000
58.95       0.000       0.000     Strato2_3095_82743_L_0
  33 D   12.19       0.000       121.9       60.95       121.9       60.95     V-C  6.0031E+04  -6.400       0.000       1.000       1.000
60.95       0.000       0.000     Strato2_3095_82743_L_0
  34 D   12.59       0.000       125.9       62.95       125.9       62.95     V-C  6.0031E+04  -6.600       0.000       1.000       1.000
62.95       0.000       0.000     Strato2_3095_82743_L_0
  35 D   12.99       0.000       129.9       64.95       129.9       64.95     V-C  6.0031E+04  -6.800       0.000       1.000       1.000
64.95       0.000       0.000     Strato2_3095_82743_L_0
  36 D   13.39       0.000       133.9       66.95       133.9       66.95     V-C  6.0031E+04  -7.000       0.000       1.000       1.000
66.95       0.000       0.000     Strato2_3095_82743_L_0
  37 D   13.79       0.000       137.9       68.95       137.9       68.95     V-C  6.0031E+04  -7.200       0.000       1.000       1.000
68.95       0.000       0.000     Strato2_3095_82743_L_0
  38 D   14.19       0.000       141.9       70.95       141.9       70.95     V-C  6.0031E+04  -7.400       0.000       1.000       1.000
70.95       0.000       0.000     Strato2_3095_82743_L_0
  39 D   14.59       0.000       145.9       72.95       145.9       72.95     V-C  6.0031E+04  -7.600       0.000       1.000       1.000
72.95       0.000       0.000     Strato2_3095_82743_L_0
  40 D   14.99       0.000       149.9       74.95       149.9       74.95     V-C  6.0031E+04  -7.800       0.000       1.000       1.000
74.95       0.000       0.000     Strato2_3095_82743_L_0
  41 D   15.39       0.000       153.9       76.95       153.9       76.95     V-C  6.0031E+04  -8.000       0.000       1.000       1.000
76.95       0.000       0.000     Strato2_3095_82743_L_0
  42 D   15.79       0.000       157.9       78.95       157.9       78.95     V-C  6.0031E+04  -8.200       0.000       1.000       1.000
78.95       0.000       0.000     Strato2_3095_82743_L_0
  43 D   16.19       0.000       161.9       80.95       161.9       80.95     V-C  6.0031E+04  -8.400       0.000       1.000       1.000
80.95       0.000       0.000     Strato2_3095_82743_L_0
```

44 D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	6.0031E+04	-8.600	0.000	1.000	1.000	82.95	0.000	0.000	Strato2_3095_82743_L_0
45 D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	6.0031E+04	-8.800	0.000	1.000	1.000	84.95	0.000	0.000	Strato2_3095_82743_L_0
46 D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	6.0031E+04	-9.000	0.000	1.000	1.000	86.95	0.000	0.000	Strato2_3095_82743_L_0
47 D	17.79	0.000	177.9	88.95	177.9	88.95	V-C	6.0031E+04	-9.200	0.000	1.000	1.000	88.95	0.000	0.000	Strato2_3095_82743_L_0
48 D	18.19	0.000	181.9	90.95	181.9	90.95	V-C	6.0031E+04	-9.400	0.000	1.000	1.000	90.95	0.000	0.000	Strato2_3095_82743_L_0
49 D	18.59	0.000	185.9	92.95	185.9	92.95	V-C	6.0031E+04	-9.600	0.000	1.000	1.000	92.95	0.000	0.000	Strato2_3095_82743_L_0
50 D	18.99	0.000	189.9	94.95	189.9	94.95	V-C	6.0031E+04	-9.800	0.000	1.000	1.000	94.95	0.000	0.000	Strato2_3095_82743_L_0
51 D	19.39	0.000	193.9	96.95	193.9	96.95	V-C	6.0031E+04	-10.00	0.000	1.000	1.000	96.95	0.000	0.000	Strato2_3095_82743_L_0
52 D	19.79	0.000	197.9	98.95	197.9	98.95	V-C	6.0031E+04	-10.20	0.000	1.000	1.000	98.95	0.000	0.000	Strato2_3095_82743_L_0
53 D	20.19	0.000	201.9	100.9	201.9	100.9	V-C	6.0031E+04	-10.40	0.000	1.000	1.000	100.9	0.000	0.000	Strato2_3095_82743_L_0
54 D	20.59	0.000	205.9	102.9	205.9	102.9	V-C	6.0031E+04	-10.60	0.000	1.000	1.000	102.9	0.000	0.000	Strato2_3095_82743_L_0
55 D	20.99	0.000	209.9	104.9	209.9	104.9	V-C	6.0031E+04	-10.80	0.000	1.000	1.000	104.9	0.000	0.000	Strato2_3095_82743_L_0
56 D	21.39	0.000	213.9	106.9	213.9	106.9	V-C	6.0031E+04	-11.00	0.000	1.000	1.000	106.9	0.000	0.000	Strato2_3095_82743_L_0
57 D	21.79	0.000	217.9	108.9	217.9	108.9	V-C	6.0031E+04	-11.20	0.000	1.000	1.000	108.9	0.000	0.000	Strato2_3095_82743_L_0
58 D	22.19	0.000	221.9	110.9	221.9	110.9	V-C	6.0031E+04	-11.40	0.000	1.000	1.000	110.9	0.000	0.000	Strato2_3095_82743_L_0
59 D	22.59	0.000	225.9	112.9	225.9	112.9	V-C	6.0031E+04	-11.60	0.000	1.000	1.000	112.9	0.000	0.000	Strato2_3095_82743_L_0
60 D	22.99	0.000	229.9	114.9	229.9	114.9	V-C	6.0031E+04	-11.80	0.000	1.000	1.000	114.9	0.000	0.000	Strato2_3095_82743_L_0
61 D	11.70	0.000	233.9	116.9	233.9	116.9	V-C	6.0031E+04	-12.00	0.000	1.000	1.000	117.0	0.000	0.000	Strato2_3095_82743_L_0

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+-----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                          |
|                                   Exe Time :29 July 2019      18:02:26                                    |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    2

0_R                            :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.4726E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2	D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.4726E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3	D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.4726E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4	D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.4726E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5	D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.4726E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6	D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.4726E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7	D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.4726E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8	D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.4726E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0
9	D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.4726E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10	D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.4726E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11	D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.4726E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12	D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.4726E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13	D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.4726E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14	D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.4726E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15	D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.4726E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16	D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.4726E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17	D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.4726E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18	D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.4726E+04	-3.400	0.000	1.000	1.000	34.24	0.000	0.000	Strato1_2_8_L_0
19	D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.4726E+04	-3.600	0.000	1.000	1.000	36.25	0.000	0.000	Strato1_2_8_L_0
20	D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.4726E+04	-3.800	0.000	1.000	1.000	38.27	0.000	0.000	Strato1_2_8_L_0
21	D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.4726E+04	-4.000	0.000	1.000	1.000	40.28	0.000	0.000	Strato1_2_8_L_0
22	D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.4726E+04	-4.200	0.000	1.000	1.000	42.29	0.000	0.000	Strato1_2_8_L_0
23	D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.4726E+04	-4.400	0.000	1.000	1.000	44.31	0.000	0.000	Strato1_2_8_L_0
24	D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.4726E+04	-4.600	0.000	1.000	1.000	46.32	0.000	0.000	Strato1_2_8_L_0
25	D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.4726E+04	-4.800	0.000	1.000	1.000	48.34	0.000	0.000	Strato1_2_8_L_0
26	D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.4726E+04	-5.000	0.000	1.000	1.000	50.35	0.000	0.000	Strato1_2_8_L_0
27	D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.4726E+04	-5.200	0.000	1.000	1.000	52.36	0.000	0.000	Strato1_2_8_L_0
28	D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.4726E+04	-5.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
29	D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.4726E+04	-5.600	0.000	1.000	1.000	56.39	0.000	0.000	Strato1_2_8_L_0
30	D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.4726E+04	-5.800	0.000	1.000	1.000				

58.41 0.000 0.000 Strato1_2_8_L_0
31 D 12.08 0.000 114.0 60.42 114.0 60.42 V-C 1.4726E+04 -6.000 0.000 1.000 1.000
60.42 0.000 0.000 Strato1_2_8_L_0
32 D 11.79 0.000 117.9 58.95 117.9 58.95 V-C 3.2535E+04 -6.200 0.000 1.000 1.000
58.95 0.000 0.000 Strato2_3095_82743_L_0
33 D 12.19 0.000 121.9 60.95 121.9 60.95 V-C 3.2535E+04 -6.400 0.000 1.000 1.000
60.95 0.000 0.000 Strato2_3095_82743_L_0
34 D 12.59 0.000 125.9 62.95 125.9 62.95 V-C 3.2535E+04 -6.600 0.000 1.000 1.000
62.95 0.000 0.000 Strato2_3095_82743_L_0
35 D 12.99 0.000 129.9 64.95 129.9 64.95 V-C 3.2535E+04 -6.800 0.000 1.000 1.000
64.95 0.000 0.000 Strato2_3095_82743_L_0
36 D 13.39 0.000 133.9 66.95 133.9 66.95 V-C 3.2535E+04 -7.000 0.000 1.000 1.000
66.95 0.000 0.000 Strato2_3095_82743_L_0
37 D 13.79 0.000 137.9 68.95 137.9 68.95 V-C 3.2535E+04 -7.200 0.000 1.000 1.000
68.95 0.000 0.000 Strato2_3095_82743_L_0
38 D 14.19 0.000 141.9 70.95 141.9 70.95 V-C 3.2535E+04 -7.400 0.000 1.000 1.000
70.95 0.000 0.000 Strato2_3095_82743_L_0
39 D 14.59 0.000 145.9 72.95 145.9 72.95 V-C 3.2535E+04 -7.600 0.000 1.000 1.000
72.95 0.000 0.000 Strato2_3095_82743_L_0
40 D 14.99 0.000 149.9 74.95 149.9 74.95 V-C 3.2535E+04 -7.800 0.000 1.000 1.000
74.95 0.000 0.000 Strato2_3095_82743_L_0
41 D 15.39 0.000 153.9 76.95 153.9 76.95 V-C 3.2535E+04 -8.000 0.000 1.000 1.000
76.95 0.000 0.000 Strato2_3095_82743_L_0
42 D 15.79 0.000 157.9 78.95 157.9 78.95 V-C 3.2535E+04 -8.200 0.000 1.000 1.000
78.95 0.000 0.000 Strato2_3095_82743_L_0
43 D 16.19 0.000 161.9 80.95 161.9 80.95 V-C 3.2535E+04 -8.400 0.000 1.000 1.000
80.95 0.000 0.000 Strato2_3095_82743_L_0
44 D 16.59 0.000 165.9 82.95 165.9 82.95 V-C 3.2535E+04 -8.600 0.000 1.000 1.000
82.95 0.000 0.000 Strato2_3095_82743_L_0
45 D 16.99 0.000 169.9 84.95 169.9 84.95 V-C 3.2535E+04 -8.800 0.000 1.000 1.000
84.95 0.000 0.000 Strato2_3095_82743_L_0
46 D 17.39 0.000 173.9 86.95 173.9 86.95 V-C 3.2535E+04 -9.000 0.000 1.000 1.000
86.95 0.000 0.000 Strato2_3095_82743_L_0
47 D 17.79 0.000 177.9 88.95 177.9 88.95 V-C 3.2535E+04 -9.200 0.000 1.000 1.000
88.95 0.000 0.000 Strato2_3095_82743_L_0
48 D 18.19 0.000 181.9 90.95 181.9 90.95 V-C 3.2535E+04 -9.400 0.000 1.000 1.000
90.95 0.000 0.000 Strato2_3095_82743_L_0
49 D 18.59 0.000 185.9 92.95 185.9 92.95 V-C 3.2535E+04 -9.600 0.000 1.000 1.000
92.95 0.000 0.000 Strato2_3095_82743_L_0
50 D 18.99 0.000 189.9 94.95 189.9 94.95 V-C 3.2535E+04 -9.800 0.000 1.000 1.000
94.95 0.000 0.000 Strato2_3095_82743_L_0
51 D 19.39 0.000 193.9 96.95 193.9 96.95 V-C 3.2535E+04 -10.00 0.000 1.000 1.000
96.95 0.000 0.000 Strato2_3095_82743_L_0
52 D 19.79 0.000 197.9 98.95 197.9 98.95 V-C 3.2535E+04 -10.20 0.000 1.000 1.000
98.95 0.000 0.000 Strato2_3095_82743_L_0
53 D 20.19 0.000 201.9 100.9 201.9 100.9 V-C 3.2535E+04 -10.40 0.000 1.000 1.000
100.9 0.000 0.000 Strato2_3095_82743_L_0
54 D 20.59 0.000 205.9 102.9 205.9 102.9 V-C 3.2535E+04 -10.60 0.000 1.000 1.000
102.9 0.000 0.000 Strato2_3095_82743_L_0
55 D 20.99 0.000 209.9 104.9 209.9 104.9 V-C 3.2535E+04 -10.80 0.000 1.000 1.000
104.9 0.000 0.000 Strato2_3095_82743_L_0
56 D 21.39 0.000 213.9 106.9 213.9 106.9 V-C 3.2535E+04 -11.00 0.000 1.000 1.000
106.9 0.000 0.000 Strato2_3095_82743_L_0
57 D 21.79 0.000 217.9 108.9 217.9 108.9 V-C 3.2535E+04 -11.20 0.000 1.000 1.000
108.9 0.000 0.000 Strato2_3095_82743_L_0
58 D 22.19 0.000 221.9 110.9 221.9 110.9 V-C 3.2535E+04 -11.40 0.000 1.000 1.000
110.9 0.000 0.000 Strato2_3095_82743_L_0
59 D 22.59 0.000 225.9 112.9 225.9 112.9 V-C 3.2535E+04 -11.60 0.000 1.000 1.000
112.9 0.000 0.000 Strato2_3095_82743_L_0
60 D 22.99 0.000 229.9 114.9 229.9 114.9 V-C 3.2535E+04 -11.80 0.000 1.000 1.000
114.9 0.000 0.000 Strato2_3095_82743_L_0
61 D 11.70 0.000 233.9 116.9 233.9 116.9 V-C 3.2535E+04 -12.00 0.000 1.000 1.000
117.0 0.000 0.000 Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
   32  0.0000      0.0000      0.0000      0.0000
   33  0.0000      0.0000      0.0000      0.0000
   34  0.0000      0.0000      0.0000      0.0000
   35  0.0000      0.0000      0.0000      0.0000
   36  0.0000      0.0000      0.0000      0.0000
   37  0.0000      0.0000      0.0000      0.0000
   38  0.0000      0.0000      0.0000      0.0000
   39  0.0000      0.0000      0.0000      0.0000
   40  0.0000      0.0000      0.0000      0.0000
   41  0.0000      0.0000      0.0000      0.0000
   42  0.0000      0.0000      0.0000      0.0000
   43  0.0000      0.0000      0.0000      0.0000
   44  0.0000      0.0000      0.0000      0.0000
   45  0.0000      0.0000      0.0000      0.0000
   46  0.0000      0.0000      0.0000      0.0000
   47  0.0000      0.0000      0.0000      0.0000
   48  0.0000      0.0000      0.0000      0.0000
   49  0.0000      0.0000      0.0000      0.0000
   50  0.0000      0.0000      0.0000      0.0000
   51  0.0000      0.0000      0.0000      0.0000
   52  0.0000      0.0000      0.0000      0.0000
   53  0.0000      0.0000      0.0000      0.0000
   54  0.0000      0.0000      0.0000      0.0000
   55  0.0000      0.0000      0.0000      0.0000
   56  0.0000      0.0000      0.0000      0.0000
   57  0.0000      0.0000      0.0000      0.0000
   58  0.0000      0.0000      0.0000      0.0000
   59  0.0000      0.0000      0.0000      0.0000
   60  0.0000      0.0000      0.0000      0.0000
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2756E+05 RIMNOR= 0.000
           RENORM= 835.9     REMNOR= 0.000     RATIO =0.1742     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.69     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2756E+05 RDR   = 0.000
           RATIOT=0.1742     RATIOR= 0.000
           MAX UN= 3.950     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2756E+05 RIMNOR= 0.000
           RENORM= 10.29     REMNOR=0.8421E-21 RATIO =0.1932E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.69     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2756E+05 RDR   = 0.000
           RATIOT=0.1932E-01 RATIOR= 0.000
           MAX UN= 1.762     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.1154E-09 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2756E+05 RIMNOR= 0.000
           RENORM= 1.583     REMNOR=0.9595E-22 RATIO =0.7580E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.69     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2756E+05 RDR   = 0.000
           RATIOT=0.7580E-02 RATIOR= 0.000
           MAX UN=0.9489     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.8417E-10 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2756E+05 RIMNOR= 0.000
           RENORM=0.3356E-03 REMNOR=0.2621E-21 RATIO =0.1104E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.69     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2756E+05 RDR   = 0.000
           RATIOT=0.1104E-03 RATIOR= 0.000
           MAX UN=0.1688E-01 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-.9340E-10 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2756E+05 RIMNOR= 0.000
           RENORM=0.2229E-08 REMNOR=0.1150E-21 RATIO =0.2844E-06 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 26.69     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2756E+05 RDR   = 0.000
           RATIOT=0.2844E-06 RATIOR= 0.000
           MAX UN=0.2740E-04 IEQ=   111 NODE     56 DOF   1  Y-DISPL.F
           MIN UN=-.6282E-10 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   4.5578115E-04  -6.3372809E-05
    2   4.4310916E-04  -6.3334314E-05
    3   4.3045350E-04  -6.3204737E-05
    4   4.1783444E-04  -6.2967516E-05
    5   4.0527458E-04  -6.2609024E-05
    6   3.9279980E-04  -6.2115974E-05
    7   3.8043767E-04  -6.1480653E-05
    8   3.6821727E-04  -6.0699377E-05
    9   3.5616749E-04  -5.9774542E-05
   10   3.4431644E-04  -5.8714844E-05
   11   3.3268948E-04  -5.7536262E-05
   12   3.2130843E-04  -5.6260275E-05
   13   3.1019002E-04  -5.4914606E-05
   14   2.9934499E-04  -5.3532872E-05
   15   2.8877676E-04  -5.2152811E-05
   16   2.7848137E-04  -5.0810213E-05
   17   2.6844825E-04  -4.9533915E-05
   18   2.5866194E-04  -4.8345542E-05
   19   2.4910324E-04  -4.7259008E-05
   20   2.3975115E-04  -4.6280402E-05
   21   2.3058397E-04  -4.5408513E-05
   22   2.2158120E-04  -4.4634734E-05
   23   2.1272457E-04  -4.3943486E-05
   24   2.0399981E-04  -4.3312130E-05
   25   1.9539764E-04  -4.2712020E-05
   26   1.8691524E-04  -4.2108396E-05
   27   1.7855731E-04  -4.1459937E-05
   28   1.7033749E-04  -4.0718701E-05
   29   1.6227963E-04  -3.9830408E-05
   30   1.5441917E-04  -3.8734408E-05
   31   1.4680418E-04  -3.7363802E-05
   32   1.3949684E-04  -3.5645957E-05
   33   1.3256794E-04  -3.3596546E-05
   34   1.2607372E-04  -3.1314665E-05
   35   1.2005189E-04  -2.8885462E-05
   36   1.1452455E-04  -2.6381076E-05
   37   1.0950048E-04  -2.3861793E-05
   38   1.0497756E-04  -2.1376997E-05
   39   1.0094473E-04  -1.8966393E-05
   40   9.7383962E-05  -1.6661345E-05
   41   9.4271553E-05  -1.4485955E-05
   42   9.1579782E-05  -1.2457537E-05
   43   8.9277974E-05  -1.0587582E-05
   44   8.7333755E-05  -8.8825341E-06
   45   8.5713826E-05  -7.3446203E-06
   46   8.4384865E-05  -5.9724651E-06
   47   8.3314050E-05  -4.7621591E-06
   48   8.2469609E-05  -3.7077278E-06
   49   8.1821090E-05  -2.8013206E-06
   50   8.1339838E-05  -2.0335955E-06
   51   8.0999105E-05  -1.3941122E-06
   52   8.0774389E-05  -8.7161116E-07
   53   8.0643444E-05  -4.5436166E-07
   54   8.0586447E-05  -1.3018099E-07
   55   8.0585964E-05   1.1288634E-07
   56   8.0626978E-05   2.8659997E-07
   57   8.0696764E-05   4.0272256E-07
   58   8.0785012E-05   4.7301491E-07
   59   8.0883694E-05   5.0915428E-07
   60   8.0987169E-05   5.2273483E-07
   61   8.1092053E-05   5.2522154E-07
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                            |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                            |
|                                  Exe Time :29 July 2019      18:02:26                                      |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                               :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.622	-4.5578E-04	53.34	16.22	53.34	28.27	ACTIVE	0.000	0.000	0.000	1.000	1.000	16.22	0.000	0.000	Strato1_2_8_L_0
2 D	2.301	-4.4311E-04	37.85	11.51	37.85	20.06	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.51	0.000	0.000	Strato1_2_8_L_0
3 D	2.178	-4.3045E-04	35.82	10.89	35.82	18.98	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.89	0.000	0.000	Strato1_2_8_L_0
4 D	2.909	-4.1783E-04	47.84	14.54	47.84	25.36	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.54	0.000	0.000	Strato1_2_8_L_0
5 D	2.895	-4.0527E-04	47.61	14.47	47.61	25.23	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.47	0.000	0.000	Strato1_2_8_L_0
6 D	3.406	-3.9280E-04	56.02	17.03	56.02	29.69	ACTIVE	0.000	-1.000	0.000	1.000	1.000	17.03	0.000	0.000	Strato1_2_8_L_0
7 D	3.458	-3.8044E-04	56.87	17.29	56.87	30.14	ACTIVE	0.000	-1.200	0.000	1.000	1.000	17.29	0.000	0.000	Strato1_2_8_L_0
8 D	3.883	-3.6822E-04	63.86	19.41	63.86	33.85	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.41	0.000	0.000	Strato1_2_8_L_0
9 D	3.926	-3.5617E-04	64.58	19.63	64.58	34.23	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.311	-3.4432E-04	70.91	21.56	70.91	37.58	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.56	0.000	0.000	Strato1_2_8_L_0
11 D	4.431	-3.3269E-04	72.88	22.16	72.88	38.63	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.16	0.000	0.000	Strato1_2_8_L_0
12 D	4.786	-3.2131E-04	78.72	23.93	78.72	41.72	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.93	0.000	0.000	Strato1_2_8_L_0
13 D	4.922	-3.1019E-04	80.96	24.61	80.96	42.91	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.61	0.000	0.000	Strato1_2_8_L_0
14 D	5.353	-2.9934E-04	86.46	26.77	86.46	45.82	UL-RL	6.3662E+04	-2.600	0.000	1.000	1.000	26.77	0.000	0.000	Strato1_2_8_L_0
15 D	5.747	-2.8878E-04	88.90	28.73	88.90	47.12	UL-RL	6.3662E+04	-2.800	0.000	1.000	1.000	28.73	0.000	0.000	Strato1_2_8_L_0
16 D	6.391	-2.7848E-04	93.74	31.95	93.74	49.68	UL-RL	6.3662E+04	-3.000	0.000	1.000	1.000	31.95	0.000	0.000	Strato1_2_8_L_0
17 D	6.796	-2.6845E-04	96.36	33.98	96.36	51.07	UL-RL	6.3662E+04	-3.200	0.000	1.000	1.000	33.98	0.000	0.000	Strato1_2_8_L_0
18 D	7.462	-2.5866E-04	101.5	37.31	101.5	53.78	UL-RL	6.3662E+04	-3.400	0.000	1.000	1.000	37.31	0.000	0.000	Strato1_2_8_L_0
19 D	7.875	-2.4910E-04	104.2	39.37	104.2	55.23	UL-RL	6.3662E+04	-3.600	0.000	1.000	1.000	39.37	0.000	0.000	Strato1_2_8_L_0
20 D	8.520	-2.3975E-04	109.2	42.60	109.2	57.86	UL-RL	6.3662E+04	-3.800	0.000	1.000	1.000	42.60	0.000	0.000	Strato1_2_8_L_0
21 D	8.937	-2.3058E-04	112.0	44.69	112.0	59.37	UL-RL	6.3662E+04	-4.000	0.000	1.000	1.000	44.69	0.000	0.000	Strato1_2_8_L_0
22 D	9.566	-2.2158E-04	116.9	47.83	116.9	61.93	UL-RL	6.3662E+04	-4.200	0.000	1.000	1.000	47.83	0.000	0.000	Strato1_2_8_L_0
23 D	9.988	-2.1272E-04	119.8	49.94	119.8	63.48	UL-RL	6.3662E+04	-4.400	0.000	1.000	1.000	49.94	0.000	0.000	Strato1_2_8_L_0
24 D	10.57	-2.0400E-04	124.2	52.86	124.2	65.85	UL-RL	6.3662E+04	-4.600	0.000	1.000	1.000	52.86	0.000	0.000	Strato1_2_8_L_0
25 D	11.00	-1.9540E-04	127.2	55.00	127.2	67.44	UL-RL	6.3662E+04	-4.800	0.000	1.000	1.000	55.00	0.000	0.000	Strato1_2_8_L_0
26 D	11.60	-1.8692E-04	131.9	58.02	131.9	69.92	UL-RL	6.3662E+04	-5.000	0.000	1.000	1.000	58.02	0.000	0.000	Strato1_2_8_L_0
27 D	12.03	-1.7856E-04	135.0	60.17	135.0	71.54	UL-RL	6.3662E+04	-5.200	0.000	1.000	1.000	60.17	0.000	0.000	Strato1_2_8_L_0
28 D	12.63	-1.7034E-04	139.6	63.14	139.6	73.98	UL-RL	6.3662E+04	-5.400	0.000	1.000	1.000	63.14	0.000	0.000	Strato1_2_8_L_0
29 D	13.06	-1.6228E-04	142.7	65.30	142.7	75.63	UL-RL	6.3662E+04	-5.600	0.000	1.000	1.000	65.30	0.000	0.000	Strato1_2_8_L_0
30 D	13.64	-1.5442E-04	147.3	68.21	147.3	78.04	UL-RL	6.3662E+04	-5.800	0.000	1.000	1.000				

68.21	0.000	0.000	Strato1_2_8_L_0												
31 D	14.05	-1.4680E-04	150.2	70.25	150.2	79.60		UL-RL	6.3662E+04	-6.000	0.000	1.000	1.000		
70.25	0.000	0.000	Strato1_2_8_L_0												
32 D	10.45	-1.3950E-04	154.8	52.27	154.8	77.40		UL-RL	1.8009E+05	-6.200	0.000	1.000	1.000		
52.27	0.000	0.000	Strato2_3095_82743_L_0												
33 D	11.04	-1.3257E-04	158.2	55.22	158.2	79.09		UL-RL	1.8009E+05	-6.400	0.000	1.000	1.000		
55.22	0.000	0.000	Strato2_3095_82743_L_0												
34 D	11.74	-1.2607E-04	162.9	58.72	162.9	81.43		UL-RL	1.8009E+05	-6.600	0.000	1.000	1.000		
58.72	0.000	0.000	Strato2_3095_82743_L_0												
35 D	12.30	-1.2005E-04	166.3	61.52	166.3	83.14		UL-RL	1.8009E+05	-6.800	0.000	1.000	1.000		
61.52	0.000	0.000	Strato2_3095_82743_L_0												
36 D	12.97	-1.1452E-04	170.9	64.83	170.9	85.45		UL-RL	1.8009E+05	-7.000	0.000	1.000	1.000		
64.83	0.000	0.000	Strato2_3095_82743_L_0												
37 D	13.49	-1.0950E-04	174.4	67.46	174.4	87.18		UL-RL	1.8009E+05	-7.200	0.000	1.000	1.000		
67.46	0.000	0.000	Strato2_3095_82743_L_0												
38 D	14.11	-1.0498E-04	178.9	70.57	178.9	89.47		UL-RL	1.8009E+05	-7.400	0.000	1.000	1.000		
70.57	0.000	0.000	Strato2_3095_82743_L_0												
39 D	14.59	-1.0094E-04	182.3	72.95	182.3	91.13		UL-RL	1.8009E+05	-7.600	0.000	1.000	1.000		
72.95	0.000	0.000	Strato2_3095_82743_L_0												
40 D	15.17	-9.7384E-05	186.8	75.87	186.8	93.41		UL-RL	1.8009E+05	-7.800	0.000	1.000	1.000		
75.87	0.000	0.000	Strato2_3095_82743_L_0												
41 D	15.64	-9.4272E-05	190.3	78.19	190.3	95.17		UL-RL	1.8009E+05	-8.000	0.000	1.000	1.000		
78.19	0.000	0.000	Strato2_3095_82743_L_0												
42 D	16.19	-9.1580E-05	194.9	80.94	194.9	97.43		UL-RL	1.8009E+05	-8.200	0.000	1.000	1.000		
80.94	0.000	0.000	Strato2_3095_82743_L_0												
43 D	16.62	-8.9278E-05	198.4	83.12	198.4	99.20		UL-RL	1.8009E+05	-8.400	0.000	1.000	1.000		
83.12	0.000	0.000	Strato2_3095_82743_L_0												
44 D	17.15	-8.7334E-05	202.9	85.73	202.9	101.5		UL-RL	1.8009E+05	-8.600	0.000	1.000	1.000		
85.73	0.000	0.000	Strato2_3095_82743_L_0												
45 D	17.56	-8.5714E-05	206.5	87.79	206.5	103.2		UL-RL	1.8009E+05	-8.800	0.000	1.000	1.000		
87.79	0.000	0.000	Strato2_3095_82743_L_0												
46 D	18.04	-8.4385E-05	210.8	90.20	210.8	105.4		UL-RL	1.8009E+05	-9.000	0.000	1.000	1.000		
90.20	0.000	0.000	Strato2_3095_82743_L_0												
47 D	18.44	-8.3314E-05	214.4	92.18	214.4	107.2		UL-RL	1.8009E+05	-9.200	0.000	1.000	1.000		
92.18	0.000	0.000	Strato2_3095_82743_L_0												
48 D	18.91	-8.2470E-05	218.8	94.57	218.8	109.4		UL-RL	1.8009E+05	-9.400	0.000	1.000	1.000		
94.57	0.000	0.000	Strato2_3095_82743_L_0												
49 D	19.30	-8.1821E-05	222.4	96.48	222.4	111.2		UL-RL	1.8009E+05	-9.600	0.000	1.000	1.000		
96.48	0.000	0.000	Strato2_3095_82743_L_0												
50 D	19.76	-8.1340E-05	226.9	98.79	226.9	113.4		UL-RL	1.8009E+05	-9.800	0.000	1.000	1.000		
98.79	0.000	0.000	Strato2_3095_82743_L_0												
51 D	20.13	-8.0999E-05	230.5	100.7	230.5	115.2		UL-RL	1.8009E+05	-10.00	0.000	1.000	1.000		
100.7	0.000	0.000	Strato2_3095_82743_L_0												
52 D	20.58	-8.0774E-05	234.9	102.9	234.9	117.5		UL-RL	1.8009E+05	-10.20	0.000	1.000	1.000		
102.9	0.000	0.000	Strato2_3095_82743_L_0												
53 D	20.95	-8.0643E-05	238.5	104.7	238.5	119.3		UL-RL	1.8009E+05	-10.40	0.000	1.000	1.000		
104.7	0.000	0.000	Strato2_3095_82743_L_0												
54 D	21.38	-8.0586E-05	242.8	106.9	242.8	121.4		UL-RL	1.8009E+05	-10.60	0.000	1.000	1.000		
106.9	0.000	0.000	Strato2_3095_82743_L_0												
55 D	21.74	-8.0586E-05	246.5	108.7	246.5	123.2		UL-RL	1.8009E+05	-10.80	0.000	1.000	1.000		
108.7	0.000	0.000	Strato2_3095_82743_L_0												
56 D	22.18	-8.0627E-05	250.9	110.9	250.9	125.4		UL-RL	1.8009E+05	-11.00	0.000	1.000	1.000		
110.9	0.000	0.000	Strato2_3095_82743_L_0												
57 D	22.54	-8.0697E-05	254.5	112.7	254.5	127.3		UL-RL	1.8009E+05	-11.20	0.000	1.000	1.000		
112.7	0.000	0.000	Strato2_3095_82743_L_0												
58 D	22.98	-8.0785E-05	258.9	114.9	258.9	129.4		UL-RL	1.8009E+05	-11.40	0.000	1.000	1.000		
114.9	0.000	0.000	Strato2_3095_82743_L_0												
59 D	23.34	-8.0884E-05	262.5	116.7	262.5	131.3		UL-RL	1.8009E+05	-11.60	0.000	1.000	1.000		
116.7	0.000	0.000	Strato2_3095_82743_L_0												
60 D	23.77	-8.0987E-05	266.9	118.9	266.9	133.5		UL-RL	1.8009E+05	-11.80	0.000	1.000	1.000		
118.9	0.000	0.000	Strato2_3095_82743_L_0												
61 D	12.06	-8.1092E-05	270.5	120.6	270.5	135.2		UL-RL	1.8009E+05	-12.00	0.000	1.000	1.000		
120.6	0.000	0.000	Strato2_3095_82743_L_0												

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+------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                |
|                                  NewProject.BaseDesignSection_28.A1M1R1_3484                   |
|                               Exe Time :29 July 2019      18:02:26                             |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	4.5578E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	1.708	4.4311E-04	3.800	8.539	3.800	8.539	V-C	1.4726E+04	-0.2000	0.000	1.000	1.000	8.539	0.000	0.000	Strato1_2_8_L_0
3 D	2.073	4.3045E-04	7.600	10.37	7.600	10.37	V-C	1.4726E+04	-0.4000	0.000	1.000	1.000	10.37	0.000	0.000	Strato1_2_8_L_0
4 D	2.439	4.1783E-04	11.40	12.20	11.40	12.20	V-C	1.4726E+04	-0.6000	0.000	1.000	1.000	12.20	0.000	0.000	Strato1_2_8_L_0
5 D	2.805	4.0527E-04	15.20	14.02	15.20	14.02	V-C	1.4726E+04	-0.8000	0.000	1.000	1.000	14.02	0.000	0.000	Strato1_2_8_L_0
6 D	3.171	3.9280E-04	19.00	15.85	19.00	15.85	V-C	1.4726E+04	-1.000	0.000	1.000	1.000	15.85	0.000	0.000	Strato1_2_8_L_0
7 D	3.537	3.8044E-04	22.80	17.69	22.80	17.69	V-C	1.4726E+04	-1.200	0.000	1.000	1.000	17.69	0.000	0.000	Strato1_2_8_L_0
8 D	3.904	3.6822E-04	26.60	19.52	26.60	19.52	V-C	1.4726E+04	-1.400	0.000	1.000	1.000	19.52	0.000	0.000	Strato1_2_8_L_0
9 D	4.271	3.5617E-04	30.40	21.36	30.40	21.36	V-C	1.4726E+04	-1.600	0.000	1.000	1.000	21.36	0.000	0.000	Strato1_2_8_L_0
10 D	4.639	3.4432E-04	34.20	23.20	34.20	23.20	V-C	1.4726E+04	-1.800	0.000	1.000	1.000	23.20	0.000	0.000	Strato1_2_8_L_0
11 D	5.008	3.3269E-04	38.00	25.04	38.00	25.04	V-C	1.4726E+04	-2.000	0.000	1.000	1.000	25.04	0.000	0.000	Strato1_2_8_L_0
12 D	5.377	3.2131E-04	41.80	26.89	41.80	26.89	V-C	1.4726E+04	-2.200	0.000	1.000	1.000	26.89	0.000	0.000	Strato1_2_8_L_0
13 D	5.747	3.1019E-04	45.60	28.74	45.60	28.74	V-C	1.4726E+04	-2.400	0.000	1.000	1.000	28.74	0.000	0.000	Strato1_2_8_L_0
14 D	6.118	2.9934E-04	49.40	30.59	49.40	30.59	V-C	1.4726E+04	-2.600	0.000	1.000	1.000	30.59	0.000	0.000	Strato1_2_8_L_0
15 D	6.490	2.8878E-04	53.20	32.45	53.20	32.45	V-C	1.4726E+04	-2.800	0.000	1.000	1.000	32.45	0.000	0.000	Strato1_2_8_L_0
16 D	6.862	2.7848E-04	57.00	34.31	57.00	34.31	V-C	1.4726E+04	-3.000	0.000	1.000	1.000	34.31	0.000	0.000	Strato1_2_8_L_0
17 D	7.235	2.6845E-04	60.80	36.18	60.80	36.18	V-C	1.4726E+04	-3.200	0.000	1.000	1.000	36.18	0.000	0.000	Strato1_2_8_L_0
18 D	7.609	2.5866E-04	64.60	38.05	64.60	38.05	V-C	1.4726E+04	-3.400	0.000	1.000	1.000	38.05	0.000	0.000	Strato1_2_8_L_0
19 D	7.984	2.4910E-04	68.40	39.92	68.40	39.92	V-C	1.4726E+04	-3.600	0.000	1.000	1.000	39.92	0.000	0.000	Strato1_2_8_L_0
20 D	8.359	2.3975E-04	72.20	41.80	72.20	41.80	V-C	1.4726E+04	-3.800	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_2_8_L_0
21 D	8.735	2.3058E-04	76.00	43.68	76.00	43.68	V-C	1.4726E+04	-4.000	0.000	1.000	1.000	43.68	0.000	0.000	Strato1_2_8_L_0
22 D	9.111	2.2158E-04	79.80	45.56	79.80	45.56	V-C	1.4726E+04	-4.200	0.000	1.000	1.000	45.56	0.000	0.000	Strato1_2_8_L_0
23 D	9.488	2.1272E-04	83.60	47.44	83.60	47.44	V-C	1.4726E+04	-4.400	0.000	1.000	1.000	47.44	0.000	0.000	Strato1_2_8_L_0
24 D	9.865	2.0400E-04	87.40	49.33	87.40	49.33	V-C	1.4726E+04	-4.600	0.000	1.000	1.000	49.33	0.000	0.000	Strato1_2_8_L_0
25 D	10.24	1.9540E-04	91.20	51.21	91.20	51.21	V-C	1.4726E+04	-4.800	0.000	1.000	1.000	51.21	0.000	0.000	Strato1_2_8_L_0
26 D	10.62	1.8692E-04	95.00	53.10	95.00	53.10	V-C	1.4726E+04	-5.000	0.000	1.000	1.000	53.10	0.000	0.000	Strato1_2_8_L_0
27 D	11.00	1.7856E-04	98.80	54.99	98.80	54.99	V-C	1.4726E+04	-5.200	0.000	1.000	1.000	54.99	0.000	0.000	Strato1_2_8_L_0
28 D	11.38	1.7034E-04	102.6	56.89	102.6	56.89	V-C	1.4726E+04	-5.400	0.000	1.000	1.000	56.89	0.000	0.000	Strato1_2_8_L_0
29 D	11.76	1.6228E-04	106.4	58.78	106.4	58.78	UL-RL	4.4178E+04	-5.600	0.000	1.000	1.000	58.78	0.000	0.000	Strato1_2_8_L_0
30 D	12.13	1.5442E-04	110.2	60.64	110.2	60.70	UL-RL	4.4178E+04	-5.800	0.000	1.000	1.000				

60.64	0.000	0.000	Strato1_2_8_L_0										
31 D	12.50	1.4680E-04	114.0	62.52	114.0	62.61	UL-RL	4.4178E+04	-6.000	0.000	1.000	1.000	
62.52	0.000	0.000	Strato1_2_8_L_0										
32 D	12.66	1.3950E-04	117.9	63.31	117.9	63.58	UL-RL	9.7606E+04	-6.200	0.000	1.000	1.000	
63.31	0.000	0.000	Strato2_3095_82743_L_0										
33 D	13.01	1.3257E-04	121.9	65.05	121.9	65.37	UL-RL	9.7606E+04	-6.400	0.000	1.000	1.000	
65.05	0.000	0.000	Strato2_3095_82743_L_0										
34 D	13.36	1.2607E-04	125.9	66.82	125.9	67.17	UL-RL	9.7606E+04	-6.600	0.000	1.000	1.000	
66.82	0.000	0.000	Strato2_3095_82743_L_0										
35 D	13.72	1.2005E-04	129.9	68.61	129.9	68.98	UL-RL	9.7606E+04	-6.800	0.000	1.000	1.000	
68.61	0.000	0.000	Strato2_3095_82743_L_0										
36 D	14.09	1.1452E-04	133.9	70.43	133.9	70.80	UL-RL	9.7606E+04	-7.000	0.000	1.000	1.000	
70.43	0.000	0.000	Strato2_3095_82743_L_0										
37 D	14.45	1.0950E-04	137.9	72.26	137.9	72.64	UL-RL	9.7606E+04	-7.200	0.000	1.000	1.000	
72.26	0.000	0.000	Strato2_3095_82743_L_0										
38 D	14.82	1.0498E-04	141.9	74.12	141.9	74.49	UL-RL	9.7606E+04	-7.400	0.000	1.000	1.000	
74.12	0.000	0.000	Strato2_3095_82743_L_0										
39 D	15.20	1.0094E-04	145.9	76.00	145.9	76.35	UL-RL	9.7606E+04	-7.600	0.000	1.000	1.000	
76.00	0.000	0.000	Strato2_3095_82743_L_0										
40 D	15.58	9.7384E-05	149.9	77.90	149.9	78.23	UL-RL	9.7606E+04	-7.800	0.000	1.000	1.000	
77.90	0.000	0.000	Strato2_3095_82743_L_0										
41 D	15.96	9.4272E-05	153.9	79.81	153.9	80.12	UL-RL	9.7606E+04	-8.000	0.000	1.000	1.000	
79.81	0.000	0.000	Strato2_3095_82743_L_0										
42 D	16.35	9.1580E-05	157.9	81.74	157.9	82.02	UL-RL	9.7606E+04	-8.200	0.000	1.000	1.000	
81.74	0.000	0.000	Strato2_3095_82743_L_0										
43 D	16.74	8.9278E-05	161.9	83.68	161.9	83.94	UL-RL	9.7606E+04	-8.400	0.000	1.000	1.000	
83.68	0.000	0.000	Strato2_3095_82743_L_0										
44 D	17.13	8.7334E-05	165.9	85.63	165.9	85.87	UL-RL	9.7606E+04	-8.600	0.000	1.000	1.000	
85.63	0.000	0.000	Strato2_3095_82743_L_0										
45 D	17.52	8.5714E-05	169.9	87.60	169.9	87.81	UL-RL	9.7606E+04	-8.800	0.000	1.000	1.000	
87.60	0.000	0.000	Strato2_3095_82743_L_0										
46 D	17.91	8.4385E-05	173.9	89.57	173.9	89.76	UL-RL	9.7606E+04	-9.000	0.000	1.000	1.000	
89.57	0.000	0.000	Strato2_3095_82743_L_0										
47 D	18.31	8.3314E-05	177.9	91.55	177.9	91.71	UL-RL	9.7606E+04	-9.200	0.000	1.000	1.000	
91.55	0.000	0.000	Strato2_3095_82743_L_0										
48 D	18.71	8.2470E-05	181.9	93.54	181.9	93.68	UL-RL	9.7606E+04	-9.400	0.000	1.000	1.000	
93.54	0.000	0.000	Strato2_3095_82743_L_0										
49 D	19.11	8.1821E-05	185.9	95.54	185.9	95.65	UL-RL	9.7606E+04	-9.600	0.000	1.000	1.000	
95.54	0.000	0.000	Strato2_3095_82743_L_0										
50 D	19.51	8.1340E-05	189.9	97.54	189.9	97.63	UL-RL	9.7606E+04	-9.800	0.000	1.000	1.000	
97.54	0.000	0.000	Strato2_3095_82743_L_0										
51 D	19.91	8.0999E-05	193.9	99.54	193.9	99.61	UL-RL	9.7606E+04	-10.00	0.000	1.000	1.000	
99.54	0.000	0.000	Strato2_3095_82743_L_0										
52 D	20.31	8.0774E-05	197.9	101.5	197.9	101.6	UL-RL	9.7606E+04	-10.20	0.000	1.000	1.000	
101.5	0.000	0.000	Strato2_3095_82743_L_0										
53 D	20.71	8.0643E-05	201.9	103.6	201.9	103.6	UL-RL	9.7606E+04	-10.40	0.000	1.000	1.000	
103.6	0.000	0.000	Strato2_3095_82743_L_0										
54 D	21.11	8.0586E-05	205.9	105.6	205.9	105.6	UL-RL	9.7606E+04	-10.60	0.000	1.000	1.000	
105.6	0.000	0.000	Strato2_3095_82743_L_0										
55 D	21.51	8.0586E-05	209.9	107.6	209.9	107.6	UL-RL	9.7606E+04	-10.80	0.000	1.000	1.000	
107.6	0.000	0.000	Strato2_3095_82743_L_0										
56 D	21.91	8.0627E-05	213.9	109.6	213.9	109.6	UL-RL	9.7606E+04	-11.00	0.000	1.000	1.000	
109.6	0.000	0.000	Strato2_3095_82743_L_0										
57 D	22.32	8.0697E-05	217.9	111.6	217.9	111.6	UL-RL	9.7606E+04	-11.20	0.000	1.000	1.000	
111.6	0.000	0.000	Strato2_3095_82743_L_0										
58 D	22.72	8.0785E-05	221.9	113.6	221.9	113.6	UL-RL	9.7606E+04	-11.40	0.000	1.000	1.000	
113.6	0.000	0.000	Strato2_3095_82743_L_0										
59 D	23.12	8.0884E-05	225.9	115.6	225.9	115.6	UL-RL	9.7606E+04	-11.60	0.000	1.000	1.000	
115.6	0.000	0.000	Strato2_3095_82743_L_0										
60 D	23.52	8.0987E-05	229.9	117.6	229.9	117.6	UL-RL	9.7606E+04	-11.80	0.000	1.000	1.000	
117.6	0.000	0.000	Strato2_3095_82743_L_0										
61 D	11.96	8.1092E-05	233.9	119.6	233.9	119.6	UL-RL	9.7606E+04	-12.00	0.000	1.000	1.000	
119.6	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.6215     -1.6215     2.04020E-12 0.32431
    2  2.2150     -2.2150    -0.32431     0.76731
    3  2.3193     -2.3193    -0.76731      1.2312
    4  2.7890     -2.7890     -1.2312      1.7890
    5  2.8790     -2.8790     -1.7890      2.3647
    6  3.1139     -3.1139     -2.3647      2.9875
    7  3.0342     -3.0342     -2.9875      3.5944
    8  3.0129     -3.0129     -3.5944      4.1969
    9  2.6679     -2.6679     -4.1969      4.7305
   10  2.3398     -2.3398     -4.7305      5.1985
   11  1.7631     -1.7631     -5.1985      5.5511
   12  1.1721     -1.1721     -5.5511      5.7855
   13 0.34706    -0.34706     -5.7855      5.8549
   14-0.41749     0.41749     -5.8549      5.7714
   15 -1.1605      1.1605     -5.7714      5.5393
   16 -1.6322      1.6322     -5.5393      5.2129
   17 -2.0714      2.0714     -5.2129      4.7986
   18 -2.2184      2.2184     -4.7986      4.3549
   19 -2.3278      2.3278     -4.3549      3.8894
   20 -2.1674      2.1674     -3.8894      3.4559
   21 -1.9653      1.9653     -3.4559      3.0628
   22 -1.5111      1.5111     -3.0628      2.7606
   23 -1.0117      1.0117     -2.7606      2.5583
   24-0.30449     0.30449     -2.5583      2.4974
   25 0.45253    -0.45253     -2.4974      2.5879
   26  1.4361     -1.4361     -2.5879      2.8751
   27  2.4718     -2.4718     -2.8751      3.3695
   28  3.7226     -3.7226     -3.3695      4.1140
   29  5.0266     -5.0266     -4.1140      5.1193
   30  6.5405     -6.5405     -5.1193      6.4274
   31  8.0865     -8.0865     -6.4274      8.0447
   32  5.8796     -5.8796     -8.0447      9.2206
   33  3.9127     -3.9127     -9.2206      10.003
   34  2.2928     -2.2928     -10.003      10.462
   35 0.87405    -0.87405     -10.462      10.637
   36-0.24604     0.24604     -10.637      10.587
   37 -1.2072      1.2072     -10.587      10.346
   38 -1.9180      1.9180     -10.346      9.9623
   39 -2.5283      2.5283     -9.9623      9.4566
   40 -2.9332      2.9332     -9.4566      8.8700
   41 -3.2576      3.2576     -8.8700      8.2185
   42 -3.4172      3.4172     -8.2185      7.5350
   43 -3.5291      3.5291     -7.5350      6.8292
   44 -3.5107      3.5107     -6.8292      6.1270
   45 -3.4718      3.4718     -6.1270      5.4327
   46 -3.3457      3.3457     -5.4327      4.7635
   47 -3.2201      3.2201     -4.7635      4.1195
   48 -3.0151      3.0151     -4.1195      3.5165
   49 -2.8264      2.8264     -3.5165      2.9512
   50 -2.5756      2.5756     -2.9512      2.4361
   51 -2.3525      2.3525     -2.4361      1.9656
   52 -2.0796      2.0796     -1.9656      1.5497
   53 -1.8417      1.8417     -1.5497      1.1814
   54 -1.5750      1.5750     -1.1814     0.86636
   55 -1.3463      1.3463    -0.86636     0.59709
   56 -1.0795      1.0795    -0.59709     0.38118
   57-0.85094     0.85094    -0.38118     0.21100
   58-0.58767     0.58767    -0.21100     9.34613E-02
   59-0.36257     0.36257    -9.34613E-02 2.09482E-02
   60-0.10474     0.10474    -2.09482E-02 5.09866E-13
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2097E+05 RIMNOR= 3543.
           RENORM= 569.5     REMNOR=0.1150E-21 RATIO =0.1648     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.77     RMMAX = 10.64
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2097E+05 RDR   = 3543.
           RATIOT=0.1648     RATIOR= 0.000
           MAX UN= 6.490     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.3657E-10 IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2097E+05 RIMNOR= 3543.
           RENORM= 237.5     REMNOR=0.2143E-19 RATIO =0.1064     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.77     RMMAX = 10.64
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2097E+05 RDR   = 3543.
           RATIOT=0.1064     RATIOR= 0.000
           MAX UN= 7.731     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.1395E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2097E+05 RIMNOR= 3543.
           RENORM= 33.62     REMNOR=0.1642E-18 RATIO =0.4004E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.77     RMMAX = 10.64
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2097E+05 RDR   = 3543.
           RATIOT=0.4004E-01 RATIOR= 0.000
           MAX UN= 3.895     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.3452E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2097E+05 RIMNOR= 3543.
           RENORM= 1.491     REMNOR=0.2568E-19 RATIO =0.8433E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.77     RMMAX = 10.64
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2097E+05 RDR   = 3543.
           RATIOT=0.8433E-02 RATIOR= 0.000
           MAX UN= 1.211     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.1291E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2097E+05 RIMNOR= 3543.
           RENORM=0.1211E-03 REMNOR=0.2704E-19 RATIO =0.7600E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 23.77     RMMAX = 10.64
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2097E+05 RDR   = 3543.
           RATIOT=0.7600E-04 RATIOR= 0.000
           MAX UN=0.1101E-01 IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.1228E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   6.8903413E-03  -1.1561880E-03
    2   6.6591063E-03  -1.1561495E-03
    3   6.4278903E-03  -1.1559793E-03
    4   6.1967304E-03  -1.1555713E-03
    5   5.9656857E-03  -1.1548045E-03
    6   5.7348417E-03  -1.1535412E-03
    7   5.5043123E-03  -1.1516319E-03
    8   5.2742429E-03  -1.1489135E-03
    9   5.0448124E-03  -1.1452119E-03
   10   4.8162360E-03  -1.1403417E-03
   11   4.5887667E-03  -1.1341072E-03
   12   4.3626980E-03  -1.1263009E-03
   13   4.1383657E-03  -1.1167041E-03
   14   3.9161510E-03  -1.1050862E-03
   15   3.6964821E-03  -1.0912056E-03
   16   3.4798365E-03  -1.0748092E-03
   17   3.2667413E-03  -1.0556697E-03
   18   3.0577601E-03  -1.0336587E-03
   19   2.8534688E-03  -1.0087822E-03
   20   2.6544288E-03  -9.8118085E-04
   21   2.4611638E-03  -9.5107005E-04
   22   2.2741534E-03  -9.1867082E-04
   23   2.0938335E-03  -8.8420041E-04
   24   1.9205970E-03  -8.4787264E-04
   25   1.7547942E-03  -8.0989882E-04
   26   1.5967333E-03  -7.7048812E-04
   27   1.4466817E-03  -7.2984787E-04
   28   1.3048632E-03  -6.8818312E-04
   29   1.1714631E-03  -6.4569849E-04
   30   1.0466249E-03  -6.0259773E-04
   31   9.3045146E-04  -5.5908482E-04
   32   8.2300656E-04  -5.1534589E-04
   33   7.2430717E-04  -4.7170408E-04
   34   6.3428660E-04  -4.2863708E-04
   35   5.5278301E-04  -3.8661006E-04
   36   4.7954540E-04  -3.4604078E-04
   37   4.1424698E-04  -3.0727198E-04
   38   3.5649913E-04  -2.7057037E-04
   39   3.0586793E-04  -2.3613225E-04
   40   2.6188640E-04  -2.0409149E-04
   41   2.2406620E-04  -1.7452776E-04
   42   1.9190800E-04  -1.4747346E-04
   43   1.6491006E-04  -1.2292062E-04
   44   1.4257580E-04  -1.0082710E-04
   45   1.2442004E-04  -8.1122468E-05
   46   1.0997392E-04  -6.3712637E-05
   47   9.8789477E-05  -4.8485466E-05
   48   9.0442666E-05  -3.5314322E-05
   49   8.4535866E-05  -2.4061411E-05
   50   8.0699963E-05  -1.4580835E-05
   51   7.8595499E-05  -6.7210676E-06
   52   7.7913795E-05  -3.2725246E-07
   53   7.8377193E-05   4.7563008E-06
   54   7.9739411E-05   8.6865343E-06
   55   8.1785217E-05   1.1617931E-05
   56   8.4330157E-05   1.3702920E-05
   57   8.7219940E-05   1.5091229E-05
   58   9.0329977E-05   1.5929470E-05
   59   9.3564599E-05   1.6360779E-05
   60   9.6856460E-05   1.6524657E-05
   61   1.0016585E-04   1.6556839E-05
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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                          |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                        |
|                                    Exe Time :29 July 2019      18:02:26                                  |
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New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.622	-6.8903E-03	53.34	16.22	53.34	28.27	ACTIVE	0.000	0.000	0.000	1.000	1.000	16.22	0.000	0.000	Strato1_2_8_L_0
2 D	2.301	-6.6591E-03	37.85	11.51	37.85	20.06	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.51	0.000	0.000	Strato1_2_8_L_0
3 D	2.178	-6.4279E-03	35.82	10.89	35.82	18.98	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.89	0.000	0.000	Strato1_2_8_L_0
4 D	2.909	-6.1967E-03	47.84	14.54	47.84	25.36	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.54	0.000	0.000	Strato1_2_8_L_0
5 D	2.895	-5.9657E-03	47.61	14.47	47.61	25.23	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.47	0.000	0.000	Strato1_2_8_L_0
6 D	3.406	-5.7348E-03	56.02	17.03	56.02	29.69	ACTIVE	0.000	-1.000	0.000	1.000	1.000	17.03	0.000	0.000	Strato1_2_8_L_0
7 D	3.458	-5.5043E-03	56.87	17.29	56.87	30.14	ACTIVE	0.000	-1.200	0.000	1.000	1.000	17.29	0.000	0.000	Strato1_2_8_L_0
8 D	3.883	-5.2742E-03	63.86	19.41	63.86	33.85	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.41	0.000	0.000	Strato1_2_8_L_0
9 D	3.926	-5.0448E-03	64.58	19.63	64.58	34.23	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.311	-4.8162E-03	70.91	21.56	70.91	37.58	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.56	0.000	0.000	Strato1_2_8_L_0
11 D	4.431	-4.5888E-03	72.88	22.16	72.88	38.63	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.16	0.000	0.000	Strato1_2_8_L_0
12 D	4.786	-4.3627E-03	78.72	23.93	78.72	41.72	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.93	0.000	0.000	Strato1_2_8_L_0
13 D	4.922	-4.1384E-03	80.96	24.61	80.96	42.91	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.61	0.000	0.000	Strato1_2_8_L_0
14 D	5.257	-3.9162E-03	86.46	26.28	86.46	45.82	ACTIVE	0.000	-2.600	0.000	1.000	1.000	26.28	0.000	0.000	Strato1_2_8_L_0
15 D	5.405	-3.6965E-03	88.90	27.03	88.90	47.12	ACTIVE	0.000	-2.800	0.000	1.000	1.000	27.03	0.000	0.000	Strato1_2_8_L_0
16 D	5.699	-3.4798E-03	93.74	28.50	93.74	49.68	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_2_8_L_0
17 D	5.859	-3.2667E-03	96.36	29.29	96.36	51.07	ACTIVE	0.000	-3.200	0.000	1.000	1.000	29.29	0.000	0.000	Strato1_2_8_L_0
18 D	6.169	-3.0578E-03	101.5	30.85	101.5	53.78	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.85	0.000	0.000	Strato1_2_8_L_0
19 D	6.336	-2.8535E-03	104.2	31.68	104.2	55.23	ACTIVE	0.000	-3.600	0.000	1.000	1.000	31.68	0.000	0.000	Strato1_2_8_L_0
20 D	6.638	-2.6544E-03	109.2	33.19	109.2	57.86	ACTIVE	0.000	-3.800	0.000	1.000	1.000	33.19	0.000	0.000	Strato1_2_8_L_0
21 D	6.810	-2.4612E-03	112.0	34.05	112.0	59.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	34.05	0.000	0.000	Strato1_2_8_L_0
22 D	7.105	-2.2742E-03	116.9	35.52	116.9	61.93	ACTIVE	0.000	-4.200	0.000	1.000	1.000	35.52	0.000	0.000	Strato1_2_8_L_0
23 D	7.282	-2.0938E-03	119.8	36.41	119.8	63.48	ACTIVE	0.000	-4.400	0.000	1.000	1.000	36.41	0.000	0.000	Strato1_2_8_L_0
24 D	7.554	-1.9206E-03	124.2	37.77	124.2	65.85	ACTIVE	0.000	-4.600	0.000	1.000	1.000	37.77	0.000	0.000	Strato1_2_8_L_0
25 D	7.736	-1.7548E-03	127.2	38.68	127.2	67.44	ACTIVE	0.000	-4.800	0.000	1.000	1.000	38.68	0.000	0.000	Strato1_2_8_L_0
26 D	8.021	-1.5967E-03	131.9	40.11	131.9	69.92	ACTIVE	0.000	-5.000	0.000	1.000	1.000	40.11	0.000	0.000	Strato1_2_8_L_0
27 D	8.207	-1.4467E-03	135.0	41.03	135.0	71.54	ACTIVE	0.000	-5.200	0.000	1.000	1.000	41.03	0.000	0.000	Strato1_2_8_L_0
28 D	8.487	-1.3049E-03	139.6	42.44	139.6	73.98	ACTIVE	0.000	-5.400	0.000	1.000	1.000	42.44	0.000	0.000	Strato1_2_8_L_0
29 D	8.676	-1.1715E-03	142.7	43.38	142.7	75.63	ACTIVE	0.000	-5.600	0.000	1.000	1.000	43.38	0.000	0.000	Strato1_2_8_L_0
30 D	8.953	-1.0466E-03	147.3	44.76	147.3	78.04	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

44.76	0.000	0.000	Strato1_2_8_L_0												
31 D	9.921	-9.3045E-04	150.2	49.61	150.2	79.60		UL-RL	2.6343E+04	-6.000	0.000	1.000	1.000		
49.61	0.000	0.000	Strato1_2_8_L_0												
32 D	3.397	-8.2301E-04	154.8	16.99	154.8	77.40		ACTIVE	0.000	-6.200	0.000	1.000	1.000		
16.99	0.000	0.000	Strato2_3095_82743_L_0												
33 D	3.557	-7.2431E-04	158.2	17.78	158.2	79.09		ACTIVE	0.000	-6.400	0.000	1.000	1.000		
17.78	0.000	0.000	Strato2_3095_82743_L_0												
34 D	4.170	-6.3429E-04	162.9	20.85	162.9	81.43		UL-RL	7.4521E+04	-6.600	0.000	1.000	1.000		
20.85	0.000	0.000	Strato2_3095_82743_L_0												
35 D	5.854	-5.5278E-04	166.3	29.27	166.3	83.14		UL-RL	7.4521E+04	-6.800	0.000	1.000	1.000		
29.27	0.000	0.000	Strato2_3095_82743_L_0												
36 D	7.525	-4.7955E-04	170.9	37.63	170.9	85.45		UL-RL	7.4521E+04	-7.000	0.000	1.000	1.000		
37.63	0.000	0.000	Strato2_3095_82743_L_0												
37 D	8.950	-4.1425E-04	174.4	44.75	174.4	87.18		UL-RL	7.4521E+04	-7.200	0.000	1.000	1.000		
44.75	0.000	0.000	Strato2_3095_82743_L_0												
38 D	10.37	-3.5650E-04	178.9	51.83	178.9	89.47		UL-RL	7.4521E+04	-7.400	0.000	1.000	1.000		
51.83	0.000	0.000	Strato2_3095_82743_L_0												
39 D	11.54	-3.0587E-04	182.3	57.68	182.3	91.13		UL-RL	7.4521E+04	-7.600	0.000	1.000	1.000		
57.68	0.000	0.000	Strato2_3095_82743_L_0												
40 D	12.72	-2.6189E-04	186.8	63.61	186.8	93.41		UL-RL	7.4521E+04	-7.800	0.000	1.000	1.000		
63.61	0.000	0.000	Strato2_3095_82743_L_0												
41 D	13.70	-2.2407E-04	190.3	68.52	190.3	95.17		UL-RL	7.4521E+04	-8.000	0.000	1.000	1.000		
68.52	0.000	0.000	Strato2_3095_82743_L_0												
42 D	14.69	-1.9191E-04	194.9	73.46	194.9	97.43		UL-RL	7.4521E+04	-8.200	0.000	1.000	1.000		
73.46	0.000	0.000	Strato2_3095_82743_L_0												
43 D	15.50	-1.6491E-04	198.4	77.49	198.4	99.20		UL-RL	7.4521E+04	-8.400	0.000	1.000	1.000		
77.49	0.000	0.000	Strato2_3095_82743_L_0												
44 D	16.32	-1.4258E-04	202.9	81.61	202.9	101.5		UL-RL	7.4521E+04	-8.600	0.000	1.000	1.000		
81.61	0.000	0.000	Strato2_3095_82743_L_0												
45 D	16.98	-1.2442E-04	206.5	84.91	206.5	103.2		UL-RL	7.4521E+04	-8.800	0.000	1.000	1.000		
84.91	0.000	0.000	Strato2_3095_82743_L_0												
46 D	17.66	-1.0997E-04	210.8	88.30	210.8	105.4		UL-RL	7.4521E+04	-9.000	0.000	1.000	1.000		
88.30	0.000	0.000	Strato2_3095_82743_L_0												
47 D	18.21	-9.8789E-05	214.4	91.03	214.4	107.2		UL-RL	7.4521E+04	-9.200	0.000	1.000	1.000		
91.03	0.000	0.000	Strato2_3095_82743_L_0												
48 D	18.79	-9.0443E-05	218.8	93.97	218.8	109.4		UL-RL	7.4521E+04	-9.400	0.000	1.000	1.000		
93.97	0.000	0.000	Strato2_3095_82743_L_0												
49 D	19.26	-8.4536E-05	222.4	96.28	222.4	111.2		UL-RL	7.4521E+04	-9.600	0.000	1.000	1.000		
96.28	0.000	0.000	Strato2_3095_82743_L_0												
50 D	19.77	-8.0700E-05	226.9	98.84	226.9	113.4		UL-RL	7.4521E+04	-9.800	0.000	1.000	1.000		
98.84	0.000	0.000	Strato2_3095_82743_L_0												
51 D	20.17	-7.8595E-05	230.5	100.8	230.5	115.2		UL-RL	7.4521E+04	-10.00	0.000	1.000	1.000		
100.8	0.000	0.000	Strato2_3095_82743_L_0												
52 D	20.62	-7.7914E-05	234.9	103.1	234.9	117.5		UL-RL	7.4521E+04	-10.20	0.000	1.000	1.000		
103.1	0.000	0.000	Strato2_3095_82743_L_0												
53 D	20.98	-7.8377E-05	238.5	104.9	238.5	119.3		UL-RL	7.4521E+04	-10.40	0.000	1.000	1.000		
104.9	0.000	0.000	Strato2_3095_82743_L_0												
54 D	21.39	-7.9739E-05	242.8	107.0	242.8	121.4		UL-RL	7.4521E+04	-10.60	0.000	1.000	1.000		
107.0	0.000	0.000	Strato2_3095_82743_L_0												
55 D	21.73	-8.1785E-05	246.5	108.6	246.5	123.2		UL-RL	7.4521E+04	-10.80	0.000	1.000	1.000		
108.6	0.000	0.000	Strato2_3095_82743_L_0												
56 D	22.13	-8.4330E-05	250.9	110.6	250.9	125.4		UL-RL	7.4521E+04	-11.00	0.000	1.000	1.000		
110.6	0.000	0.000	Strato2_3095_82743_L_0												
57 D	22.45	-8.7220E-05	254.5	112.2	254.5	127.3		UL-RL	7.4521E+04	-11.20	0.000	1.000	1.000		
112.2	0.000	0.000	Strato2_3095_82743_L_0												
58 D	22.84	-9.0330E-05	258.9	114.2	258.9	129.4		UL-RL	7.4521E+04	-11.40	0.000	1.000	1.000		
114.2	0.000	0.000	Strato2_3095_82743_L_0												
59 D	23.15	-9.3565E-05	262.5	115.8	262.5	131.3		UL-RL	7.4521E+04	-11.60	0.000	1.000	1.000		
115.8	0.000	0.000	Strato2_3095_82743_L_0												
60 D	23.54	-9.6856E-05	266.9	117.7	266.9	133.5		UL-RL	7.4521E+04	-11.80	0.000	1.000	1.000		
117.7	0.000	0.000	Strato2_3095_82743_L_0												
61 D	11.92	-1.0017E-04	270.5	119.2	270.5	135.2		UL-RL	7.4521E+04	-12.00	0.000	1.000	1.000		
119.2	0.000	0.000	Strato2_3095_82743_L_0												

```
+------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                          |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                   Exe Time :29 July 2019      18:02:26                                                   |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16 D	1.536	3.4798E-03	1.900	7.678	57.00	34.31	PASSIVE	0.000	-3.000	0.000	1.000	1.000	7.678	0.000	0.000	Strato1_2_8_L_0
17 D	4.607	3.2667E-03	5.700	23.03	60.80	36.18	PASSIVE	0.000	-3.200	0.000	1.000	1.000	23.03	0.000	0.000	Strato1_2_8_L_0
18 D	7.678	3.0578E-03	9.500	38.39	64.60	38.39	PASSIVE	0.000	-3.400	0.000	1.000	1.000	38.39	0.000	0.000	Strato1_2_8_L_0
19 D	10.75	2.8535E-03	13.30	53.75	68.40	53.75	PASSIVE	0.000	-3.600	0.000	1.000	1.000	53.75	0.000	0.000	Strato1_2_8_L_0
20 D	11.30	2.6544E-03	17.10	56.51	72.20	56.51	V-C	6094.	-3.800	0.000	1.000	1.000	56.51	0.000	0.000	Strato1_2_8_L_0
21 D	11.45	2.4612E-03	20.90	57.27	76.00	57.27	V-C	6094.	-4.000	0.000	1.000	1.000	57.27	0.000	0.000	Strato1_2_8_L_0
22 D	11.61	2.2742E-03	24.70	58.06	79.80	58.06	V-C	6094.	-4.200	0.000	1.000	1.000	58.06	0.000	0.000	Strato1_2_8_L_0
23 D	11.78	2.0938E-03	28.50	58.90	83.60	58.90	V-C	6094.	-4.400	0.000	1.000	1.000	58.90	0.000	0.000	Strato1_2_8_L_0
24 D	11.96	1.9206E-03	32.30	59.79	87.40	59.79	V-C	6094.	-4.600	0.000	1.000	1.000	59.79	0.000	0.000	Strato1_2_8_L_0
25 D	12.14	1.7548E-03	36.10	60.72	91.20	60.72	V-C	6094.	-4.800	0.000	1.000	1.000	60.72	0.000	0.000	Strato1_2_8_L_0
26 D	12.34	1.5967E-03	39.90	61.69	95.00	61.69	V-C	6094.	-5.000	0.000	1.000	1.000	61.69	0.000	0.000	Strato1_2_8_L_0
27 D	12.54	1.4467E-03	43.70	62.72	98.80	62.72	V-C	6094.	-5.200	0.000	1.000	1.000	62.72	0.000	0.000	Strato1_2_8_L_0
28 D	12.76	1.3049E-03	47.50	63.80	102.6	63.80	V-C	6094.	-5.400	0.000	1.000	1.000	63.80	0.000	0.000	Strato1_2_8_L_0
29 D	12.99	1.1715E-03	51.30	64.93	106.4	64.93	V-C	6094.	-5.600	0.000	1.000	1.000	64.93	0.000	0.000	Strato1_2_8_L_0
30 D	13.22	1.0466E-03	55.10	66.12	110.2	66.12	V-C	6094.	-5.800	0.000	1.000	1.000				

66.12	0.000	0.000	Strato1_2_8_L_0										
31 D	13.47	9.3045E-04	58.90	67.36	114.0	67.36	V-C	6094.	-6.000	0.000	1.000	1.000	
67.36	0.000	0.000	Strato1_2_8_L_0										
32 D	13.48	8.2301E-04	62.80	67.38	117.9	67.38	V-C	1.3463E+04	-6.200	0.000	1.000	1.000	
67.38	0.000	0.000	Strato2_3095_82743_L_0										
33 D	13.59	7.2431E-04	66.80	67.95	121.9	67.95	V-C	1.3463E+04	-6.400	0.000	1.000	1.000	
67.95	0.000	0.000	Strato2_3095_82743_L_0										
34 D	13.73	6.3429E-04	70.80	68.65	125.9	68.65	V-C	1.3463E+04	-6.600	0.000	1.000	1.000	
68.65	0.000	0.000	Strato2_3095_82743_L_0										
35 D	13.89	5.5278E-04	74.80	69.46	129.9	69.46	V-C	1.3463E+04	-6.800	0.000	1.000	1.000	
69.46	0.000	0.000	Strato2_3095_82743_L_0										
36 D	13.92	4.7955E-04	78.80	69.58	133.9	70.80	UL-RL	4.0389E+04	-7.000	0.000	1.000	1.000	
69.58	0.000	0.000	Strato2_3095_82743_L_0										
37 D	13.81	4.1425E-04	82.80	69.05	137.9	72.64	UL-RL	4.0389E+04	-7.200	0.000	1.000	1.000	
69.05	0.000	0.000	Strato2_3095_82743_L_0										
38 D	13.76	3.5650E-04	86.80	68.82	141.9	74.49	UL-RL	4.0389E+04	-7.400	0.000	1.000	1.000	
68.82	0.000	0.000	Strato2_3095_82743_L_0										
39 D	13.78	3.0587E-04	90.80	68.88	145.9	76.35	UL-RL	4.0389E+04	-7.600	0.000	1.000	1.000	
68.88	0.000	0.000	Strato2_3095_82743_L_0										
40 D	13.84	2.6189E-04	94.80	69.20	149.9	78.23	UL-RL	4.0389E+04	-7.800	0.000	1.000	1.000	
69.20	0.000	0.000	Strato2_3095_82743_L_0										
41 D	13.95	2.2407E-04	98.80	69.76	153.9	80.12	UL-RL	4.0389E+04	-8.000	0.000	1.000	1.000	
69.76	0.000	0.000	Strato2_3095_82743_L_0										
42 D	14.11	1.9191E-04	102.8	70.54	157.9	82.02	UL-RL	4.0389E+04	-8.200	0.000	1.000	1.000	
70.54	0.000	0.000	Strato2_3095_82743_L_0										
43 D	14.31	1.6491E-04	106.8	71.53	161.9	83.94	UL-RL	4.0389E+04	-8.400	0.000	1.000	1.000	
71.53	0.000	0.000	Strato2_3095_82743_L_0										
44 D	14.54	1.4258E-04	110.8	72.71	165.9	85.87	UL-RL	4.0389E+04	-8.600	0.000	1.000	1.000	
72.71	0.000	0.000	Strato2_3095_82743_L_0										
45 D	14.81	1.2442E-04	114.8	74.04	169.9	87.81	UL-RL	4.0389E+04	-8.800	0.000	1.000	1.000	
74.04	0.000	0.000	Strato2_3095_82743_L_0										
46 D	15.10	1.0997E-04	118.8	75.52	173.9	89.76	UL-RL	4.0389E+04	-9.000	0.000	1.000	1.000	
75.52	0.000	0.000	Strato2_3095_82743_L_0										
47 D	15.43	9.8789E-05	122.8	77.13	177.9	91.71	UL-RL	4.0389E+04	-9.200	0.000	1.000	1.000	
77.13	0.000	0.000	Strato2_3095_82743_L_0										
48 D	15.77	9.0443E-05	126.8	78.85	181.9	93.68	UL-RL	4.0389E+04	-9.400	0.000	1.000	1.000	
78.85	0.000	0.000	Strato2_3095_82743_L_0										
49 D	16.13	8.4536E-05	130.8	80.66	185.9	95.65	UL-RL	4.0389E+04	-9.600	0.000	1.000	1.000	
80.66	0.000	0.000	Strato2_3095_82743_L_0										
50 D	16.51	8.0700E-05	134.8	82.56	189.9	97.63	UL-RL	4.0389E+04	-9.800	0.000	1.000	1.000	
82.56	0.000	0.000	Strato2_3095_82743_L_0										
51 D	16.90	7.8595E-05	138.8	84.52	193.9	99.61	UL-RL	4.0389E+04	-10.00	0.000	1.000	1.000	
84.52	0.000	0.000	Strato2_3095_82743_L_0										
52 D	17.31	7.7914E-05	142.8	86.53	197.9	101.6	UL-RL	4.0389E+04	-10.20	0.000	1.000	1.000	
86.53	0.000	0.000	Strato2_3095_82743_L_0										
53 D	17.72	7.8377E-05	146.8	88.59	201.9	103.6	UL-RL	4.0389E+04	-10.40	0.000	1.000	1.000	
88.59	0.000	0.000	Strato2_3095_82743_L_0										
54 D	18.14	7.9739E-05	150.8	90.68	205.9	105.6	UL-RL	4.0389E+04	-10.60	0.000	1.000	1.000	
90.68	0.000	0.000	Strato2_3095_82743_L_0										
55 D	18.56	8.1785E-05	154.8	92.80	209.9	107.6	UL-RL	4.0389E+04	-10.80	0.000	1.000	1.000	
92.80	0.000	0.000	Strato2_3095_82743_L_0										
56 D	18.98	8.4330E-05	158.8	94.92	213.9	109.6	UL-RL	4.0389E+04	-11.00	0.000	1.000	1.000	
94.92	0.000	0.000	Strato2_3095_82743_L_0										
57 D	19.41	8.7220E-05	162.8	97.06	217.9	111.6	UL-RL	4.0389E+04	-11.20	0.000	1.000	1.000	
97.06	0.000	0.000	Strato2_3095_82743_L_0										
58 D	19.84	9.0330E-05	166.8	99.21	221.9	113.6	UL-RL	4.0389E+04	-11.40	0.000	1.000	1.000	
99.21	0.000	0.000	Strato2_3095_82743_L_0										
59 D	20.27	9.3565E-05	170.8	101.4	225.9	115.6	UL-RL	4.0389E+04	-11.60	0.000	1.000	1.000	
101.4	0.000	0.000	Strato2_3095_82743_L_0										
60 D	20.70	9.6856E-05	174.8	103.5	229.9	117.6	UL-RL	4.0389E+04	-11.80	0.000	1.000	1.000	
103.5	0.000	0.000	Strato2_3095_82743_L_0										
61 D	10.57	1.0017E-04	178.8	105.7	233.9	119.6	UL-RL	4.0389E+04	-12.00	0.000	1.000	1.000	
105.7	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  1.6215     -1.6215    -4.02087E-11 0.32431
    2  3.9229     -3.9229    -0.32431     1.1089
    3  6.1005     -6.1005     -1.1089     2.3290
    4  9.0092     -9.0092     -2.3290     4.1308
    5  11.904     -11.904     -4.1308     6.5116
    6  15.310     -15.310     -6.5116     9.5736
    7  18.767     -18.767     -9.5736     13.327
    8  22.650     -22.650     -13.327     17.857
    9  26.577     -26.577     -17.857     23.172
   10  30.888     -30.888     -23.172     29.350
   11  35.319     -35.319     -29.350     36.414
   12  40.105     -40.105     -36.414     44.435
   13  45.027     -45.027     -44.435     53.440
   14  50.284     -50.284     -53.440     63.497
   15  55.689     -55.689     -63.497     74.635
   16  59.853     -59.853     -74.635     86.605
   17  61.105     -61.105     -86.605     98.826
   18  59.596     -59.596     -98.826     110.75
   19  55.183     -55.183     -110.75     121.78
   20  50.519     -50.519     -121.78     131.89
   21  45.876     -45.876     -131.89     141.06
   22  41.368     -41.368     -141.06     149.33
   23  36.869     -36.869     -149.33     156.71
   24  32.466     -32.466     -156.71     163.20
   25  28.059     -28.059     -163.20     168.81
   26  23.742     -23.742     -168.81     173.56
   27  19.404     -19.404     -173.56     177.44
   28  15.131     -15.131     -177.44     180.47
   29  10.821     -10.821     -180.47     182.63
   30  6.5398     -6.5398     -182.63     183.94
   31  2.9898     -2.9898     -183.94     184.54
   32 -7.0895      7.0895     -184.54     183.12
   33 -17.123      17.123     -183.12     179.70
   34 -26.683      26.683     -179.70     174.36
   35 -34.721      34.721     -174.36     167.42
   36 -41.112      41.112     -167.42     159.19
   37 -45.972      45.972     -159.19     150.00
   38 -49.372      49.372     -150.00     140.13
   39 -51.611      51.611     -140.13     129.80
   40 -52.728      52.728     -129.80     119.26
   41 -52.976      52.976     -119.26     108.66
   42 -52.392      52.392     -108.66     98.184
   43 -51.201      51.201     -98.184     87.943
   44 -49.420      49.420     -87.943     78.059
   45 -47.247      47.247     -78.059     68.610
   46 -44.692      44.692     -68.610     59.672
   47 -41.913      41.913     -59.672     51.289
   48 -38.888      38.888     -51.289     43.511
   49 -35.765      35.765     -43.511     36.358
   50 -32.509      32.509     -36.358     29.856
   51 -29.246      29.246     -29.856     24.007
   52 -25.928      25.928     -24.007     18.822
   53 -22.664      22.664     -18.822     14.289
   54 -19.409      19.409     -14.289     10.407
   55 -16.244      16.244     -10.407     7.1581
   56 -13.102      13.102     -7.1581     4.5377
   57 -10.068      10.068     -4.5377     2.5241
   58 -7.0729      7.0729     -2.5241     1.1095
   59 -4.1920      4.1920     -1.1095     0.27110
   60 -1.3554      1.3554    -0.27110     5.86718E-14
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_3484                                         |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1791E+06 RIMNOR=0.1343E+07
           RENORM= 8234.     REMNOR=0.2704E-19 RATIO =0.2144     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 184.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1791E+06 RDR   =0.1343E+07
           RATIOT=0.2144     RATIOR= 0.000
           MAX UN=0.1101E-01 IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1791E+06 RIMNOR=0.1343E+07
           RENORM= 6.662     REMNOR=0.2516E-19 RATIO =0.6098E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 184.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1791E+06 RDR   =0.1343E+07
           RATIOT=0.6098E-02 RATIOR= 0.000
           MAX UN=0.9646E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-1.363     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1791E+06 RIMNOR=0.1343E+07
           RENORM=0.8388E-01 REMNOR=0.3196E-19 RATIO =0.6843E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 184.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1791E+06 RDR   =0.1343E+07
           RATIOT=0.6843E-03 RATIOR= 0.000
           MAX UN=0.8617E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.2890     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1791E+06 RIMNOR=0.1343E+07
           RENORM=0.8579E-17 REMNOR=0.3193E-19 RATIO =0.6920E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 184.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1791E+06 RDR   =0.1343E+07
           RATIOT=0.6920E-11 RATIOR= 0.000
           MAX UN=0.1142E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.1163E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.9509194E-03  -1.0480346E-03
    2   5.7413176E-03  -1.0479575E-03
    3   5.5317547E-03  -1.0476060E-03
    4   5.3223091E-03  -1.0467456E-03
    5   5.1131073E-03  -1.0451218E-03
    6   4.9043298E-03  -1.0424566E-03
    7   4.6962137E-03  -1.0384561E-03
    8   4.4890572E-03  -1.0328083E-03
    9   4.2832220E-03  -1.0251860E-03
   10   4.0791372E-03  -1.0152476E-03
   11   3.8773010E-03  -1.0026381E-03
   12   3.6782847E-03  -9.8698671E-04
   13   3.4827348E-03  -9.6790788E-04
   14   3.2912329E-03  -9.4715851E-04
   15   3.1038660E-03  -9.2649094E-04
   16   2.9206581E-03  -9.0549975E-04
   17   2.7417146E-03  -8.8378001E-04
   18   2.5672176E-03  -8.6098824E-04
   19   2.3974048E-03  -8.3691538E-04
   20   2.2325409E-03  -8.1150142E-04
   21   2.0728916E-03  -7.8477586E-04
   22   1.9187147E-03  -7.5678800E-04
   23   1.7702566E-03  -7.2759754E-04
   24   1.6277512E-03  -6.9727441E-04
   25   1.4914170E-03  -6.6589934E-04
   26   1.3614555E-03  -6.3356363E-04
   27   1.2380494E-03  -6.0036891E-04
   28   1.1213584E-03  -5.6642629E-04
   29   1.0115206E-03  -5.3185723E-04
   30   9.0864853E-04  -4.9679274E-04
   31   8.1282720E-04  -4.6137340E-04
   32   7.2411448E-04  -4.2573089E-04
   33   6.4253388E-04  -3.9010954E-04
   34   5.6804398E-04  -3.5488845E-04
   35   5.0052619E-04  -3.2045202E-04
   36   4.3978732E-04  -2.8715336E-04
   37   3.8556976E-04  -2.5528497E-04
   38   3.3756296E-04  -2.2507630E-04
   39   2.9541724E-04  -1.9669763E-04
   40   2.5875405E-04  -1.7026680E-04
   41   2.2717585E-04  -1.4585606E-04
   42   2.0027479E-04  -1.2349781E-04
   43   1.7764000E-04  -1.0319034E-04
   44   1.5886398E-04  -8.4903013E-05
   45   1.4354784E-04  -6.8581212E-05
   46   1.3130552E-04  -5.4150215E-05
   47   1.2176770E-04  -4.1519934E-05
   48   1.1458433E-04  -3.0587911E-05
   49   1.0942679E-04  -2.1242061E-05
   50   1.0598972E-04  -1.3363231E-05
   51   1.0399199E-04  -6.8272876E-06
   52   1.0317774E-04  -1.5070454E-06
   53   1.0331663E-04   2.7256374E-06
   54   1.0420412E-04   6.0001972E-06
   55   1.0566134E-04   8.4442102E-06
   56   1.0753484E-04   1.0183730E-05
   57   1.0969614E-04   1.1342799E-05
   58   1.1204138E-04   1.2043103E-05
   59   1.1449073E-04   1.2403672E-05
   60   1.1698795E-04   1.2540743E-05
   61   1.1949981E-04   1.2567650E-05
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+------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                          |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                    Exe Time :29 July 2019      18:02:26                                                  |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   4.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	3.250	-5.9509E-03	53.34	32.50	53.34	32.50	V-C	8781.	0.000	0.000	1.000	1.000	32.50	0.000	0.000	Strato1_2_8_L_0
2 D	5.054	-5.7413E-03	37.85	25.27	37.85	25.27	V-C	8781.	-0.2000	0.000	1.000	1.000	25.27	0.000	0.000	Strato1_2_8_L_0
3 D	4.831	-5.5318E-03	35.82	24.15	35.82	24.15	V-C	8781.	-0.4000	0.000	1.000	1.000	24.15	0.000	0.000	Strato1_2_8_L_0
4 D	5.886	-5.3223E-03	47.84	29.43	47.84	29.43	V-C	8781.	-0.6000	0.000	1.000	1.000	29.43	0.000	0.000	Strato1_2_8_L_0
5 D	5.827	-5.1131E-03	47.61	29.13	47.61	29.13	V-C	8781.	-0.8000	0.000	1.000	1.000	29.13	0.000	0.000	Strato1_2_8_L_0
6 D	6.552	-4.9043E-03	56.02	32.76	56.02	32.76	V-C	8781.	-1.000	0.000	1.000	1.000	32.76	0.000	0.000	Strato1_2_8_L_0
7 D	6.590	-4.6962E-03	56.87	32.95	56.87	32.95	V-C	8781.	-1.200	0.000	1.000	1.000	32.95	0.000	0.000	Strato1_2_8_L_0
8 D	7.186	-4.4891E-03	63.86	35.93	63.86	35.93	V-C	8781.	-1.400	0.000	1.000	1.000	35.93	0.000	0.000	Strato1_2_8_L_0
9 D	7.210	-4.2832E-03	64.58	36.05	64.58	36.05	V-C	8781.	-1.600	0.000	1.000	1.000	36.05	0.000	0.000	Strato1_2_8_L_0
10 D	7.742	-4.0791E-03	70.91	38.71	70.91	38.71	V-C	8781.	-1.800	0.000	1.000	1.000	38.71	0.000	0.000	Strato1_2_8_L_0
11 D	7.877	-3.8773E-03	72.88	39.38	72.88	39.38	V-C	8781.	-2.000	0.000	1.000	1.000	39.38	0.000	0.000	Strato1_2_8_L_0
12 D	8.360	-3.6783E-03	78.72	41.80	78.72	41.80	V-C	8781.	-2.200	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_2_8_L_0
13 D	8.376	-3.4827E-03	80.96	41.88	80.96	42.91	UL-RL	2.6343E+04	-2.400	0.000	1.000	1.000	41.88	0.000	0.000	Strato1_2_8_L_0
14 D	8.549	-3.2912E-03	86.46	42.75	86.46	45.82	UL-RL	2.6343E+04	-2.600	0.000	1.000	1.000	42.75	0.000	0.000	Strato1_2_8_L_0
15 D	8.527	-3.1039E-03	88.90	42.64	88.90	47.12	UL-RL	2.6343E+04	-2.800	0.000	1.000	1.000	42.64	0.000	0.000	Strato1_2_8_L_0
16 D	8.645	-2.9207E-03	93.74	43.23	93.74	49.68	UL-RL	2.6343E+04	-3.000	0.000	1.000	1.000	43.23	0.000	0.000	Strato1_2_8_L_0
17 D	8.625	-2.7417E-03	96.36	43.12	96.36	51.07	UL-RL	2.6343E+04	-3.200	0.000	1.000	1.000	43.12	0.000	0.000	Strato1_2_8_L_0
18 D	8.754	-2.5672E-03	101.5	43.77	101.5	53.78	UL-RL	2.6343E+04	-3.400	0.000	1.000	1.000	43.77	0.000	0.000	Strato1_2_8_L_0
19 D	8.739	-2.3974E-03	104.2	43.69	104.2	55.23	UL-RL	2.6343E+04	-3.600	0.000	1.000	1.000	43.69	0.000	0.000	Strato1_2_8_L_0
20 D	8.861	-2.2325E-03	109.2	44.30	109.2	57.86	UL-RL	2.6343E+04	-3.800	0.000	1.000	1.000	44.30	0.000	0.000	Strato1_2_8_L_0
21 D	8.856	-2.0729E-03	112.0	44.28	112.0	59.37	UL-RL	2.6343E+04	-4.000	0.000	1.000	1.000	44.28	0.000	0.000	Strato1_2_8_L_0
22 D	8.978	-1.9187E-03	116.9	44.89	116.9	61.93	UL-RL	2.6343E+04	-4.200	0.000	1.000	1.000	44.89	0.000	0.000	Strato1_2_8_L_0
23 D	8.987	-1.7703E-03	119.8	44.94	119.8	63.48	UL-RL	2.6343E+04	-4.400	0.000	1.000	1.000	44.94	0.000	0.000	Strato1_2_8_L_0
24 D	9.097	-1.6278E-03	124.2	45.48	124.2	65.85	UL-RL	2.6343E+04	-4.600	0.000	1.000	1.000	45.48	0.000	0.000	Strato1_2_8_L_0
25 D	9.124	-1.4914E-03	127.2	45.62	127.2	67.44	UL-RL	2.6343E+04	-4.800	0.000	1.000	1.000	45.62	0.000	0.000	Strato1_2_8_L_0
26 D	9.261	-1.3615E-03	131.9	46.30	131.9	69.92	UL-RL	2.6343E+04	-5.000	0.000	1.000	1.000	46.30	0.000	0.000	Strato1_2_8_L_0
27 D	9.306	-1.2380E-03	135.0	46.53	135.0	71.54	UL-RL	2.6343E+04	-5.200	0.000	1.000	1.000	46.53	0.000	0.000	Strato1_2_8_L_0
28 D	9.454	-1.1214E-03	139.6	47.27	139.6	73.98	UL-RL	2.6343E+04	-5.400	0.000	1.000	1.000	47.27	0.000	0.000	Strato1_2_8_L_0
29 D	9.519	-1.0115E-03	142.7	47.59	142.7	75.63	UL-RL	2.6343E+04	-5.600	0.000	1.000	1.000	47.59	0.000	0.000	Strato1_2_8_L_0
30 D	9.680	-9.0865E-04	147.3	48.40	147.3	78.04	UL-RL	2.6343E+04	-5.800	0.000	1.000	1.000				

48.40	0.000	0.000	Strato1_2_8_L_0												
31 D	10.54	-8.1283E-04	150.2	52.71	150.2	79.60	UL-RL	2.6343E+04	-6.000	0.000	1.000	1.000			
52.71	0.000	0.000	Strato1_2_8_L_0												
32 D	4.871	-7.2411E-04	154.8	24.36	154.8	77.40	UL-RL	7.4521E+04	-6.200	0.000	1.000	1.000			
24.36	0.000	0.000	Strato2_3095_82743_L_0												
33 D	4.775	-6.4253E-04	158.2	23.88	158.2	79.09	UL-RL	7.4521E+04	-6.400	0.000	1.000	1.000			
23.88	0.000	0.000	Strato2_3095_82743_L_0												
34 D	5.157	-5.6804E-04	162.9	25.79	162.9	81.43	UL-RL	7.4521E+04	-6.600	0.000	1.000	1.000			
25.79	0.000	0.000	Strato2_3095_82743_L_0												
35 D	6.633	-5.0053E-04	166.3	33.16	166.3	83.14	UL-RL	7.4521E+04	-6.800	0.000	1.000	1.000			
33.16	0.000	0.000	Strato2_3095_82743_L_0												
36 D	8.118	-4.3979E-04	170.9	40.59	170.9	85.45	UL-RL	7.4521E+04	-7.000	0.000	1.000	1.000			
40.59	0.000	0.000	Strato2_3095_82743_L_0												
37 D	9.377	-3.8557E-04	174.4	46.89	174.4	87.18	UL-RL	7.4521E+04	-7.200	0.000	1.000	1.000			
46.89	0.000	0.000	Strato2_3095_82743_L_0												
38 D	10.65	-3.3756E-04	178.9	53.24	178.9	89.47	UL-RL	7.4521E+04	-7.400	0.000	1.000	1.000			
53.24	0.000	0.000	Strato2_3095_82743_L_0												
39 D	11.69	-2.9542E-04	182.3	58.46	182.3	91.13	UL-RL	7.4521E+04	-7.600	0.000	1.000	1.000			
58.46	0.000	0.000	Strato2_3095_82743_L_0												
40 D	12.77	-2.5875E-04	186.8	63.85	186.8	93.41	UL-RL	7.4521E+04	-7.800	0.000	1.000	1.000			
63.85	0.000	0.000	Strato2_3095_82743_L_0												
41 D	13.66	-2.2718E-04	190.3	68.28	190.3	95.17	UL-RL	7.4521E+04	-8.000	0.000	1.000	1.000			
68.28	0.000	0.000	Strato2_3095_82743_L_0												
42 D	14.57	-2.0027E-04	194.9	72.84	194.9	97.43	UL-RL	7.4521E+04	-8.200	0.000	1.000	1.000			
72.84	0.000	0.000	Strato2_3095_82743_L_0												
43 D	15.31	-1.7764E-04	198.4	76.54	198.4	99.20	UL-RL	7.4521E+04	-8.400	0.000	1.000	1.000			
76.54	0.000	0.000	Strato2_3095_82743_L_0												
44 D	16.08	-1.5886E-04	202.9	80.40	202.9	101.5	UL-RL	7.4521E+04	-8.600	0.000	1.000	1.000			
80.40	0.000	0.000	Strato2_3095_82743_L_0												
45 D	16.70	-1.4355E-04	206.5	83.48	206.5	103.2	UL-RL	7.4521E+04	-8.800	0.000	1.000	1.000			
83.48	0.000	0.000	Strato2_3095_82743_L_0												
46 D	17.34	-1.3131E-04	210.8	86.71	210.8	105.4	UL-RL	7.4521E+04	-9.000	0.000	1.000	1.000			
86.71	0.000	0.000	Strato2_3095_82743_L_0												
47 D	17.86	-1.2177E-04	214.4	89.32	214.4	107.2	UL-RL	7.4521E+04	-9.200	0.000	1.000	1.000			
89.32	0.000	0.000	Strato2_3095_82743_L_0												
48 D	18.44	-1.1458E-04	218.8	92.18	218.8	109.4	UL-RL	7.4521E+04	-9.400	0.000	1.000	1.000			
92.18	0.000	0.000	Strato2_3095_82743_L_0												
49 D	18.88	-1.0943E-04	222.4	94.42	222.4	111.2	UL-RL	7.4521E+04	-9.600	0.000	1.000	1.000			
94.42	0.000	0.000	Strato2_3095_82743_L_0												
50 D	19.39	-1.0599E-04	226.9	96.95	226.9	113.4	UL-RL	7.4521E+04	-9.800	0.000	1.000	1.000			
96.95	0.000	0.000	Strato2_3095_82743_L_0												
51 D	19.79	-1.0399E-04	230.5	98.94	230.5	115.2	UL-RL	7.4521E+04	-10.00	0.000	1.000	1.000			
98.94	0.000	0.000	Strato2_3095_82743_L_0												
52 D	20.25	-1.0318E-04	234.9	101.2	234.9	117.5	UL-RL	7.4521E+04	-10.20	0.000	1.000	1.000			
101.2	0.000	0.000	Strato2_3095_82743_L_0												
53 D	20.61	-1.0332E-04	238.5	103.1	238.5	119.3	UL-RL	7.4521E+04	-10.40	0.000	1.000	1.000			
103.1	0.000	0.000	Strato2_3095_82743_L_0												
54 D	21.03	-1.0420E-04	242.8	105.1	242.8	121.4	UL-RL	7.4521E+04	-10.60	0.000	1.000	1.000			
105.1	0.000	0.000	Strato2_3095_82743_L_0												
55 D	21.37	-1.0566E-04	246.5	106.8	246.5	123.2	UL-RL	7.4521E+04	-10.80	0.000	1.000	1.000			
106.8	0.000	0.000	Strato2_3095_82743_L_0												
56 D	21.78	-1.0753E-04	250.9	108.9	250.9	125.4	UL-RL	7.4521E+04	-11.00	0.000	1.000	1.000			
108.9	0.000	0.000	Strato2_3095_82743_L_0												
57 D	22.11	-1.0970E-04	254.5	110.6	254.5	127.3	UL-RL	7.4521E+04	-11.20	0.000	1.000	1.000			
110.6	0.000	0.000	Strato2_3095_82743_L_0												
58 D	22.51	-1.1204E-04	258.9	112.6	258.9	129.4	UL-RL	7.4521E+04	-11.40	0.000	1.000	1.000			
112.6	0.000	0.000	Strato2_3095_82743_L_0												
59 D	22.84	-1.1449E-04	262.5	114.2	262.5	131.3	UL-RL	7.4521E+04	-11.60	0.000	1.000	1.000			
114.2	0.000	0.000	Strato2_3095_82743_L_0												
60 D	23.24	-1.1699E-04	266.9	116.2	266.9	133.5	UL-RL	7.4521E+04	-11.80	0.000	1.000	1.000			
116.2	0.000	0.000	Strato2_3095_82743_L_0												
61 D	11.78	-1.1950E-04	270.5	117.8	270.5	135.2	UL-RL	7.4521E+04	-12.00	0.000	1.000	1.000			
117.8	0.000	0.000	Strato2_3095_82743_L_0												

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
 |                                  Exe Time :29 July 2019      18:02:26                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --         --          --          --          --          REMOVED     --        0.000       0.000        1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --         --          --          --          --          REMOVED     --       -0.2000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --         --          --          --          --          REMOVED     --       -0.4000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --         --          --          --          --          REMOVED     --       -0.6000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --         --          --          --          --          REMOVED     --       -0.8000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --         --          --          --          --          REMOVED     --        -1.000      0.000        1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --         --          --          --          --          REMOVED     --        -1.200      0.000        1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --         --          --          --          --          REMOVED     --        -1.400      0.000        1.000       1.000
0.000       0.000       0.000     not available
   9     0.000         --         --          --          --          --          REMOVED     --        -1.600      0.000        1.000       1.000
0.000       0.000       0.000     not available
  10     0.000         --         --          --          --          --          REMOVED     --        -1.800      0.000        1.000       1.000
0.000       0.000       0.000     not available
  11     0.000         --         --          --          --          --          REMOVED     --        -2.000      0.000        1.000       1.000
0.000       0.000       0.000     not available
  12     0.000         --         --          --          --          --          REMOVED     --        -2.200      0.000        1.000       1.000
0.000       0.000       0.000     not available
  13     0.000         --         --          --          --          --          REMOVED     --        -2.400      0.000        1.000       1.000
0.000       0.000       0.000     not available
  14     0.000         --         --          --          --          --          REMOVED     --        -2.600      0.000        1.000       1.000
0.000       0.000       0.000     not available
  15     0.000         --         --          --          --          --          REMOVED     --        -2.800      0.000        1.000       1.000
0.000       0.000       0.000     not available
  16 D  0.1155      2.9207E-03   1.900       0.5776      57.00       34.31        ACTIVE   0.000       -3.000      0.000        1.000       1.000
0.5776      0.000       0.000     Strato1_2_8_L_0
  17 D  2.687       2.7417E-03   5.700       13.44       60.80       36.18         UL-RL  1.8281E+04  -3.200      0.000        1.000       1.000
13.44       0.000       0.000     Strato1_2_8_L_0
  18 D  5.884       2.5672E-03   9.500       29.42       64.60       38.39         UL-RL  1.8281E+04  -3.400      0.000        1.000       1.000
29.42       0.000       0.000     Strato1_2_8_L_0
  19 D  9.082       2.3974E-03   13.30       45.41       68.40       53.75         UL-RL  1.8281E+04  -3.600      0.000        1.000       1.000
45.41       0.000       0.000     Strato1_2_8_L_0
  20 D  9.760       2.2325E-03   17.10       48.80       72.20       56.51         UL-RL  1.8281E+04  -3.800      0.000        1.000       1.000
48.80       0.000       0.000     Strato1_2_8_L_0
  21 D  10.03       2.0729E-03   20.90       50.17       76.00       57.27         UL-RL  1.8281E+04  -4.000      0.000        1.000       1.000
50.17       0.000       0.000     Strato1_2_8_L_0
  22 D  10.31       1.9187E-03   24.70       51.57       79.80       58.06         UL-RL  1.8281E+04  -4.200      0.000        1.000       1.000
51.57       0.000       0.000     Strato1_2_8_L_0
  23 D  10.60       1.7703E-03   28.50       52.99       83.60       58.90         UL-RL  1.8281E+04  -4.400      0.000        1.000       1.000
52.99       0.000       0.000     Strato1_2_8_L_0
  24 D  10.89       1.6278E-03   32.30       54.43       87.40       59.79         UL-RL  1.8281E+04  -4.600      0.000        1.000       1.000
54.43       0.000       0.000     Strato1_2_8_L_0
  25 D  11.18       1.4914E-03   36.10       55.90       91.20       60.72         UL-RL  1.8281E+04  -4.800      0.000        1.000       1.000
55.90       0.000       0.000     Strato1_2_8_L_0
  26 D  11.48       1.3615E-03   39.90       57.39       95.00       61.69         UL-RL  1.8281E+04  -5.000      0.000        1.000       1.000
57.39       0.000       0.000     Strato1_2_8_L_0
  27 D  11.78       1.2380E-03   43.70       58.91       98.80       62.72         UL-RL  1.8281E+04  -5.200      0.000        1.000       1.000
58.91       0.000       0.000     Strato1_2_8_L_0
  28 D  12.09       1.1214E-03   47.50       60.45       102.6       63.80         UL-RL  1.8281E+04  -5.400      0.000        1.000       1.000
60.45       0.000       0.000     Strato1_2_8_L_0
  29 D  12.40       1.0115E-03   51.30       62.01       106.4       64.93         UL-RL  1.8281E+04  -5.600      0.000        1.000       1.000
62.01       0.000       0.000     Strato1_2_8_L_0
  30 D  12.72       9.0865E-04   55.10       63.59       110.2       66.12         UL-RL  1.8281E+04  -5.800      0.000        1.000       1.000
```

63.59 0.000 0.000 Strato1_2_8_L_0
31 D 13.04 8.1283E-04 58.90 65.21 114.0 67.36 UL-RL 1.8281E+04 -6.000 0.000 1.000 1.000
65.21 0.000 0.000 Strato1_2_8_L_0
32 D 12.68 7.2411E-04 62.80 63.39 117.9 67.38 UL-RL 4.0389E+04 -6.200 0.000 1.000 1.000
63.39 0.000 0.000 Strato2_3095_82743_L_0
33 D 12.93 6.4253E-04 66.80 64.65 121.9 67.95 UL-RL 4.0389E+04 -6.400 0.000 1.000 1.000
64.65 0.000 0.000 Strato2_3095_82743_L_0
34 D 13.19 5.6804E-04 70.80 65.97 125.9 68.65 UL-RL 4.0389E+04 -6.600 0.000 1.000 1.000
65.97 0.000 0.000 Strato2_3095_82743_L_0
35 D 13.47 5.0053E-04 74.80 67.35 129.9 69.46 UL-RL 4.0389E+04 -6.800 0.000 1.000 1.000
67.35 0.000 0.000 Strato2_3095_82743_L_0
36 D 13.59 4.3979E-04 78.80 67.97 133.9 70.80 UL-RL 4.0389E+04 -7.000 0.000 1.000 1.000
67.97 0.000 0.000 Strato2_3095_82743_L_0
37 D 13.58 3.8557E-04 82.80 67.89 137.9 72.64 UL-RL 4.0389E+04 -7.200 0.000 1.000 1.000
67.89 0.000 0.000 Strato2_3095_82743_L_0
38 D 13.61 3.3756E-04 86.80 68.06 141.9 74.49 UL-RL 4.0389E+04 -7.400 0.000 1.000 1.000
68.06 0.000 0.000 Strato2_3095_82743_L_0
39 D 13.69 2.9542E-04 90.80 68.46 145.9 76.35 UL-RL 4.0389E+04 -7.600 0.000 1.000 1.000
68.46 0.000 0.000 Strato2_3095_82743_L_0
40 D 13.81 2.5875E-04 94.80 69.07 149.9 78.23 UL-RL 4.0389E+04 -7.800 0.000 1.000 1.000
69.07 0.000 0.000 Strato2_3095_82743_L_0
41 D 13.98 2.2718E-04 98.80 69.88 153.9 80.12 UL-RL 4.0389E+04 -8.000 0.000 1.000 1.000
69.88 0.000 0.000 Strato2_3095_82743_L_0
42 D 14.18 2.0027E-04 102.8 70.88 157.9 82.02 UL-RL 4.0389E+04 -8.200 0.000 1.000 1.000
70.88 0.000 0.000 Strato2_3095_82743_L_0
43 D 14.41 1.7764E-04 106.8 72.05 161.9 83.94 UL-RL 4.0389E+04 -8.400 0.000 1.000 1.000
72.05 0.000 0.000 Strato2_3095_82743_L_0
44 D 14.67 1.5886E-04 110.8 73.36 165.9 85.87 UL-RL 4.0389E+04 -8.600 0.000 1.000 1.000
73.36 0.000 0.000 Strato2_3095_82743_L_0
45 D 14.96 1.4355E-04 114.8 74.81 169.9 87.81 UL-RL 4.0389E+04 -8.800 0.000 1.000 1.000
74.81 0.000 0.000 Strato2_3095_82743_L_0
46 D 15.28 1.3131E-04 118.8 76.38 173.9 89.76 UL-RL 4.0389E+04 -9.000 0.000 1.000 1.000
76.38 0.000 0.000 Strato2_3095_82743_L_0
47 D 15.61 1.2177E-04 122.8 78.06 177.9 91.71 UL-RL 4.0389E+04 -9.200 0.000 1.000 1.000
78.06 0.000 0.000 Strato2_3095_82743_L_0
48 D 15.97 1.1458E-04 126.8 79.83 181.9 93.68 UL-RL 4.0389E+04 -9.400 0.000 1.000 1.000
79.83 0.000 0.000 Strato2_3095_82743_L_0
49 D 16.33 1.0943E-04 130.8 81.67 185.9 95.65 UL-RL 4.0389E+04 -9.600 0.000 1.000 1.000
81.67 0.000 0.000 Strato2_3095_82743_L_0
50 D 16.72 1.0599E-04 134.8 83.58 189.9 97.63 UL-RL 4.0389E+04 -9.800 0.000 1.000 1.000
83.58 0.000 0.000 Strato2_3095_82743_L_0
51 D 17.11 1.0399E-04 138.8 85.54 193.9 99.61 UL-RL 4.0389E+04 -10.00 0.000 1.000 1.000
85.54 0.000 0.000 Strato2_3095_82743_L_0
52 D 17.51 1.0318E-04 142.8 87.55 197.9 101.6 UL-RL 4.0389E+04 -10.20 0.000 1.000 1.000
87.55 0.000 0.000 Strato2_3095_82743_L_0
53 D 17.92 1.0332E-04 146.8 89.60 201.9 103.6 UL-RL 4.0389E+04 -10.40 0.000 1.000 1.000
89.60 0.000 0.000 Strato2_3095_82743_L_0
54 D 18.33 1.0420E-04 150.8 91.67 205.9 105.6 UL-RL 4.0389E+04 -10.60 0.000 1.000 1.000
91.67 0.000 0.000 Strato2_3095_82743_L_0
55 D 18.75 1.0566E-04 154.8 93.76 209.9 107.6 UL-RL 4.0389E+04 -10.80 0.000 1.000 1.000
93.76 0.000 0.000 Strato2_3095_82743_L_0
56 D 19.17 1.0753E-04 158.8 95.86 213.9 109.6 UL-RL 4.0389E+04 -11.00 0.000 1.000 1.000
95.86 0.000 0.000 Strato2_3095_82743_L_0
57 D 19.59 1.0970E-04 162.8 97.97 217.9 111.6 UL-RL 4.0389E+04 -11.20 0.000 1.000 1.000
97.97 0.000 0.000 Strato2_3095_82743_L_0
58 D 20.02 1.1204E-04 166.8 100.1 221.9 113.6 UL-RL 4.0389E+04 -11.40 0.000 1.000 1.000
100.1 0.000 0.000 Strato2_3095_82743_L_0
59 D 20.44 1.1449E-04 170.8 102.2 225.9 115.6 UL-RL 4.0389E+04 -11.60 0.000 1.000 1.000
102.2 0.000 0.000 Strato2_3095_82743_L_0
60 D 20.86 1.1699E-04 174.8 104.3 229.9 117.6 UL-RL 4.0389E+04 -11.80 0.000 1.000 1.000
104.3 0.000 0.000 Strato2_3095_82743_L_0
61 D 10.64 1.1950E-04 178.8 106.4 233.9 119.6 UL-RL 4.0389E+04 -12.00 0.000 1.000 1.000
106.4 0.000 0.000 Strato2_3095_82743_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                        NewProject.BaseDesignSection_28.A1M1R1_3484                                      |
|                                   Exe Time :29 July 2019      18:02:26                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  3.2501     -3.2501    -3.83240E-11 0.65002
    2  8.3038     -8.3038    -0.65002      2.3108
    3  13.135     -13.135     -2.3108      4.9377
    4  19.021     -19.021     -4.9377      8.7418
    5  24.847     -24.847     -8.7418      13.711
    6  31.400     -31.400     -13.711      19.991
    7  37.990     -37.990     -19.991      27.589
    8  45.176     -45.176     -27.589      36.624
    9  52.386     -52.386     -36.624      47.102
   10  60.128     -60.128     -47.102      59.127
   11  68.005     -68.005     -59.127      72.728
   12  76.365     -76.365     -72.728      88.001
   13 -5.9974      5.9974     -88.001      86.802
   14  2.5519     -2.5519     -86.802      87.312
   15  11.079     -11.079     -87.312      89.528
   16  19.609     -19.609     -89.528      93.450
   17  25.547     -25.547     -93.450      98.559
   18  28.416     -28.416     -98.559      104.24
   19  28.074     -28.074     -104.24      109.86
   20  27.175     -27.175     -109.86      115.29
   21  25.996     -25.996     -115.29      120.49
   22  24.661     -24.661     -120.49      125.42
   23  23.050     -23.050     -125.42      130.03
   24  21.260     -21.260     -130.03      134.29
   25  19.204     -19.204     -134.29      138.13
   26  16.986     -16.986     -138.13      141.52
   27  14.511     -14.511     -141.52      144.43
   28  11.876     -11.876     -144.43      146.80
   29  8.9931     -8.9931     -146.80      148.60
   30  5.9541     -5.9541     -148.60      149.79
   31  3.4538     -3.4538     -149.79      150.48
   32 -4.3527      4.3527     -150.48      149.61
   33 -12.507      12.507     -149.61      147.11
   34 -20.544      20.544     -147.11      143.00
   35 -27.381      27.381     -143.00      137.52
   36 -32.859      32.859     -137.52      130.95
   37 -37.060      37.060     -130.95      123.54
   38 -40.024      40.024     -123.54      115.54
   39 -42.024      42.024     -115.54      107.13
   40 -43.068      43.068     -107.13      98.517
   41 -43.388      43.388     -98.517      89.840
   42 -42.996      42.996     -89.840      81.241
   43 -42.098      42.098     -81.241      72.821
   44 -40.692      40.692     -72.821      64.683
   45 -38.958      38.958     -64.683      56.891
   46 -36.893      36.893     -56.891      49.513
   47 -34.642      34.642     -49.513      42.584
   48 -32.172      32.172     -42.584      36.150
   49 -29.621      29.621     -36.150      30.226
   50 -26.946      26.946     -30.226      24.836
   51 -24.267      24.267     -24.836      19.983
   52 -21.530      21.530     -19.983      15.677
   53 -18.839      18.839     -15.677      11.909
   54 -16.146      16.146     -11.909      8.6802
   55 -13.529      13.529     -8.6802      5.9744
   56 -10.921      10.921     -5.9744      3.7902
   57 -8.4034      8.4034     -3.7902      2.1095
   58 -5.9072      5.9072     -2.1095     0.92809
   59 -3.5071      3.5071    -0.92809     0.22666
   60 -1.1333      1.1333    -0.22666     8.46930E-13
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                  Exe Time :29 July 2019      18:02:26                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -6.33291E-04 -6.33291E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1316E+06 RIMNOR=0.9980E+06
           RENORM= 2322.     REMNOR=0.3193E-19 RATIO =0.1328     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 150.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1316E+06 RDR   =0.9980E+06
           RATIOT=0.1328     RATIOR= 0.000
           MAX UN= 13.04     IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.1163E-08 IEQ=     11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1316E+06 RIMNOR=0.9980E+06
           RENORM= 207.7     REMNOR=0.8084E-19 RATIO =0.3972E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 150.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1316E+06 RDR   =0.9980E+06
           RATIOT=0.3972E-01 RATIOR= 0.000
           MAX UN= 6.729     IEQ=     63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.1018E-08 IEQ=     11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1316E+06 RIMNOR=0.9980E+06
           RENORM= 6.321     REMNOR=0.5247E-19 RATIO =0.6930E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 150.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1316E+06 RDR   =0.9980E+06
           RATIOT=0.6930E-02 RATIOR= 0.000
           MAX UN= 1.703     IEQ=     77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.1090E-08 IEQ=     31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1316E+06 RIMNOR=0.9980E+06
           RENORM= 1.239     REMNOR=0.6237E-19 RATIO =0.3068E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 150.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1316E+06 RDR   =0.9980E+06
           RATIOT=0.3068E-02 RATIOR= 0.000
           MAX UN=0.7892     IEQ=      7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1414E-08 IEQ=     19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1316E+06 RIMNOR=0.9980E+06
           RENORM=0.2251E-01 REMNOR=0.5273E-19 RATIO =0.4135E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 150.5
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.1316E+06 RDR   =0.9980E+06
           RATIOT=0.4135E-03 RATIOR= 0.000
           MAX UN=0.1449     IEQ=     71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.1264E-08 IEQ=     37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
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          RINORM=0.1316E+06 RIMNOR=0.9980E+06
          RENORM=0.1170E-16 REMNOR=0.2446E-19 RATIO =0.9426E-11 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 90.74     RMMAX = 150.5
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
          RDT   =0.1316E+06 RDR   =0.9980E+06
          RATIOT=0.9426E-11 RATIOR= 0.000
          MAX UN=0.1221E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
          MIN UN=-.1402E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A1M1R1_3484                                        |
|                                 Exe Time :29 July 2019      18:02:26                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   7.7470487E-03  -8.7933184E-04
    2   7.5711849E-03  -8.7929334E-04
    3   7.3953401E-03  -8.7912322E-04
    4   7.2195515E-03  -8.7871514E-04
    5   7.0438780E-03  -8.7794835E-04
    6   6.8684052E-03  -8.7668508E-04
    7   6.6932470E-03  -8.7477574E-04
    8   6.5185489E-03  -8.7205741E-04
    9   6.3444896E-03  -8.6835580E-04
   10   6.1712845E-03  -8.6348554E-04
   11   5.9991864E-03  -8.5725106E-04
   12   5.8284888E-03  -8.4944482E-04
   13   5.6595278E-03  -8.3984799E-04
   14   5.4925323E-03  -8.3051123E-04
   15   5.3271700E-03  -8.2347403E-04
   16   5.1630062E-03  -8.1848328E-04
   17   4.9996578E-03  -8.1527533E-04
   18   4.8367955E-03  -8.1357582E-04
   19   4.6741460E-03  -8.1309918E-04
   20   4.5114941E-03  -8.1354853E-04
   21   4.3486854E-03  -8.1461587E-04
   22   4.1856279E-03  -8.1598195E-04
   23   4.0222947E-03  -8.1731641E-04
   24   3.8587262E-03  -8.1827770E-04
   25   3.6950320E-03  -8.1851361E-04
   26   3.5313933E-03  -8.1766113E-04
   27   3.3680658E-03  -8.1534620E-04
   28   3.2053788E-03  -8.1118355E-04
   29   3.0437420E-03  -8.0477687E-04
   30   2.8836449E-03  -7.9571868E-04
   31   2.7256592E-03  -7.8359048E-04
   32   2.5704427E-03  -7.6796304E-04
   33   2.4187074E-03  -7.4884596E-04
   34   2.2711059E-03  -7.2670460E-04
   35   2.1281954E-03  -7.0201670E-04
   36   1.9904371E-03  -6.7526106E-04
   37   1.8581975E-03  -6.4691706E-04
   38   1.7317452E-03  -6.1745955E-04
   39   1.6112570E-03  -5.8735210E-04
   40   1.4968177E-03  -5.5704398E-04
   41   1.3884237E-03  -5.2697151E-04
   42   1.2859855E-03  -4.9755386E-04
   43   1.1893336E-03  -4.6916509E-04
   44   1.0982302E-03  -4.4211451E-04
   45   1.0123823E-03  -4.1665218E-04
   46   9.3145090E-04  -3.9297314E-04
   47   8.5506443E-04  -3.7122314E-04
   48   7.8282638E-04  -3.5150212E-04
   49   7.1432447E-04  -3.3386782E-04
   50   6.4913921E-04  -3.1833903E-04
   51   5.8684998E-04  -3.0489833E-04
   52   5.2704259E-04  -2.9349467E-04
   53   4.6932309E-04  -2.8404683E-04
   54   4.1330391E-04  -2.7644165E-04
   55   3.5863287E-04  -2.7053990E-04
   56   3.0498550E-04  -2.6617501E-04
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57   2.5207326E-04  -2.6315414E-04
58   1.9964881E-04  -2.6125873E-04
59   1.4751100E-04  -2.6024490E-04
60   9.5510010E-05  -2.5984369E-04
61   4.3549678E-05  -2.5976116E-04
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                         |
|                                   Exe Time :29 July 2019       18:02:26                                  |
+----------------------------------------------------------------------------------------------------------+
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	1.622	-7.7470E-03	53.34	16.22	53.34	32.50	ACTIVE	0.000	0.000	0.000	1.000	1.000	16.22	0.000	0.000	Strato1_2_8_L_0
2 D	2.301	-7.5712E-03	37.85	11.51	37.85	25.27	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	11.51	0.000	0.000	Strato1_2_8_L_0
3 D	2.178	-7.3953E-03	35.82	10.89	35.82	24.15	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	10.89	0.000	0.000	Strato1_2_8_L_0
4 D	2.909	-7.2196E-03	47.84	14.54	47.84	29.43	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	14.54	0.000	0.000	Strato1_2_8_L_0
5 D	2.895	-7.0439E-03	47.61	14.47	47.61	29.13	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	14.47	0.000	0.000	Strato1_2_8_L_0
6 D	3.406	-6.8684E-03	56.02	17.03	56.02	32.76	ACTIVE	0.000	-1.000	0.000	1.000	1.000	17.03	0.000	0.000	Strato1_2_8_L_0
7 D	3.458	-6.6932E-03	56.87	17.29	56.87	32.95	ACTIVE	0.000	-1.200	0.000	1.000	1.000	17.29	0.000	0.000	Strato1_2_8_L_0
8 D	3.883	-6.5185E-03	63.86	19.41	63.86	35.93	ACTIVE	0.000	-1.400	0.000	1.000	1.000	19.41	0.000	0.000	Strato1_2_8_L_0
9 D	3.926	-6.3445E-03	64.58	19.63	64.58	36.05	ACTIVE	0.000	-1.600	0.000	1.000	1.000	19.63	0.000	0.000	Strato1_2_8_L_0
10 D	4.311	-6.1713E-03	70.91	21.56	70.91	38.71	ACTIVE	0.000	-1.800	0.000	1.000	1.000	21.56	0.000	0.000	Strato1_2_8_L_0
11 D	4.431	-5.9992E-03	72.88	22.16	72.88	39.38	ACTIVE	0.000	-2.000	0.000	1.000	1.000	22.16	0.000	0.000	Strato1_2_8_L_0
12 D	4.786	-5.8285E-03	78.72	23.93	78.72	41.80	ACTIVE	0.000	-2.200	0.000	1.000	1.000	23.93	0.000	0.000	Strato1_2_8_L_0
13 D	4.922	-5.6595E-03	80.96	24.61	80.96	42.91	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.61	0.000	0.000	Strato1_2_8_L_0
14 D	5.257	-5.4925E-03	86.46	26.28	86.46	45.82	ACTIVE	0.000	-2.600	0.000	1.000	1.000	26.28	0.000	0.000	Strato1_2_8_L_0
15 D	5.405	-5.3272E-03	88.90	27.03	88.90	47.12	ACTIVE	0.000	-2.800	0.000	1.000	1.000	27.03	0.000	0.000	Strato1_2_8_L_0
16 D	5.699	-5.1630E-03	93.74	28.50	93.74	49.68	ACTIVE	0.000	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_2_8_L_0
17 D	5.859	-4.9997E-03	96.36	29.29	96.36	51.07	ACTIVE	0.000	-3.200	0.000	1.000	1.000	29.29	0.000	0.000	Strato1_2_8_L_0
18 D	6.169	-4.8368E-03	101.5	30.85	101.5	53.78	ACTIVE	0.000	-3.400	0.000	1.000	1.000	30.85	0.000	0.000	Strato1_2_8_L_0
19 D	6.336	-4.6741E-03	104.2	31.68	104.2	55.23	ACTIVE	0.000	-3.600	0.000	1.000	1.000	31.68	0.000	0.000	Strato1_2_8_L_0
20 D	6.638	-4.5115E-03	109.2	33.19	109.2	57.86	ACTIVE	0.000	-3.800	0.000	1.000	1.000	33.19	0.000	0.000	Strato1_2_8_L_0
21 D	6.810	-4.3487E-03	112.0	34.05	112.0	59.37	ACTIVE	0.000	-4.000	0.000	1.000	1.000	34.05	0.000	0.000	Strato1_2_8_L_0
22 D	7.105	-4.1856E-03	116.9	35.52	116.9	61.93	ACTIVE	0.000	-4.200	0.000	1.000	1.000	35.52	0.000	0.000	Strato1_2_8_L_0
23 D	7.282	-4.0223E-03	119.8	36.41	119.8	63.48	ACTIVE	0.000	-4.400	0.000	1.000	1.000	36.41	0.000	0.000	Strato1_2_8_L_0
24 D	7.554	-3.8587E-03	124.2	37.77	124.2	65.85	ACTIVE	0.000	-4.600	0.000	1.000	1.000	37.77	0.000	0.000	Strato1_2_8_L_0
25 D	7.736	-3.6950E-03	127.2	38.68	127.2	67.44	ACTIVE	0.000	-4.800	0.000	1.000	1.000	38.68	0.000	0.000	Strato1_2_8_L_0
26 D	8.021	-3.5314E-03	131.9	40.11	131.9	69.92	ACTIVE	0.000	-5.000	0.000	1.000	1.000	40.11	0.000	0.000	Strato1_2_8_L_0
27 D	8.207	-3.3681E-03	135.0	41.03	135.0	71.54	ACTIVE	0.000	-5.200	0.000	1.000	1.000	41.03	0.000	0.000	Strato1_2_8_L_0
28 D	8.487	-3.2054E-03	139.6	42.44	139.6	73.98	ACTIVE	0.000	-5.400	0.000	1.000	1.000	42.44	0.000	0.000	Strato1_2_8_L_0
29 D	8.676	-3.0437E-03	142.7	43.38	142.7	75.63	ACTIVE	0.000	-5.600	0.000	1.000	1.000	43.38	0.000	0.000	Strato1_2_8_L_0
30 D	8.953	-2.8836E-03	147.3	44.76	147.3	78.04	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

44.76	0.000	0.000	Strato1_2_8_L_0										
31 D	9.131	-2.7257E-03	150.2	45.66	150.2	79.60	ACTIVE	0.000	-6.000	0.000	1.000	1.000	
45.66	0.000	0.000	Strato1_2_8_L_0										
32 D	3.397	-2.5704E-03	154.8	16.99	154.8	77.40	ACTIVE	0.000	-6.200	0.000	1.000	1.000	
16.99	0.000	0.000	Strato2_3095_82743_L_0										
33 D	3.557	-2.4187E-03	158.2	17.78	158.2	79.09	ACTIVE	0.000	-6.400	0.000	1.000	1.000	
17.78	0.000	0.000	Strato2_3095_82743_L_0										
34 D	3.776	-2.2711E-03	162.9	18.88	162.9	81.43	ACTIVE	0.000	-6.600	0.000	1.000	1.000	
18.88	0.000	0.000	Strato2_3095_82743_L_0										
35 D	3.937	-2.1282E-03	166.3	19.68	166.3	83.14	ACTIVE	0.000	-6.800	0.000	1.000	1.000	
19.68	0.000	0.000	Strato2_3095_82743_L_0										
36 D	4.154	-1.9904E-03	170.9	20.77	170.9	85.45	ACTIVE	0.000	-7.000	0.000	1.000	1.000	
20.77	0.000	0.000	Strato2_3095_82743_L_0										
37 D	4.317	-1.8582E-03	174.4	21.58	174.4	87.18	ACTIVE	0.000	-7.200	0.000	1.000	1.000	
21.58	0.000	0.000	Strato2_3095_82743_L_0										
38 D	4.532	-1.7317E-03	178.9	22.66	178.9	89.47	ACTIVE	0.000	-7.400	0.000	1.000	1.000	
22.66	0.000	0.000	Strato2_3095_82743_L_0										
39 D	4.688	-1.6113E-03	182.3	23.44	182.3	91.13	ACTIVE	0.000	-7.600	0.000	1.000	1.000	
23.44	0.000	0.000	Strato2_3095_82743_L_0										
40 D	4.903	-1.4968E-03	186.8	24.51	186.8	93.41	ACTIVE	0.000	-7.800	0.000	1.000	1.000	
24.51	0.000	0.000	Strato2_3095_82743_L_0										
41 D	5.292	-1.3884E-03	190.3	26.46	190.3	95.17	UL-RL	3.6018E+04	-8.000	0.000	1.000	1.000	
26.46	0.000	0.000	Strato2_3095_82743_L_0										
42 D	6.747	-1.2860E-03	194.9	33.74	194.9	97.43	UL-RL	3.6018E+04	-8.200	0.000	1.000	1.000	
33.74	0.000	0.000	Strato2_3095_82743_L_0										
43 D	8.019	-1.1893E-03	198.4	40.10	198.4	99.20	UL-RL	3.6018E+04	-8.400	0.000	1.000	1.000	
40.10	0.000	0.000	Strato2_3095_82743_L_0										
44 D	9.312	-1.0982E-03	202.9	46.56	202.9	101.5	UL-RL	3.6018E+04	-8.600	0.000	1.000	1.000	
46.56	0.000	0.000	Strato2_3095_82743_L_0										
45 D	10.44	-1.0124E-03	206.5	52.19	206.5	103.2	UL-RL	3.6018E+04	-8.800	0.000	1.000	1.000	
52.19	0.000	0.000	Strato2_3095_82743_L_0										
46 D	11.58	-9.3145E-04	210.8	57.89	210.8	105.4	UL-RL	3.6018E+04	-9.000	0.000	1.000	1.000	
57.89	0.000	0.000	Strato2_3095_82743_L_0										
47 D	12.58	-8.5506E-04	214.4	62.91	214.4	107.2	UL-RL	3.6018E+04	-9.200	0.000	1.000	1.000	
62.91	0.000	0.000	Strato2_3095_82743_L_0										
48 D	13.62	-7.8283E-04	218.8	68.11	218.8	109.4	UL-RL	3.6018E+04	-9.400	0.000	1.000	1.000	
68.11	0.000	0.000	Strato2_3095_82743_L_0										
49 D	14.53	-7.1432E-04	222.4	72.64	222.4	111.2	UL-RL	3.6018E+04	-9.600	0.000	1.000	1.000	
72.64	0.000	0.000	Strato2_3095_82743_L_0										
50 D	15.48	-6.4914E-04	226.9	77.39	226.9	113.4	UL-RL	3.6018E+04	-9.800	0.000	1.000	1.000	
77.39	0.000	0.000	Strato2_3095_82743_L_0										
51 D	16.31	-5.8685E-04	230.5	81.55	230.5	115.2	UL-RL	3.6018E+04	-10.00	0.000	1.000	1.000	
81.55	0.000	0.000	Strato2_3095_82743_L_0										
52 D	17.19	-5.2704E-04	234.9	85.97	234.9	117.5	UL-RL	3.6018E+04	-10.20	0.000	1.000	1.000	
85.97	0.000	0.000	Strato2_3095_82743_L_0										
53 D	17.97	-4.6932E-04	238.5	89.87	238.5	119.3	UL-RL	3.6018E+04	-10.40	0.000	1.000	1.000	
89.87	0.000	0.000	Strato2_3095_82743_L_0										
54 D	18.80	-4.1330E-04	242.8	94.00	242.8	121.4	UL-RL	3.6018E+04	-10.60	0.000	1.000	1.000	
94.00	0.000	0.000	Strato2_3095_82743_L_0										
55 D	19.55	-3.5863E-04	246.5	97.73	246.5	123.2	UL-RL	3.6018E+04	-10.80	0.000	1.000	1.000	
97.73	0.000	0.000	Strato2_3095_82743_L_0										
56 D	20.36	-3.0499E-04	250.9	101.8	250.9	125.4	UL-RL	3.6018E+04	-11.00	0.000	1.000	1.000	
101.8	0.000	0.000	Strato2_3095_82743_L_0										
57 D	21.09	-2.5207E-04	254.5	105.4	254.5	127.3	UL-RL	3.6018E+04	-11.20	0.000	1.000	1.000	
105.4	0.000	0.000	Strato2_3095_82743_L_0										
58 D	21.88	-1.9965E-04	258.9	109.4	258.9	129.4	UL-RL	3.6018E+04	-11.40	0.000	1.000	1.000	
109.4	0.000	0.000	Strato2_3095_82743_L_0										
59 D	22.60	-1.4751E-04	262.5	113.0	262.5	131.3	UL-RL	3.6018E+04	-11.60	0.000	1.000	1.000	
113.0	0.000	0.000	Strato2_3095_82743_L_0										
60 D	23.39	-9.5510E-05	266.9	117.0	266.9	133.5	UL-RL	3.6018E+04	-11.80	0.000	1.000	1.000	
117.0	0.000	0.000	Strato2_3095_82743_L_0										
61 D	12.05	-4.3550E-05	270.5	120.5	270.5	135.2	UL-RL	3.6018E+04	-12.00	0.000	1.000	1.000	
120.5	0.000	0.000	Strato2_3095_82743_L_0										

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                   NewProject.BaseDesignSection_28.A1M1R1_3484                             |
|                                Exe Time :29 July 2019      18:02:26                                        |
+-----------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P  N O.    2

0_R                               :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      5.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000				

```
0.000       0.000       0.000     not available
  31     0.000         --          --          --          --          --          REMOVED     --        -6.000      0.000       1.000       1.000
0.000       0.000       0.000     not available
  32 D   12.94       2.5704E-03  2.000       64.70       117.9       67.38          UL-RL    1.9852E+04  -6.200      0.000       1.000       1.000
64.70       0.000       0.000     Strato2_3095_82743_L_0
  33 D   13.61       2.4187E-03  6.000       68.07       121.9       68.07            V-C    6617.       -6.400      0.000       1.000       1.000
68.07       0.000       0.000     Strato2_3095_82743_L_0
  34 D   13.84       2.2711E-03  10.00       69.20       125.9       69.20            V-C    6617.       -6.600      0.000       1.000       1.000
69.20       0.000       0.000     Strato2_3095_82743_L_0
  35 D   14.04       2.1282E-03  14.00       70.21       129.9       70.21            V-C    6617.       -6.800      0.000       1.000       1.000
70.21       0.000       0.000     Strato2_3095_82743_L_0
  36 D   14.24       1.9904E-03  18.00       71.18       133.9       71.18            V-C    6617.       -7.000      0.000       1.000       1.000
71.18       0.000       0.000     Strato2_3095_82743_L_0
  37 D   14.25       1.8582E-03  22.00       71.24       137.9       72.64          UL-RL    1.9852E+04  -7.200      0.000       1.000       1.000
71.24       0.000       0.000     Strato2_3095_82743_L_0
  38 D   14.12       1.7317E-03  26.00       70.61       141.9       74.49          UL-RL    1.9852E+04  -7.400      0.000       1.000       1.000
70.61       0.000       0.000     Strato2_3095_82743_L_0
  39 D   14.02       1.6113E-03  30.00       70.11       145.9       76.35          UL-RL    1.9852E+04  -7.600      0.000       1.000       1.000
70.11       0.000       0.000     Strato2_3095_82743_L_0
  40 D   13.95       1.4968E-03  34.00       69.74       149.9       78.23          UL-RL    1.9852E+04  -7.800      0.000       1.000       1.000
69.74       0.000       0.000     Strato2_3095_82743_L_0
  41 D   13.90       1.3884E-03  38.00       69.52       153.9       80.12          UL-RL    1.9852E+04  -8.000      0.000       1.000       1.000
69.52       0.000       0.000     Strato2_3095_82743_L_0
  42 D   13.89       1.2860E-03  42.00       69.45       157.9       82.02          UL-RL    1.9852E+04  -8.200      0.000       1.000       1.000
69.45       0.000       0.000     Strato2_3095_82743_L_0
  43 D   13.91       1.1893E-03  46.00       69.53       161.9       83.94          UL-RL    1.9852E+04  -8.400      0.000       1.000       1.000
69.53       0.000       0.000     Strato2_3095_82743_L_0
  44 D   13.95       1.0982E-03  50.00       69.76       165.9       85.87          UL-RL    1.9852E+04  -8.600      0.000       1.000       1.000
69.76       0.000       0.000     Strato2_3095_82743_L_0
  45 D   14.03       1.0124E-03  54.00       70.13       169.9       87.81          UL-RL    1.9852E+04  -8.800      0.000       1.000       1.000
70.13       0.000       0.000     Strato2_3095_82743_L_0
  46 D   14.12       9.3145E-04  58.00       70.62       173.9       89.76          UL-RL    1.9852E+04  -9.000      0.000       1.000       1.000
70.62       0.000       0.000     Strato2_3095_82743_L_0
  47 D   14.25       8.5506E-04  62.00       71.23       177.9       91.71          UL-RL    1.9852E+04  -9.200      0.000       1.000       1.000
71.23       0.000       0.000     Strato2_3095_82743_L_0
  48 D   14.39       7.8283E-04  66.00       71.94       181.9       93.68          UL-RL    1.9852E+04  -9.400      0.000       1.000       1.000
71.94       0.000       0.000     Strato2_3095_82743_L_0
  49 D   14.55       7.1432E-04  70.00       72.75       185.9       95.65          UL-RL    1.9852E+04  -9.600      0.000       1.000       1.000
72.75       0.000       0.000     Strato2_3095_82743_L_0
  50 D   14.73       6.4914E-04  74.00       73.64       189.9       97.63          UL-RL    1.9852E+04  -9.800      0.000       1.000       1.000
73.64       0.000       0.000     Strato2_3095_82743_L_0
  51 D   14.92       5.8685E-04  78.00       74.59       193.9       99.61          UL-RL    1.9852E+04  -10.00      0.000       1.000       1.000
74.59       0.000       0.000     Strato2_3095_82743_L_0
  52 D   15.12       5.2704E-04  82.00       75.61       197.9       101.6          UL-RL    1.9852E+04  -10.20      0.000       1.000       1.000
75.61       0.000       0.000     Strato2_3095_82743_L_0
  53 D   15.33       4.6932E-04  86.00       76.67       201.9       103.6          UL-RL    1.9852E+04  -10.40      0.000       1.000       1.000
76.67       0.000       0.000     Strato2_3095_82743_L_0
  54 D   15.55       4.1330E-04  90.00       77.77       205.9       105.6          UL-RL    1.9852E+04  -10.60      0.000       1.000       1.000
77.77       0.000       0.000     Strato2_3095_82743_L_0
  55 D   15.78       3.5863E-04  94.00       78.89       209.9       107.6          UL-RL    1.9852E+04  -10.80      0.000       1.000       1.000
78.89       0.000       0.000     Strato2_3095_82743_L_0
  56 D   16.00       3.0499E-04  98.00       80.02       213.9       109.6          UL-RL    1.9852E+04  -11.00      0.000       1.000       1.000
80.02       0.000       0.000     Strato2_3095_82743_L_0
  57 D   16.23       2.5207E-04  102.0       81.16       217.9       111.6          UL-RL    1.9852E+04  -11.20      0.000       1.000       1.000
81.16       0.000       0.000     Strato2_3095_82743_L_0
  58 D   16.46       1.9965E-04  106.0       82.31       221.9       113.6          UL-RL    1.9852E+04  -11.40      0.000       1.000       1.000
82.31       0.000       0.000     Strato2_3095_82743_L_0
  59 D   16.69       1.4751E-04  110.0       83.46       225.9       115.6          UL-RL    1.9852E+04  -11.60      0.000       1.000       1.000
83.46       0.000       0.000     Strato2_3095_82743_L_0
  60 D   16.92       9.5510E-05  114.0       84.61       229.9       117.6          UL-RL    1.9852E+04  -11.80      0.000       1.000       1.000
84.61       0.000       0.000     Strato2_3095_82743_L_0
  61 D   8.575       4.3550E-05  118.0       85.75       233.9       119.6          UL-RL    1.9852E+04  -12.00      0.000       1.000       1.000
85.75       0.000       0.000     Strato2_3095_82743_L_0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                       NewProject.BaseDesignSection_28.A1M1R1_3484                                       |
|                                  Exe Time :29 July 2019      18:02:26                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  1.6215     -1.6215    -2.36566E-11 0.32431
    2  3.9229     -3.9229    -0.32431      1.1089
    3  6.1005     -6.1005     -1.1089      2.3290
    4  9.0092     -9.0092     -2.3290      4.1308
    5  11.904     -11.904     -4.1308      6.5116
    6  15.310     -15.310     -6.5116      9.5736
    7  18.767     -18.767     -9.5736      13.327
    8  22.650     -22.650     -13.327      17.857
    9  26.577     -26.577     -17.857      23.172
   10  30.888     -30.888     -23.172      29.350
   11  35.319     -35.319     -29.350      36.414
   12  40.105     -40.105     -36.414      44.435
   13 -51.060      51.060     -44.435      34.223
   14 -45.803      45.803     -34.223      25.062
   15 -40.398      40.398     -25.062      16.983
   16 -34.699      34.699     -16.983      10.043
   17 -28.840      28.840     -10.043      4.2748
   18 -22.671      22.671     -4.2748    -0.25932
   19 -16.335      16.335     0.25932     -3.5262
   20 -9.6968      9.6968      3.5262     -5.4656
   21 -2.8866      2.8866      5.4656     -6.0429
   22  4.2183     -4.2183      6.0429     -5.1993
   23  11.501     -11.501      5.1993     -2.8992
   24  19.055     -19.055      2.8992     0.91176
   25  26.791     -26.791    -0.91176      6.2699
   26  34.812     -34.812     -6.2699      13.232
   27  43.019     -43.019     -13.232      21.836
   28  51.506     -51.506     -21.836      32.137
   29  60.182     -60.182     -32.137      44.174
   30  69.135     -69.135     -44.174      58.001
   31  78.266     -78.266     -58.001      73.654
   32  68.724     -68.724     -73.654      87.398
   33  58.666     -58.666     -87.398      99.132
   34  48.601     -48.601     -99.132      108.85
   35  38.497     -38.497     -108.85      116.55
   36  28.415     -28.415     -116.55      122.23
   37  18.484     -18.484     -122.23      125.93
   38  8.8932     -8.8932     -125.93      127.71
   39-0.44034     0.44034     -127.71      127.62
   40 -9.4856      9.4856     -127.62      125.72
   41 -18.098      18.098     -125.72      122.10
   42 -25.241      25.241     -122.10      117.06
   43 -31.128      31.128     -117.06      110.83
   44 -35.768      35.768     -110.83      103.68
   45 -39.355      39.355     -103.68      95.807
   46 -41.901      41.901     -95.807      87.426
   47 -43.565      43.565     -87.426      78.713
   48 -44.332      44.332     -78.713      69.847
   49 -44.355      44.355     -69.847      60.976
   50 -43.604      43.604     -60.976      52.255
   51 -42.213      42.213     -52.255      43.813
   52 -40.140      40.140     -43.813      35.785
   53 -37.500      37.500     -35.785      28.285
   54 -34.253      34.253     -28.285      21.434
   55 -30.484      30.484     -21.434      15.338
   56 -26.130      26.130     -15.338      10.112
   57 -21.277      21.277     -10.112      5.8563
   58 -15.858      15.858     -5.8563      2.6847
   59 -9.9475      9.9475     -2.6847     0.69525
   60 -3.4761      3.4761    -0.69525     6.74624E-13
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                   Exe Time :29 July 2019      18:02:26                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   99.477     -6.33291E-04  1.46933E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A1M1R1_3484                                              |
|                                   Exe Time :29 July 2019      18:02:26                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        5
        3           CONVERGENCE :YES                        5
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        6



 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.06 [sec]
DATABASE  CREATION CPU TIME.....    0.21 [sec]
```

4.7. Design Assumption : A2+M2+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
 * Time:lunedì 29 luglio 2019 18:02:27
 * 1: Defining general settings
 UNIT  m kN
 TITLE New Project
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -12 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -12 0 1 0
 SOIL 0_R LeftWall_32 -12 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_2_8_L_0)
 *
 LDATA Strato1_2_8_L_0 0 LeftWall_32
 ATREST 0.53 1 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-06
 RESISTANCE 0 29
 YOUNG 2E+04 6E+04
 ENDL
 *
```

```
* Soil Profile (Strato2_3095_82743_L_0)
*
LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 20 10 10
PERMEABILITY 0.0001
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 108 Name=Fe360 E=206000200 kPa
MATERIAL Fe360_108 2.06E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 124 Name=acciaio armonico E=200100000 kPa
MATERIAL acciaioarmonico_124 2.001E+08
* Concrete material: 103 Name=C20/25 E=29962000 kPa
MATERIAL C2025_103 2.996E+07

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0


* 6.2: Supports
WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0




* 6.3: Strips
STRIP LeftWall_32 2 5 0 40 0 13 30
STRIP LeftWall_32 2 5 0 40 0 41.8 45

* 7: Defining Steps
STEP Stage1_31
CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ADD WallElement_33
ENDSTEP

STEP Stage2_755438
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage3_158
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -2.9
WATER -26 0 -12 0 0
ENDSTEP

STEP Stage4_617
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
```

```
GEOM 0 -2.9
WATER -26 0 -12 0 0
ADD Tirante1_429
ENDSTEP

STEP Stage5_714
CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -6.1
WATER -26 0 -12 0 0
ENDSTEP
```

4.8. Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

```
+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
+-----------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A2M2R1_3514
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >


                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]



+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
```

```
INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    5
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   89
NO. OF LONG NAMES (LASTNAME) ..................   21
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:02:27                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     89

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Strato1_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.53 1 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-06
   13 : RESISTANCE 0 29
   14 : YOUNG 2E+04 6E+04
   15 : ENDL
   16 : LDATA Strato2_3095_82743_L_0 -6.1 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 20 10 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL Fe360_108 2.06E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL acciaioarmonico_124 2.001E+08
   26 : MATERIAL C2025_103 2.996E+07
   27 : BEAM WallElement_33 LeftWall_32 -12 0 C2530_104 0.6848 00 00 0
   28 : WIRE Tirante1_429 LeftWall_32 -2.4 acciaioarmonico_124 1.316E-05 93.94 15 0 0
   29 : STRIP LeftWall_32 2 5 0 40 0 13 30
   30 : STRIP LeftWall_32 2 5 0 40 0 41.8 45
   31 : STEP Stage1_31
   32 : CHANGE Strato1_2_8_L_0 U-FRICT=23.91 LeftWall_32
   33 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
```

```
   34 : CHANGE Strato1_2_8_L_0 U-KA=0.375 LeftWall_32
   35 : CHANGE Strato1_2_8_L_0 U-KP=3.038 LeftWall_32
   36 : CHANGE Strato1_2_8_L_0 D-KA=0.375 LeftWall_32
   37 : CHANGE Strato1_2_8_L_0 D-KP=3.038 LeftWall_32
   38 : CHANGE Strato2_3095_82743_L_0 U-FRICT=29.26 LeftWall_32
   39 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   40 : CHANGE Strato2_3095_82743_L_0 U-KA=0.3 LeftWall_32
   41 : CHANGE Strato2_3095_82743_L_0 U-KP=4.102 LeftWall_32
   42 : CHANGE Strato2_3095_82743_L_0 D-KA=0.3 LeftWall_32
   43 : CHANGE Strato2_3095_82743_L_0 D-KP=4.102 LeftWall_32
   44 : CHANGE Strato1_2_8_L_0 U-COHE=0 LeftWall_32
   45 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   46 : CHANGE Strato2_3095_82743_L_0 U-COHE=16 LeftWall_32
   47 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   48 : SETWALL LeftWall_32
   49 : GEOM 0 0
   50 : WATER -26 0 -12 0 0
   51 : ADD WallElement_33
   52 : ENDSTEP
   53 : STEP Stage2_755438
   54 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   55 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   56 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   57 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   58 : SETWALL LeftWall_32
   59 : GEOM 0 0
   60 : WATER -26 0 -12 0 0
   61 : ENDSTEP
   62 : STEP Stage3_158
   63 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   64 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   65 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   66 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   67 : SETWALL LeftWall_32
   68 : GEOM 0 -2.9
   69 : WATER -26 0 -12 0 0
   70 : ENDSTEP
   71 : STEP Stage4_617
   72 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   73 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   74 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   75 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   76 : SETWALL LeftWall_32
   77 : GEOM 0 -2.9
   78 : WATER -26 0 -12 0 0
   79 : ADD Tirante1_429
   80 : ENDSTEP
   81 : STEP Stage5_714
   82 : CHANGE Strato1_2_8_L_0 D-FRICT=23.91 LeftWall_32
   83 : CHANGE Strato2_3095_82743_L_0 D-FRICT=29.26 LeftWall_32
   84 : CHANGE Strato1_2_8_L_0 D-COHE=0 LeftWall_32
   85 : CHANGE Strato2_3095_82743_L_0 D-COHE=16 LeftWall_32
   86 : SETWALL LeftWall_32
   87 : GEOM 0 -6.1
   88 : WATER -26 0 -12 0 0
   89 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:02:27                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
  53  0.0000     -10.400     /   54  0.0000     -10.600     /   55  0.0000     -10.800     /   56  0.0000     -11.000     /
```

```
  57  0.0000     -11.200     /   58  0.0000     -11.400     /   59  0.0000     -11.600     /   60  0.0000     -11.800     /
  61  0.0000     -12.000     /



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000      0.000     0.000     0.000     1.000
    2    2    1   0.2000      0.000     0.000     0.000     1.000
    3    3    1   0.2000      0.000     0.000     0.000     1.000
    4    4    1   0.2000      0.000     0.000     0.000     1.000
    5    5    1   0.2000      0.000     0.000     0.000     1.000
    6    6    1   0.2000      0.000     0.000     0.000     1.000
    7    7    1   0.2000      0.000     0.000     0.000     1.000
    8    8    1   0.2000      0.000     0.000     0.000     1.000
    9    9    1   0.2000      0.000     0.000     0.000     1.000
   10   10    1   0.2000      0.000     0.000     0.000     1.000
   11   11    1   0.2000      0.000     0.000     0.000     1.000
   12   12    1   0.2000      0.000     0.000     0.000     1.000
   13   13    1   0.2000      0.000     0.000     0.000     1.000
   14   14    1   0.2000      0.000     0.000     0.000     1.000
   15   15    1   0.2000      0.000     0.000     0.000     1.000
   16   16    1   0.2000      0.000     0.000     0.000     1.000
   17   17    1   0.2000      0.000     0.000     0.000     1.000
   18   18    1   0.2000      0.000     0.000     0.000     1.000
   19   19    1   0.2000      0.000     0.000     0.000     1.000
   20   20    1   0.2000      0.000     0.000     0.000     1.000
   21   21    1   0.2000      0.000     0.000     0.000     1.000
   22   22    1   0.2000      0.000     0.000     0.000     1.000
   23   23    1   0.2000      0.000     0.000     0.000     1.000
   24   24    1   0.2000      0.000     0.000     0.000     1.000
   25   25    1   0.2000      0.000     0.000     0.000     1.000
   26   26    1   0.2000      0.000     0.000     0.000     1.000
   27   27    1   0.2000      0.000     0.000     0.000     1.000
   28   28    1   0.2000      0.000     0.000     0.000     1.000
   29   29    1   0.2000      0.000     0.000     0.000     1.000
   30   30    1   0.2000      0.000     0.000     0.000     1.000
   31   31    1   0.2000      0.000     0.000     0.000     1.000
   32   32    2   0.2000      0.000     0.000     0.000     1.000
   33   33    2   0.2000      0.000     0.000     0.000     1.000
   34   34    2   0.2000      0.000     0.000     0.000     1.000
   35   35    2   0.2000      0.000     0.000     0.000     1.000
   36   36    2   0.2000      0.000     0.000     0.000     1.000
   37   37    2   0.2000      0.000     0.000     0.000     1.000
   38   38    2   0.2000      0.000     0.000     0.000     1.000
```

39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.2000	0.000	0.000	0.000	1.000
53	53	2	0.2000	0.000	0.000	0.000	1.000
54	54	2	0.2000	0.000	0.000	0.000	1.000
55	55	2	0.2000	0.000	0.000	0.000	1.000
56	56	2	0.2000	0.000	0.000	0.000	1.000
57	57	2	0.2000	0.000	0.000	0.000	1.000
58	58	2	0.2000	0.000	0.000	0.000	1.000
59	59	2	0.2000	0.000	0.000	0.000	1.000
60	60	2	0.2000	0.000	0.000	0.000	1.000
61	61	2	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                            :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------
```

1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000

18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.2000	0.000	0.000	0.000	2.000
53	53	2	0.2000	0.000	0.000	0.000	2.000
54	54	2	0.2000	0.000	0.000	0.000	2.000
55	55	2	0.2000	0.000	0.000	0.000	2.000
56	56	2	0.2000	0.000	0.000	0.000	2.000
57	57	2	0.2000	0.000	0.000	0.000	2.000
58	58	2	0.2000	0.000	0.000	0.000	2.000
59	59	2	0.2000	0.000	0.000	0.000	2.000
60	60	2	0.2000	0.000	0.000	0.000	2.000
61	61	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active
    4   active
    5   active

 material set no.    1

 prop( 1) young modulus      0.314800E+08
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.252200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
```

```
    3   1.000
    4   1.000
    5   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1     0.000     0.000    0.6848     0.000     0.000
    2    2    3    1     0.000     0.000    0.6848     0.000     0.000
    3    3    4    1     0.000     0.000    0.6848     0.000     0.000
    4    4    5    1     0.000     0.000    0.6848     0.000     0.000
    5    5    6    1     0.000     0.000    0.6848     0.000     0.000
    6    6    7    1     0.000     0.000    0.6848     0.000     0.000
    7    7    8    1     0.000     0.000    0.6848     0.000     0.000
    8    8    9    1     0.000     0.000    0.6848     0.000     0.000
    9    9   10    1     0.000     0.000    0.6848     0.000     0.000
   10   10   11    1     0.000     0.000    0.6848     0.000     0.000
   11   11   12    1     0.000     0.000    0.6848     0.000     0.000
   12   12   13    1     0.000     0.000    0.6848     0.000     0.000
   13   13   14    1     0.000     0.000    0.6848     0.000     0.000
   14   14   15    1     0.000     0.000    0.6848     0.000     0.000
   15   15   16    1     0.000     0.000    0.6848     0.000     0.000
   16   16   17    1     0.000     0.000    0.6848     0.000     0.000
   17   17   18    1     0.000     0.000    0.6848     0.000     0.000
   18   18   19    1     0.000     0.000    0.6848     0.000     0.000
   19   19   20    1     0.000     0.000    0.6848     0.000     0.000
   20   20   21    1     0.000     0.000    0.6848     0.000     0.000
   21   21   22    1     0.000     0.000    0.6848     0.000     0.000
   22   22   23    1     0.000     0.000    0.6848     0.000     0.000
   23   23   24    1     0.000     0.000    0.6848     0.000     0.000
   24   24   25    1     0.000     0.000    0.6848     0.000     0.000
   25   25   26    1     0.000     0.000    0.6848     0.000     0.000
   26   26   27    1     0.000     0.000    0.6848     0.000     0.000
   27   27   28    1     0.000     0.000    0.6848     0.000     0.000
   28   28   29    1     0.000     0.000    0.6848     0.000     0.000
   29   29   30    1     0.000     0.000    0.6848     0.000     0.000
   30   30   31    1     0.000     0.000    0.6848     0.000     0.000
   31   31   32    1     0.000     0.000    0.6848     0.000     0.000
   32   32   33    1     0.000     0.000    0.6848     0.000     0.000
   33   33   34    1     0.000     0.000    0.6848     0.000     0.000
   34   34   35    1     0.000     0.000    0.6848     0.000     0.000
   35   35   36    1     0.000     0.000    0.6848     0.000     0.000
   36   36   37    1     0.000     0.000    0.6848     0.000     0.000
   37   37   38    1     0.000     0.000    0.6848     0.000     0.000
   38   38   39    1     0.000     0.000    0.6848     0.000     0.000
   39   39   40    1     0.000     0.000    0.6848     0.000     0.000
   40   40   41    1     0.000     0.000    0.6848     0.000     0.000
   41   41   42    1     0.000     0.000    0.6848     0.000     0.000
   42   42   43    1     0.000     0.000    0.6848     0.000     0.000
   43   43   44    1     0.000     0.000    0.6848     0.000     0.000
   44   44   45    1     0.000     0.000    0.6848     0.000     0.000
   45   45   46    1     0.000     0.000    0.6848     0.000     0.000
   46   46   47    1     0.000     0.000    0.6848     0.000     0.000
   47   47   48    1     0.000     0.000    0.6848     0.000     0.000
   48   48   49    1     0.000     0.000    0.6848     0.000     0.000
   49   49   50    1     0.000     0.000    0.6848     0.000     0.000
   50   50   51    1     0.000     0.000    0.6848     0.000     0.000
   51   51   52    1     0.000     0.000    0.6848     0.000     0.000
   52   52   53    1     0.000     0.000    0.6848     0.000     0.000
   53   53   54    1     0.000     0.000    0.6848     0.000     0.000
   54   54   55    1     0.000     0.000    0.6848     0.000     0.000
   55   55   56    1     0.000     0.000    0.6848     0.000     0.000
   56   56   57    1     0.000     0.000    0.6848     0.000     0.000
   57   57   58    1     0.000     0.000    0.6848     0.000     0.000
   58   58   59    1     0.000     0.000    0.6848     0.000     0.000
   59   59   60    1     0.000     0.000    0.6848     0.000     0.000
   60   60   61    1     0.000     0.000    0.6848     0.000     0.000



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                 Exe Time :29 July 2019      18:02:27                                              |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tirante1_429                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
```

.....

element group behaviour throughout stage analysis

stage	status
1	inactive
2	inactive
3	inactive
4	active
5	active

material set no. 1

prop(1) angle 15.0000
prop(2) young modulus 0.200100E+09
prop(3) modification time 0.00000
prop(4) new young modulus 0.00000

no. of step variable items: 2

step	-ve lim	+ve lim
1	0.000	0.000
2	0.000	0.000
3	0.000	0.000
4	0.000	0.000
5	0.000	0.000

element data

el	n	mat	a/l	pinit	yieldc	yieldt
1	13	1	0.1316E-04	93.94	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
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NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   10
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                         |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION
```

```
       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       6.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    7
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    8
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    9
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       6.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   10
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       6.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
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L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000
```

```
STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                    LOAD INPUT SECTION COMPLETED



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
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NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                       |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
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LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
```

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ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
```

```
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    4

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  14.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.37500     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.0380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.53000     (BOTH WALLS)
ITEM NO.  13<NEXP    >=  1.0000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  20000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  60000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-05 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.37500     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.0380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-05 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    5

ITEM NO.   1<NAME    >=  15.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -6.1000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  20.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.30000     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.1020     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  13<NEXP    >= 0.50000      (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000      (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000      (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.      (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000      (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000      (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000      WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000      WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260      WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000      WALL NO.        2
ITEM NO.  60<D-KA    >= 0.30000      WALL NO.        1
ITEM NO.  61<D-KP    >=  4.1020      WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    10 VALUES
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                        NewProject.BaseDesignSection_28.A2M2R1_3514                                            |
|                                   Exe Time :29 July 2019      18:02:27                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                   0.000         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                     -0.9990E+30   -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

================================================================================================================end of step    1


STEP  NO.     2
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                   0.000         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                     -0.9990E+30   -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.900	0.000
Z-WATER_TABLE	-26.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 4

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.100	0.000

```
Z-WATER_TABLE                          -26.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL               0.000         0.000
ZQ                                      0.000         0.000
DZW_OF_THE_WATER_TABLE                  0.000         0.000
QS_ON_THE_EXCAVATION_SIDE               0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                    0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES       -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)       0.000         0.000
PORE_UPDATE_FLAG                        0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)        0.000         0.000
lateral thrusts reduction elevatio      0.000         0.000
Downhill reduction factor for effe      0.000         0.000
Downhill reduction factor for pore      0.000         0.000
Uphill reduction factor for effect      0.000         0.000
Uphill reduction factor for pore p      0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]        0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]       0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]       0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]         0.000         0.000
UPHILL DELTA/PHI RATIO                  0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]       0.000         0.000
DOWNHILL DELTA/PHI RATIO                0.000         0.000
DYN.WATER BEHAVIOUR                     0.000         0.000
Excess pore pressure RATIO Ru           0.000         0.000
SEISMIC PRESSURE LOWER VALUE            0.000         0.000
SEISMIC PRESSURE UPPER VALUE            0.000         0.000
SEISMIC PRESSURE LOWER LEVEL            0.000         0.000
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

================================================================================================================end of step    5


 LEFT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000



+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                    |
|                                Exe Time :29 July 2019      18:02:27                                               |
+-------------------------------------------------------------------------------------------------------------------+
 I N I T I A L   S T R E S S   T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             2


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          13.0000000000000
 BETA ....                          30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    2
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   5.0000

TYPE BOUSSINESQ
```

```
 HORIZONTAL DISTANCE (DY)          0.0000000000000000E+000
 FOUNDATION WIDTH    (B)            40.0000000000000
 ZETA-F.....                       0.0000000000000000E+000
 Q-F .....                          41.8000000000000
 BETA .....                         45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.0000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3530

 NO. OF D.P.W  FOR THIS AREA       7258
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2153E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 22.99     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2153E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   122 NODE     61 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
```

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T T I M E I S 1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.9215E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2 D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.9215E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3 D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.9215E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0
4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.9215E+04	-0.6000	0.000	1.000	1.000	6.042	0.000	0.000	Strato1_2_8_L_0
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.9215E+04	-0.8000	0.000	1.000	1.000	8.056	0.000	0.000	Strato1_2_8_L_0
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.9215E+04	-1.000	0.000	1.000	1.000	10.07	0.000	0.000	Strato1_2_8_L_0
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.9215E+04	-1.200	0.000	1.000	1.000	12.08	0.000	0.000	Strato1_2_8_L_0
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.9215E+04	-1.400	0.000	1.000	1.000	14.10	0.000	0.000	Strato1_2_8_L_0
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.9215E+04	-1.600	0.000	1.000	1.000	16.11	0.000	0.000	Strato1_2_8_L_0
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.9215E+04	-1.800	0.000	1.000	1.000	18.13	0.000	0.000	Strato1_2_8_L_0
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.9215E+04	-2.000	0.000	1.000	1.000	20.14	0.000	0.000	Strato1_2_8_L_0
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.9215E+04	-2.200	0.000	1.000	1.000	22.15	0.000	0.000	Strato1_2_8_L_0
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.9215E+04	-2.400	0.000	1.000	1.000	24.17	0.000	0.000	Strato1_2_8_L_0
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.9215E+04	-2.600	0.000	1.000	1.000	26.18	0.000	0.000	Strato1_2_8_L_0
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.9215E+04	-2.800	0.000	1.000	1.000	28.20	0.000	0.000	Strato1_2_8_L_0
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.9215E+04	-3.000	0.000	1.000	1.000	30.21	0.000	0.000	Strato1_2_8_L_0
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.9215E+04	-3.200	0.000	1.000	1.000	32.22	0.000	0.000	Strato1_2_8_L_0
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.9215E+04	-3.400	0.000	1.000	1.000	34.24	0.000	0.000	Strato1_2_8_L_0
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.9215E+04	-3.600	0.000	1.000	1.000	36.25	0.000	0.000	Strato1_2_8_L_0
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.9215E+04	-3.800	0.000	1.000	1.000	38.27	0.000	0.000	Strato1_2_8_L_0
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.9215E+04	-4.000	0.000	1.000	1.000	40.28	0.000	0.000	Strato1_2_8_L_0
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.9215E+04	-4.200	0.000	1.000	1.000	42.29	0.000	0.000	Strato1_2_8_L_0
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.9215E+04	-4.400	0.000	1.000	1.000	44.31	0.000	0.000	Strato1_2_8_L_0
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.9215E+04	-4.600	0.000	1.000	1.000	46.32	0.000	0.000	Strato1_2_8_L_0
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.9215E+04	-4.800	0.000	1.000	1.000	48.34	0.000	0.000	Strato1_2_8_L_0
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.9215E+04	-5.000	0.000	1.000	1.000	50.35	0.000	0.000	Strato1_2_8_L_0
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.9215E+04	-5.200	0.000	1.000	1.000	52.36	0.000	0.000	Strato1_2_8_L_0
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.9215E+04	-5.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.9215E+04	-5.600	0.000	1.000	1.000	56.39	0.000	0.000	Strato1_2_8_L_0
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.9215E+04	-5.800	0.000	1.000	1.000	58.41	0.000	0.000	Strato1_2_8_L_0
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.9215E+04	-6.000	0.000	1.000	1.000	60.42	0.000	0.000	Strato1_2_8_L_0
32 D	11.79	0.000	117.9	58.95	117.9	58.95	V-C	5.3328E+04	-6.200	0.000	1.000	1.000	58.95	0.000	0.000	Strato2_3095_82743_L_0
33 D	12.19	0.000	121.9	60.95	121.9	60.95	V-C	5.3328E+04	-6.400	0.000	1.000	1.000	60.95	0.000	0.000	Strato2_3095_82743_L_0
34 D	12.59	0.000	125.9	62.95	125.9	62.95	V-C	5.3328E+04	-6.600	0.000	1.000	1.000	62.95	0.000	0.000	Strato2_3095_82743_L_0
35 D	12.99	0.000	129.9	64.95	129.9	64.95	V-C	5.3328E+04	-6.800	0.000	1.000	1.000	64.95	0.000	0.000	Strato2_3095_82743_L_0

36	D	13.39	0.000	133.9	66.95	133.9	66.95	V-C	5.3328E+04	-7.000	0.000	1.000	1.000	66.95	0.000	0.000	Strato2_3095_82743_L_0
37	D	13.79	0.000	137.9	68.95	137.9	68.95	V-C	5.3328E+04	-7.200	0.000	1.000	1.000	68.95	0.000	0.000	Strato2_3095_82743_L_0
38	D	14.19	0.000	141.9	70.95	141.9	70.95	V-C	5.3328E+04	-7.400	0.000	1.000	1.000	70.95	0.000	0.000	Strato2_3095_82743_L_0
39	D	14.59	0.000	145.9	72.95	145.9	72.95	V-C	5.3328E+04	-7.600	0.000	1.000	1.000	72.95	0.000	0.000	Strato2_3095_82743_L_0
40	D	14.99	0.000	149.9	74.95	149.9	74.95	V-C	5.3328E+04	-7.800	0.000	1.000	1.000	74.95	0.000	0.000	Strato2_3095_82743_L_0
41	D	15.39	0.000	153.9	76.95	153.9	76.95	V-C	5.3328E+04	-8.000	0.000	1.000	1.000	76.95	0.000	0.000	Strato2_3095_82743_L_0
42	D	15.79	0.000	157.9	78.95	157.9	78.95	V-C	5.3328E+04	-8.200	0.000	1.000	1.000	78.95	0.000	0.000	Strato2_3095_82743_L_0
43	D	16.19	0.000	161.9	80.95	161.9	80.95	V-C	5.3328E+04	-8.400	0.000	1.000	1.000	80.95	0.000	0.000	Strato2_3095_82743_L_0
44	D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	5.3328E+04	-8.600	0.000	1.000	1.000	82.95	0.000	0.000	Strato2_3095_82743_L_0
45	D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	5.3328E+04	-8.800	0.000	1.000	1.000	84.95	0.000	0.000	Strato2_3095_82743_L_0
46	D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	5.3328E+04	-9.000	0.000	1.000	1.000	86.95	0.000	0.000	Strato2_3095_82743_L_0
47	D	17.79	0.000	177.9	88.95	177.9	88.95	V-C	5.3328E+04	-9.200	0.000	1.000	1.000	88.95	0.000	0.000	Strato2_3095_82743_L_0
48	D	18.19	0.000	181.9	90.95	181.9	90.95	V-C	5.3328E+04	-9.400	0.000	1.000	1.000	90.95	0.000	0.000	Strato2_3095_82743_L_0
49	D	18.59	0.000	185.9	92.95	185.9	92.95	V-C	5.3328E+04	-9.600	0.000	1.000	1.000	92.95	0.000	0.000	Strato2_3095_82743_L_0
50	D	18.99	0.000	189.9	94.95	189.9	94.95	V-C	5.3328E+04	-9.800	0.000	1.000	1.000	94.95	0.000	0.000	Strato2_3095_82743_L_0
51	D	19.39	0.000	193.9	96.95	193.9	96.95	V-C	5.3328E+04	-10.00	0.000	1.000	1.000	96.95	0.000	0.000	Strato2_3095_82743_L_0
52	D	19.79	0.000	197.9	98.95	197.9	98.95	V-C	5.3328E+04	-10.20	0.000	1.000	1.000	98.95	0.000	0.000	Strato2_3095_82743_L_0
53	D	20.19	0.000	201.9	100.9	201.9	100.9	V-C	5.3328E+04	-10.40	0.000	1.000	1.000	100.9	0.000	0.000	Strato2_3095_82743_L_0
54	D	20.59	0.000	205.9	102.9	205.9	102.9	V-C	5.3328E+04	-10.60	0.000	1.000	1.000	102.9	0.000	0.000	Strato2_3095_82743_L_0
55	D	20.99	0.000	209.9	104.9	209.9	104.9	V-C	5.3328E+04	-10.80	0.000	1.000	1.000	104.9	0.000	0.000	Strato2_3095_82743_L_0
56	D	21.39	0.000	213.9	106.9	213.9	106.9	V-C	5.3328E+04	-11.00	0.000	1.000	1.000	106.9	0.000	0.000	Strato2_3095_82743_L_0
57	D	21.79	0.000	217.9	108.9	217.9	108.9	V-C	5.3328E+04	-11.20	0.000	1.000	1.000	108.9	0.000	0.000	Strato2_3095_82743_L_0
58	D	22.19	0.000	221.9	110.9	221.9	110.9	V-C	5.3328E+04	-11.40	0.000	1.000	1.000	110.9	0.000	0.000	Strato2_3095_82743_L_0
59	D	22.59	0.000	225.9	112.9	225.9	112.9	V-C	5.3328E+04	-11.60	0.000	1.000	1.000	112.9	0.000	0.000	Strato2_3095_82743_L_0
60	D	22.99	0.000	229.9	114.9	229.9	114.9	V-C	5.3328E+04	-11.80	0.000	1.000	1.000	114.9	0.000	0.000	Strato2_3095_82743_L_0
61	D	11.70	0.000	233.9	116.9	233.9	116.9	V-C	5.3328E+04	-12.00	0.000	1.000	1.000	117.0	0.000	0.000	Strato2_3095_82743_L_0

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_3514                                               |
 |                                  Exe Time :29 July 2019      18:02:27                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *		FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	1.6263E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_2_8_L_0
2	D	0.4028	0.000	3.800	2.014	3.800	2.014	V-C	1.6263E+04	-0.2000	0.000	1.000	1.000	2.014	0.000	0.000	Strato1_2_8_L_0
3	D	0.8056	0.000	7.600	4.028	7.600	4.028	V-C	1.6263E+04	-0.4000	0.000	1.000	1.000	4.028	0.000	0.000	Strato1_2_8_L_0

4 D	1.208	0.000	11.40	6.042	11.40	6.042	V-C	1.6263E+04	-0.6000	0.000	1.000	1.000	6.042	0.000
0.000	Strato1_2_8_L_0													
5 D	1.611	0.000	15.20	8.056	15.20	8.056	V-C	1.6263E+04	-0.8000	0.000	1.000	1.000	8.056	0.000
0.000	Strato1_2_8_L_0													
6 D	2.014	0.000	19.00	10.07	19.00	10.07	V-C	1.6263E+04	-1.000	0.000	1.000	1.000	10.07	0.000
0.000	Strato1_2_8_L_0													
7 D	2.417	0.000	22.80	12.08	22.80	12.08	V-C	1.6263E+04	-1.200	0.000	1.000	1.000	12.08	0.000
0.000	Strato1_2_8_L_0													
8 D	2.820	0.000	26.60	14.10	26.60	14.10	V-C	1.6263E+04	-1.400	0.000	1.000	1.000	14.10	0.000
0.000	Strato1_2_8_L_0													
9 D	3.222	0.000	30.40	16.11	30.40	16.11	V-C	1.6263E+04	-1.600	0.000	1.000	1.000	16.11	0.000
0.000	Strato1_2_8_L_0													
10 D	3.625	0.000	34.20	18.13	34.20	18.13	V-C	1.6263E+04	-1.800	0.000	1.000	1.000	18.13	0.000
0.000	Strato1_2_8_L_0													
11 D	4.028	0.000	38.00	20.14	38.00	20.14	V-C	1.6263E+04	-2.000	0.000	1.000	1.000	20.14	0.000
0.000	Strato1_2_8_L_0													
12 D	4.431	0.000	41.80	22.15	41.80	22.15	V-C	1.6263E+04	-2.200	0.000	1.000	1.000	22.15	0.000
0.000	Strato1_2_8_L_0													
13 D	4.834	0.000	45.60	24.17	45.60	24.17	V-C	1.6263E+04	-2.400	0.000	1.000	1.000	24.17	0.000
0.000	Strato1_2_8_L_0													
14 D	5.236	0.000	49.40	26.18	49.40	26.18	V-C	1.6263E+04	-2.600	0.000	1.000	1.000	26.18	0.000
0.000	Strato1_2_8_L_0													
15 D	5.639	0.000	53.20	28.20	53.20	28.20	V-C	1.6263E+04	-2.800	0.000	1.000	1.000	28.20	0.000
0.000	Strato1_2_8_L_0													
16 D	6.042	0.000	57.00	30.21	57.00	30.21	V-C	1.6263E+04	-3.000	0.000	1.000	1.000	30.21	0.000
0.000	Strato1_2_8_L_0													
17 D	6.445	0.000	60.80	32.22	60.80	32.22	V-C	1.6263E+04	-3.200	0.000	1.000	1.000	32.22	0.000
0.000	Strato1_2_8_L_0													
18 D	6.848	0.000	64.60	34.24	64.60	34.24	V-C	1.6263E+04	-3.400	0.000	1.000	1.000	34.24	0.000
0.000	Strato1_2_8_L_0													
19 D	7.250	0.000	68.40	36.25	68.40	36.25	V-C	1.6263E+04	-3.600	0.000	1.000	1.000	36.25	0.000
0.000	Strato1_2_8_L_0													
20 D	7.653	0.000	72.20	38.27	72.20	38.27	V-C	1.6263E+04	-3.800	0.000	1.000	1.000	38.27	0.000
0.000	Strato1_2_8_L_0													
21 D	8.056	0.000	76.00	40.28	76.00	40.28	V-C	1.6263E+04	-4.000	0.000	1.000	1.000	40.28	0.000
0.000	Strato1_2_8_L_0													
22 D	8.459	0.000	79.80	42.29	79.80	42.29	V-C	1.6263E+04	-4.200	0.000	1.000	1.000	42.29	0.000
0.000	Strato1_2_8_L_0													
23 D	8.862	0.000	83.60	44.31	83.60	44.31	V-C	1.6263E+04	-4.400	0.000	1.000	1.000	44.31	0.000
0.000	Strato1_2_8_L_0													
24 D	9.264	0.000	87.40	46.32	87.40	46.32	V-C	1.6263E+04	-4.600	0.000	1.000	1.000	46.32	0.000
0.000	Strato1_2_8_L_0													
25 D	9.667	0.000	91.20	48.34	91.20	48.34	V-C	1.6263E+04	-4.800	0.000	1.000	1.000	48.34	0.000
0.000	Strato1_2_8_L_0													
26 D	10.07	0.000	95.00	50.35	95.00	50.35	V-C	1.6263E+04	-5.000	0.000	1.000	1.000	50.35	0.000
0.000	Strato1_2_8_L_0													
27 D	10.47	0.000	98.80	52.36	98.80	52.36	V-C	1.6263E+04	-5.200	0.000	1.000	1.000	52.36	0.000
0.000	Strato1_2_8_L_0													
28 D	10.88	0.000	102.6	54.38	102.6	54.38	V-C	1.6263E+04	-5.400	0.000	1.000	1.000	54.38	0.000
0.000	Strato1_2_8_L_0													
29 D	11.28	0.000	106.4	56.39	106.4	56.39	V-C	1.6263E+04	-5.600	0.000	1.000	1.000	56.39	0.000
0.000	Strato1_2_8_L_0													
30 D	11.68	0.000	110.2	58.41	110.2	58.41	V-C	1.6263E+04	-5.800	0.000	1.000	1.000	58.41	0.000
0.000	Strato1_2_8_L_0													
31 D	12.08	0.000	114.0	60.42	114.0	60.42	V-C	1.6263E+04	-6.000	0.000	1.000	1.000	60.42	0.000
0.000	Strato1_2_8_L_0													
32 D	11.79	0.000	117.9	58.95	117.9	58.95	V-C	3.6625E+04	-6.200	0.000	1.000	1.000	58.95	0.000
0.000	Strato2_3095_82743_L_0													
33 D	12.19	0.000	121.9	60.95	121.9	60.95	V-C	3.6625E+04	-6.400	0.000	1.000	1.000	60.95	0.000
0.000	Strato2_3095_82743_L_0													
34 D	12.59	0.000	125.9	62.95	125.9	62.95	V-C	3.6625E+04	-6.600	0.000	1.000	1.000	62.95	0.000
0.000	Strato2_3095_82743_L_0													
35 D	12.99	0.000	129.9	64.95	129.9	64.95	V-C	3.6625E+04	-6.800	0.000	1.000	1.000	64.95	0.000
0.000	Strato2_3095_82743_L_0													
36 D	13.39	0.000	133.9	66.95	133.9	66.95	V-C	3.6625E+04	-7.000	0.000	1.000	1.000	66.95	0.000
0.000	Strato2_3095_82743_L_0													
37 D	13.79	0.000	137.9	68.95	137.9	68.95	V-C	3.6625E+04	-7.200	0.000	1.000	1.000	68.95	0.000
0.000	Strato2_3095_82743_L_0													
38 D	14.19	0.000	141.9	70.95	141.9	70.95	V-C	3.6625E+04	-7.400	0.000	1.000	1.000	70.95	0.000
0.000	Strato2_3095_82743_L_0													
39 D	14.59	0.000	145.9	72.95	145.9	72.95	V-C	3.6625E+04	-7.600	0.000	1.000	1.000	72.95	0.000
0.000	Strato2_3095_82743_L_0													
40 D	14.99	0.000	149.9	74.95	149.9	74.95	V-C	3.6625E+04	-7.800	0.000	1.000	1.000	74.95	0.000
0.000	Strato2_3095_82743_L_0													
41 D	15.39	0.000	153.9	76.95	153.9	76.95	V-C	3.6625E+04	-8.000	0.000	1.000	1.000	76.95	0.000
0.000	Strato2_3095_82743_L_0													
42 D	15.79	0.000	157.9	78.95	157.9	78.95	V-C	3.6625E+04	-8.200	0.000	1.000	1.000	78.95	0.000
0.000	Strato2_3095_82743_L_0													
43 D	16.19	0.000	161.9	80.95	161.9	80.95	V-C	3.6625E+04	-8.400	0.000	1.000	1.000	80.95	0.000
0.000	Strato2_3095_82743_L_0													
44 D	16.59	0.000	165.9	82.95	165.9	82.95	V-C	3.6625E+04	-8.600	0.000	1.000	1.000	82.95	0.000
0.000	Strato2_3095_82743_L_0													
45 D	16.99	0.000	169.9	84.95	169.9	84.95	V-C	3.6625E+04	-8.800	0.000	1.000	1.000	84.95	0.000
0.000	Strato2_3095_82743_L_0													
46 D	17.39	0.000	173.9	86.95	173.9	86.95	V-C	3.6625E+04	-9.000	0.000	1.000	1.000		

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86.95       0.000       0.000     Strato2_3095_82743_L_0
  47 D   17.79       0.000       177.9       88.95       177.9       88.95          V-C  3.6625E+04  -9.200       0.000       1.000       1.000
88.95       0.000       0.000     Strato2_3095_82743_L_0
  48 D   18.19       0.000       181.9       90.95       181.9       90.95          V-C  3.6625E+04  -9.400       0.000       1.000       1.000
90.95       0.000       0.000     Strato2_3095_82743_L_0
  49 D   18.59       0.000       185.9       92.95       185.9       92.95          V-C  3.6625E+04  -9.600       0.000       1.000       1.000
92.95       0.000       0.000     Strato2_3095_82743_L_0
  50 D   18.99       0.000       189.9       94.95       189.9       94.95          V-C  3.6625E+04  -9.800       0.000       1.000       1.000
94.95       0.000       0.000     Strato2_3095_82743_L_0
  51 D   19.39       0.000       193.9       96.95       193.9       96.95          V-C  3.6625E+04  -10.00       0.000       1.000       1.000
96.95       0.000       0.000     Strato2_3095_82743_L_0
  52 D   19.79       0.000       197.9       98.95       197.9       98.95          V-C  3.6625E+04  -10.20       0.000       1.000       1.000
98.95       0.000       0.000     Strato2_3095_82743_L_0
  53 D   20.19       0.000       201.9       100.9       201.9       100.9          V-C  3.6625E+04  -10.40       0.000       1.000       1.000
100.9       0.000       0.000     Strato2_3095_82743_L_0
  54 D   20.59       0.000       205.9       102.9       205.9       102.9          V-C  3.6625E+04  -10.60       0.000       1.000       1.000
102.9       0.000       0.000     Strato2_3095_82743_L_0
  55 D   20.99       0.000       209.9       104.9       209.9       104.9          V-C  3.6625E+04  -10.80       0.000       1.000       1.000
104.9       0.000       0.000     Strato2_3095_82743_L_0
  56 D   21.39       0.000       213.9       106.9       213.9       106.9          V-C  3.6625E+04  -11.00       0.000       1.000       1.000
106.9       0.000       0.000     Strato2_3095_82743_L_0
  57 D   21.79       0.000       217.9       108.9       217.9       108.9          V-C  3.6625E+04  -11.20       0.000       1.000       1.000
108.9       0.000       0.000     Strato2_3095_82743_L_0
  58 D   22.19       0.000       221.9       110.9       221.9       110.9          V-C  3.6625E+04  -11.40       0.000       1.000       1.000
110.9       0.000       0.000     Strato2_3095_82743_L_0
  59 D   22.59       0.000       225.9       112.9       225.9       112.9          V-C  3.6625E+04  -11.60       0.000       1.000       1.000
112.9       0.000       0.000     Strato2_3095_82743_L_0
  60 D   22.99       0.000       229.9       114.9       229.9       114.9          V-C  3.6625E+04  -11.80       0.000       1.000       1.000
114.9       0.000       0.000     Strato2_3095_82743_L_0
  61 D   11.70       0.000       233.9       116.9       233.9       116.9          V-C  3.6625E+04  -12.00       0.000       1.000       1.000
117.0       0.000       0.000     Strato2_3095_82743_L_0
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+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                   Exe Time :29 July 2019      18:02:27                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S     1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
```

32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000
52	0.0000	0.0000	0.0000	0.0000
53	0.0000	0.0000	0.0000	0.0000
54	0.0000	0.0000	0.0000	0.0000
55	0.0000	0.0000	0.0000	0.0000
56	0.0000	0.0000	0.0000	0.0000
57	0.0000	0.0000	0.0000	0.0000
58	0.0000	0.0000	0.0000	0.0000
59	0.0000	0.0000	0.0000	0.0000
60	0.0000	0.0000	0.0000	0.0000

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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                  Exe Time :29 July 2019      18:02:27                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2775E+05 RIMNOR= 0.000
           RENORM= 883.0     REMNOR= 0.000     RATIO =0.1784     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.79     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2775E+05 RDR   = 0.000
           RATIOT=0.1784     RATIOR= 0.000
           MAX UN= 4.062     IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     2 NODE      1 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2775E+05 RIMNOR= 0.000
           RENORM= 25.88     REMNOR=0.1049E-20 RATIO =0.3054E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.79     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2775E+05 RDR   = 0.000
           RATIOT=0.3054E-01 RATIOR= 0.000
           MAX UN= 2.209     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.1062E-09 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2775E+05 RIMNOR= 0.000
           RENORM= 3.752     REMNOR=0.6266E-21 RATIO =0.1163E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.79     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2775E+05 RDR   = 0.000
           RATIOT=0.1163E-01 RATIOR= 0.000
           MAX UN= 1.331     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.1133E-09 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2775E+05 RIMNOR= 0.000
           RENORM=0.7257E-02 REMNOR=0.6605E-21 RATIO =0.5114E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 26.79     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2775E+05 RDR   = 0.000
           RATIOT=0.5114E-03 RATIOR= 0.000
           MAX UN=0.6888E-01 IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.1444E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2775E+05 RIMNOR= 0.000
           RENORM=0.9203E-19 REMNOR=0.5776E-21 RATIO =0.1821E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 26.79     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.2775E+05 RDR   = 0.000
           RATIOT=0.1821E-11 RATIOR= 0.000
           MAX UN=0.1106E-09 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.1351E-09 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                  Exe Time :29 July 2019      18:02:27                                                         |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.0718135E-04  -1.0877791E-04
    2   6.8542902E-04  -1.0872912E-04
    3   6.6369714E-04  -1.0856879E-04
    4   6.4200954E-04  -1.0828789E-04
    5   6.2039026E-04  -1.0788271E-04
    6   5.9886535E-04  -1.0734415E-04
    7   5.7746202E-04  -1.0666426E-04
    8   5.5620964E-04  -1.0583436E-04
    9   5.3513874E-04  -1.0484757E-04
   10   5.1428138E-04  -1.0369932E-04
   11   4.9366985E-04  -1.0238849E-04
   12   4.7333682E-04  -1.0091504E-04
   13   4.5331454E-04  -9.9280964E-05
   14   4.3363491E-04  -9.7489831E-05
   15   4.1432869E-04  -9.5547466E-05
   16   3.9542548E-04  -9.3461631E-05
   17   3.7695286E-04  -9.1243383E-05
   18   3.5893602E-04  -8.8906804E-05
   19   3.4139693E-04  -8.6468490E-05
   20   3.2435414E-04  -8.3947413E-05
   21   3.0782203E-04  -8.1365264E-05
   22   2.9181049E-04  -7.8746356E-05
   23   2.7632458E-04  -7.6111031E-05
   24   2.6136651E-04  -7.3469212E-05
   25   2.4693734E-04  -7.0820743E-05
   26   2.3303932E-04  -6.8155556E-05
   27   2.1967765E-04  -6.5453427E-05
   28   2.0686250E-04  -6.2684154E-05
   29   1.9461110E-04  -5.9808198E-05
   30   1.8294957E-04  -5.6776889E-05
   31   1.7191452E-04  -5.3533002E-05
   32   1.6155492E-04  -5.0011706E-05
   33   1.5192654E-04  -4.6240579E-05
   34   1.4306773E-04  -4.2333778E-05
   35   1.3499563E-04  -3.8387976E-05
   36   1.2770981E-04  -3.4483112E-05
   37   1.2119540E-04  -3.0683509E-05
   38   1.1542607E-04  -2.7039443E-05
   39   1.1036672E-04  -2.3588983E-05
   40   1.0597572E-04  -2.0359865E-05
   41   1.0220675E-04  -1.7371033E-05
   42   9.9010560E-05  -1.4633453E-05
   43   9.6336333E-05  -1.2151420E-05
   44   9.4133043E-05  -9.9236269E-06
   45   9.2350330E-05  -7.9442412E-06
   46   9.0939432E-05  -6.2037174E-06
   47   8.9853716E-05  -4.6900917E-06
   48   8.9049188E-05  -3.3895760E-06
   49   8.8484702E-05  -2.2868136E-06
   50   8.8122377E-05  -1.3653484E-06
   51   8.7927619E-05  -6.0807973E-07
   52   8.7869359E-05   2.4088902E-09
   53   8.7919948E-05   4.8346020E-07
   54   8.8055262E-05   8.5232519E-07
   55   8.8254492E-05   1.1254032E-06
   56   8.8500076E-05   1.3182631E-06
   57   8.8777443E-05   1.4458178E-06
   58   8.9074997E-05   1.5222834E-06
   59   8.9383855E-05   1.5612176E-06
   60   8.9697854E-05   1.5756963E-06
   61   9.0013359E-05   1.5783215E-06
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+----------------------------------------------------------------------------------------------------------+
|                 PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                               NewProject.BaseDesignSection_28.A2M2R1_3514                               |
|                            Exe Time :29 July 2019      18:02:27                                          |
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New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	2.055	-7.0718E-04	54.80	20.55	54.80	29.04	ACTIVE	0.000	0.000	0.000	1.000	1.000	20.55	0.000	0.000	Strato1_2_8_L_0
2 D	2.898	-6.8543E-04	38.63	14.49	38.63	20.48	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	14.49	0.000	0.000	Strato1_2_8_L_0
3 D	2.756	-6.6370E-04	36.74	13.78	36.74	19.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	13.78	0.000	0.000	Strato1_2_8_L_0
4 D	3.662	-6.4201E-04	48.83	18.31	48.83	25.88	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	18.31	0.000	0.000	Strato1_2_8_L_0
5 D	3.647	-6.2039E-04	48.63	18.24	48.63	25.77	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	18.24	0.000	0.000	Strato1_2_8_L_0
6 D	4.279	-5.9887E-04	57.05	21.39	57.05	30.24	ACTIVE	0.000	-1.000	0.000	1.000	1.000	21.39	0.000	0.000	Strato1_2_8_L_0
7 D	4.344	-5.7746E-04	57.92	21.72	57.92	30.70	ACTIVE	0.000	-1.200	0.000	1.000	1.000	21.72	0.000	0.000	Strato1_2_8_L_0
8 D	4.869	-5.5621E-04	64.92	24.35	64.92	34.41	ACTIVE	0.000	-1.400	0.000	1.000	1.000	24.35	0.000	0.000	Strato1_2_8_L_0
9 D	4.916	-5.3514E-04	65.55	24.58	65.55	34.74	ACTIVE	0.000	-1.600	0.000	1.000	1.000	24.58	0.000	0.000	Strato1_2_8_L_0
10 D	5.392	-5.1428E-04	71.89	26.96	71.89	38.10	ACTIVE	0.000	-1.800	0.000	1.000	1.000	26.96	0.000	0.000	Strato1_2_8_L_0
11 D	5.541	-4.9367E-04	73.88	27.70	73.88	39.16	ACTIVE	0.000	-2.000	0.000	1.000	1.000	27.70	0.000	0.000	Strato1_2_8_L_0
12 D	5.980	-4.7334E-04	79.73	29.90	79.73	42.26	ACTIVE	0.000	-2.200	0.000	1.000	1.000	29.90	0.000	0.000	Strato1_2_8_L_0
13 D	6.148	-4.5331E-04	81.98	30.74	81.98	43.45	ACTIVE	0.000	-2.400	0.000	1.000	1.000	30.74	0.000	0.000	Strato1_2_8_L_0
14 D	6.562	-4.3363E-04	87.49	32.81	87.49	46.37	ACTIVE	0.000	-2.600	0.000	1.000	1.000	32.81	0.000	0.000	Strato1_2_8_L_0
15 D	6.745	-4.1433E-04	89.93	33.73	89.93	47.67	ACTIVE	0.000	-2.800	0.000	1.000	1.000	33.73	0.000	0.000	Strato1_2_8_L_0
16 D	7.104	-3.9543E-04	94.72	35.52	94.72	50.20	ACTIVE	0.000	-3.000	0.000	1.000	1.000	35.52	0.000	0.000	Strato1_2_8_L_0
17 D	7.302	-3.7695E-04	97.35	36.51	97.35	51.60	ACTIVE	0.000	-3.200	0.000	1.000	1.000	36.51	0.000	0.000	Strato1_2_8_L_0
18 D	7.685	-3.5894E-04	102.5	38.43	102.5	54.31	ACTIVE	0.000	-3.400	0.000	1.000	1.000	38.43	0.000	0.000	Strato1_2_8_L_0
19 D	7.891	-3.4140E-04	105.2	39.46	105.2	55.77	ACTIVE	0.000	-3.600	0.000	1.000	1.000	39.46	0.000	0.000	Strato1_2_8_L_0
20 D	8.264	-3.2435E-04	110.2	41.32	110.2	58.40	ACTIVE	0.000	-3.800	0.000	1.000	1.000	41.32	0.000	0.000	Strato1_2_8_L_0
21 D	8.477	-3.0782E-04	113.0	42.39	113.0	59.91	ACTIVE	0.000	-4.000	0.000	1.000	1.000	42.39	0.000	0.000	Strato1_2_8_L_0
22 D	9.131	-2.9181E-04	117.9	45.66	117.9	62.48	UL-RL	5.7646E+04	-4.200	0.000	1.000	1.000	45.66	0.000	0.000	Strato1_2_8_L_0
23 D	9.619	-2.7632E-04	120.8	48.10	120.8	64.03	UL-RL	5.7646E+04	-4.400	0.000	1.000	1.000	48.10	0.000	0.000	Strato1_2_8_L_0
24 D	10.26	-2.6137E-04	125.2	51.31	125.2	66.38	UL-RL	5.7646E+04	-4.600	0.000	1.000	1.000	51.31	0.000	0.000	Strato1_2_8_L_0
25 D	10.75	-2.4694E-04	128.2	53.73	128.2	67.97	UL-RL	5.7646E+04	-4.800	0.000	1.000	1.000	53.73	0.000	0.000	Strato1_2_8_L_0
26 D	11.40	-2.3304E-04	132.9	57.02	132.9	70.45	UL-RL	5.7646E+04	-5.000	0.000	1.000	1.000	57.02	0.000	0.000	Strato1_2_8_L_0
27 D	11.88	-2.1968E-04	136.0	59.41	136.0	72.08	UL-RL	5.7646E+04	-5.200	0.000	1.000	1.000	59.41	0.000	0.000	Strato1_2_8_L_0
28 D	12.52	-2.0686E-04	140.6	62.60	140.6	74.52	UL-RL	5.7646E+04	-5.400	0.000	1.000	1.000	62.60	0.000	0.000	Strato1_2_8_L_0
29 D	12.99	-1.9461E-04	143.7	64.95	143.7	76.17	UL-RL	5.7646E+04	-5.600	0.000	1.000	1.000	64.95	0.000	0.000	Strato1_2_8_L_0
30 D	13.61	-1.8295E-04	148.3	68.04	148.3	78.59	UL-RL	5.7646E+04	-5.800	0.000	1.000	1.000				

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68.04       0.000       0.000     Strato1_2_8_L_0
  31 D   14.04     -1.7191E-04  151.2       70.22       151.2       80.13          UL-RL  5.7646E+04  -6.000       0.000       1.000       1.000
70.22       0.000       0.000     Strato1_2_8_L_0
  32 D   10.41     -1.6155E-04  155.8       52.05       155.8       77.90          UL-RL  1.5998E+05  -6.200       0.000       1.000       1.000
52.05       0.000       0.000     Strato2_3095_82743_L_0
  33 D   11.06     -1.5193E-04  159.2       55.29       159.2       79.60          UL-RL  1.5998E+05  -6.400       0.000       1.000       1.000
55.29       0.000       0.000     Strato2_3095_82743_L_0
  34 D   11.81     -1.4307E-04  163.9       59.04       163.9       81.93          UL-RL  1.5998E+05  -6.600       0.000       1.000       1.000
59.04       0.000       0.000     Strato2_3095_82743_L_0
  35 D   12.41     -1.3500E-04  167.3       62.05       167.3       83.65          UL-RL  1.5998E+05  -6.800       0.000       1.000       1.000
62.05       0.000       0.000     Strato2_3095_82743_L_0
  36 D   13.11     -1.2771E-04  171.9       65.53       171.9       85.96          UL-RL  1.5998E+05  -7.000       0.000       1.000       1.000
65.53       0.000       0.000     Strato2_3095_82743_L_0
  37 D   13.66     -1.2120E-04  175.4       68.30       175.4       87.69          UL-RL  1.5998E+05  -7.200       0.000       1.000       1.000
68.30       0.000       0.000     Strato2_3095_82743_L_0
  38 D   14.30     -1.1543E-04  180.0       71.52       180.0       89.99          UL-RL  1.5998E+05  -7.400       0.000       1.000       1.000
71.52       0.000       0.000     Strato2_3095_82743_L_0
  39 D   14.79     -1.1037E-04  183.3       73.97       183.3       91.63          UL-RL  1.5998E+05  -7.600       0.000       1.000       1.000
73.97       0.000       0.000     Strato2_3095_82743_L_0
  40 D   15.39     -1.0598E-04  187.8       76.96       187.8       93.91          UL-RL  1.5998E+05  -7.800       0.000       1.000       1.000
76.96       0.000       0.000     Strato2_3095_82743_L_0
  41 D   15.86     -1.0221E-04  191.3       79.32       191.3       95.67          UL-RL  1.5998E+05  -8.000       0.000       1.000       1.000
79.32       0.000       0.000     Strato2_3095_82743_L_0
  42 D   16.42     -9.9011E-05  195.9       82.10       195.9       97.94          UL-RL  1.5998E+05  -8.200       0.000       1.000       1.000
82.10       0.000       0.000     Strato2_3095_82743_L_0
  43 D   16.86     -9.6336E-05  199.4       84.30       199.4       99.71          UL-RL  1.5998E+05  -8.400       0.000       1.000       1.000
84.30       0.000       0.000     Strato2_3095_82743_L_0
  44 D   17.38     -9.4133E-05  203.9       86.90       203.9       102.0          UL-RL  1.5998E+05  -8.600       0.000       1.000       1.000
86.90       0.000       0.000     Strato2_3095_82743_L_0
  45 D   17.79     -9.2350E-05  207.5       88.97       207.5       103.7          UL-RL  1.5998E+05  -8.800       0.000       1.000       1.000
88.97       0.000       0.000     Strato2_3095_82743_L_0
  46 D   18.27     -9.0939E-05  211.8       91.35       211.8       105.9          UL-RL  1.5998E+05  -9.000       0.000       1.000       1.000
91.35       0.000       0.000     Strato2_3095_82743_L_0
  47 D   18.66     -8.9854E-05  215.4       93.31       215.4       107.7          UL-RL  1.5998E+05  -9.200       0.000       1.000       1.000
93.31       0.000       0.000     Strato2_3095_82743_L_0
  48 D   19.14     -8.9049E-05  219.8       95.68       219.8       109.9          UL-RL  1.5998E+05  -9.400       0.000       1.000       1.000
95.68       0.000       0.000     Strato2_3095_82743_L_0
  49 D   19.51     -8.8485E-05  223.4       97.57       223.4       111.7          UL-RL  1.5998E+05  -9.600       0.000       1.000       1.000
97.57       0.000       0.000     Strato2_3095_82743_L_0
  50 D   19.97     -8.8122E-05  227.9       99.85       227.9       113.9          UL-RL  1.5998E+05  -9.800       0.000       1.000       1.000
99.85       0.000       0.000     Strato2_3095_82743_L_0
  51 D   20.34     -8.7928E-05  231.5       101.7       231.5       115.7          UL-RL  1.5998E+05  -10.00       0.000       1.000       1.000
101.7       0.000       0.000     Strato2_3095_82743_L_0
  52 D   20.78     -8.7869E-05  235.9       103.9       235.9       118.0          UL-RL  1.5998E+05  -10.20       0.000       1.000       1.000
103.9       0.000       0.000     Strato2_3095_82743_L_0
  53 D   21.14     -8.7920E-05  239.6       105.7       239.6       119.8          UL-RL  1.5998E+05  -10.40       0.000       1.000       1.000
105.7       0.000       0.000     Strato2_3095_82743_L_0
  54 D   21.57     -8.8055E-05  243.8       107.8       243.8       121.9          UL-RL  1.5998E+05  -10.60       0.000       1.000       1.000
107.8       0.000       0.000     Strato2_3095_82743_L_0
  55 D   21.92     -8.8254E-05  247.5       109.6       247.5       123.7          UL-RL  1.5998E+05  -10.80       0.000       1.000       1.000
109.6       0.000       0.000     Strato2_3095_82743_L_0
  56 D   22.35     -8.8500E-05  251.9       111.8       251.9       125.9          UL-RL  1.5998E+05  -11.00       0.000       1.000       1.000
111.8       0.000       0.000     Strato2_3095_82743_L_0
  57 D   22.71     -8.8777E-05  255.5       113.6       255.5       127.8          UL-RL  1.5998E+05  -11.20       0.000       1.000       1.000
113.6       0.000       0.000     Strato2_3095_82743_L_0
  58 D   23.14     -8.9075E-05  259.9       115.7       259.9       130.0          UL-RL  1.5998E+05  -11.40       0.000       1.000       1.000
115.7       0.000       0.000     Strato2_3095_82743_L_0
  59 D   23.50     -8.9384E-05  263.6       117.5       263.6       131.8          UL-RL  1.5998E+05  -11.60       0.000       1.000       1.000
117.5       0.000       0.000     Strato2_3095_82743_L_0
  60 D   23.92     -8.9698E-05  267.9       119.6       267.9       134.0          UL-RL  1.5998E+05  -11.80       0.000       1.000       1.000
119.6       0.000       0.000     Strato2_3095_82743_L_0
  61 D   12.13     -9.0013E-05  271.5       121.3       271.5       135.7          UL-RL  1.5998E+05  -12.00       0.000       1.000       1.000
121.3       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                                          |
 |                                  Exe Time :29 July 2019      18:02:27                                                                     |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL * Peq	FORCE Su_a	DISPL-Y Su_p	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	LAYER
1 D	0.000	7.0718E-04	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	Strato1_2_8_L_0
0.000	0.000	0.000											
2 D	2.309	6.8543E-04	3.800	11.54	3.800	11.54	PASSIVE	0.000	-0.2000	0.000	1.000	1.000	Strato1_2_8_L_0
11.54	0.000	0.000											
3 D	2.964	6.6370E-04	7.600	14.82	7.600	14.82	V-C	1.6263E+04	-0.4000	0.000	1.000	1.000	Strato1_2_8_L_0
14.82	0.000	0.000											
4 D	3.297	6.4201E-04	11.40	16.48	11.40	16.48	V-C	1.6263E+04	-0.6000	0.000	1.000	1.000	Strato1_2_8_L_0
16.48	0.000	0.000											
5 D	3.629	6.2039E-04	15.20	18.15	15.20	18.15	V-C	1.6263E+04	-0.8000	0.000	1.000	1.000	Strato1_2_8_L_0
18.15	0.000	0.000											
6 D	3.962	5.9887E-04	19.00	19.81	19.00	19.81	V-C	1.6263E+04	-1.000	0.000	1.000	1.000	Strato1_2_8_L_0
19.81	0.000	0.000											
7 D	4.295	5.7746E-04	22.80	21.48	22.80	21.48	V-C	1.6263E+04	-1.200	0.000	1.000	1.000	Strato1_2_8_L_0
21.48	0.000	0.000											
8 D	4.629	5.5621E-04	26.60	23.14	26.60	23.14	V-C	1.6263E+04	-1.400	0.000	1.000	1.000	Strato1_2_8_L_0
23.14	0.000	0.000											
9 D	4.963	5.3514E-04	30.40	24.82	30.40	24.82	V-C	1.6263E+04	-1.600	0.000	1.000	1.000	Strato1_2_8_L_0
24.82	0.000	0.000											
10 D	5.298	5.1428E-04	34.20	26.49	34.20	26.49	V-C	1.6263E+04	-1.800	0.000	1.000	1.000	Strato1_2_8_L_0
26.49	0.000	0.000											
11 D	5.634	4.9367E-04	38.00	28.17	38.00	28.17	V-C	1.6263E+04	-2.000	0.000	1.000	1.000	Strato1_2_8_L_0
28.17	0.000	0.000											
12 D	5.970	4.7334E-04	41.80	29.85	41.80	29.85	V-C	1.6263E+04	-2.200	0.000	1.000	1.000	Strato1_2_8_L_0
29.85	0.000	0.000											
13 D	6.308	4.5331E-04	45.60	31.54	45.60	31.54	V-C	1.6263E+04	-2.400	0.000	1.000	1.000	Strato1_2_8_L_0
31.54	0.000	0.000											
14 D	6.647	4.3363E-04	49.40	33.23	49.40	33.23	V-C	1.6263E+04	-2.600	0.000	1.000	1.000	Strato1_2_8_L_0
33.23	0.000	0.000											
15 D	6.987	4.1433E-04	53.20	34.93	53.20	34.93	V-C	1.6263E+04	-2.800	0.000	1.000	1.000	Strato1_2_8_L_0
34.93	0.000	0.000											
16 D	7.328	3.9543E-04	57.00	36.64	57.00	36.64	V-C	1.6263E+04	-3.000	0.000	1.000	1.000	Strato1_2_8_L_0
36.64	0.000	0.000											
17 D	7.671	3.7695E-04	60.80	38.35	60.80	38.35	V-C	1.6263E+04	-3.200	0.000	1.000	1.000	Strato1_2_8_L_0
38.35	0.000	0.000											
18 D	8.015	3.5894E-04	64.60	40.08	64.60	40.08	V-C	1.6263E+04	-3.400	0.000	1.000	1.000	Strato1_2_8_L_0
40.08	0.000	0.000											
19 D	8.361	3.4140E-04	68.40	41.80	68.40	41.80	V-C	1.6263E+04	-3.600	0.000	1.000	1.000	Strato1_2_8_L_0
41.80	0.000	0.000											
20 D	8.708	3.2435E-04	72.20	43.54	72.20	43.54	V-C	1.6263E+04	-3.800	0.000	1.000	1.000	Strato1_2_8_L_0
43.54	0.000	0.000											
21 D	9.057	3.0782E-04	76.00	45.29	76.00	45.29	V-C	1.6263E+04	-4.000	0.000	1.000	1.000	Strato1_2_8_L_0
45.29	0.000	0.000											
22 D	9.408	2.9181E-04	79.80	47.04	79.80	47.04	V-C	1.6263E+04	-4.200	0.000	1.000	1.000	Strato1_2_8_L_0
47.04	0.000	0.000											
23 D	9.760	2.7632E-04	83.60	48.80	83.60	48.80	V-C	1.6263E+04	-4.400	0.000	1.000	1.000	Strato1_2_8_L_0
48.80	0.000	0.000											
24 D	10.11	2.6137E-04	87.40	50.57	87.40	50.57	V-C	1.6263E+04	-4.600	0.000	1.000	1.000	Strato1_2_8_L_0
50.57	0.000	0.000											
25 D	10.47	2.4694E-04	91.20	52.35	91.20	52.35	V-C	1.6263E+04	-4.800	0.000	1.000	1.000	Strato1_2_8_L_0
52.35	0.000	0.000											
26 D	10.83	2.3304E-04	95.00	54.14	95.00	54.14	V-C	1.6263E+04	-5.000	0.000	1.000	1.000	Strato1_2_8_L_0
54.14	0.000	0.000											
27 D	11.19	2.1968E-04	98.80	55.94	98.80	55.94	V-C	1.6263E+04	-5.200	0.000	1.000	1.000	Strato1_2_8_L_0
55.94	0.000	0.000											
28 D	11.55	2.0686E-04	102.6	57.74	102.6	57.74	V-C	1.6263E+04	-5.400	0.000	1.000	1.000	Strato1_2_8_L_0
57.74	0.000	0.000											
29 D	11.91	1.9461E-04	106.4	59.56	106.4	59.56	V-C	1.6263E+04	-5.600	0.000	1.000	1.000	Strato1_2_8_L_0
59.56	0.000	0.000											
30 D	12.28	1.8295E-04	110.2	61.38	110.2	61.38	V-C	1.6263E+04	-5.800	0.000	1.000	1.000	Strato1_2_8_L_0
61.38	0.000	0.000											
31 D	12.64	1.7191E-04	114.0	63.22	114.0	63.22	V-C	1.6263E+04	-6.000	0.000	1.000	1.000	Strato1_2_8_L_0
63.22	0.000	0.000											
32 D	12.97	1.6155E-04	117.9	64.87	117.9	64.87	V-C	3.6625E+04	-6.200	0.000	1.000	1.000	Strato2_3095_82743_L_0
64.87	0.000	0.000											
33 D	13.30	1.5193E-04	121.9	66.51	121.9	66.51	V-C	3.6625E+04	-6.400	0.000	1.000	1.000	Strato2_3095_82743_L_0
66.51	0.000	0.000											
34 D	13.64	1.4307E-04	125.9	68.18	125.9	68.20	UL-RL	1.0987E+05	-6.600	0.000	1.000	1.000	Strato2_3095_82743_L_0
68.18	0.000	0.000											
35 D	13.95	1.3500E-04	129.9	69.75	129.9	69.97	UL-RL	1.0987E+05	-6.800	0.000	1.000	1.000	Strato2_3095_82743_L_0
69.75	0.000	0.000											
36 D	14.27	1.2771E-04	133.9	71.37	133.9	71.75	UL-RL	1.0987E+05	-7.000	0.000	1.000	1.000	Strato2_3095_82743_L_0
71.37	0.000	0.000											
37 D	14.61	1.2120E-04	137.9	73.05	137.9	73.56	UL-RL	1.0987E+05	-7.200	0.000	1.000	1.000	Strato2_3095_82743_L_0
73.05	0.000	0.000											
38 D	14.96	1.1543E-04	141.9	74.78	141.9	75.38	UL-RL	1.0987E+05	-7.400	0.000	1.000	1.000	Strato2_3095_82743_L_0
74.78	0.000	0.000											
39 D	15.31	1.1037E-04	145.9	76.55	145.9	77.21	UL-RL	1.0987E+05	-7.600	0.000	1.000	1.000	Strato2_3095_82743_L_0
76.55	0.000	0.000											
40 D	15.67	1.0598E-04	149.9	78.37	149.9	79.06	UL-RL	1.0987E+05	-7.800	0.000	1.000	1.000	Strato2_3095_82743_L_0
78.37	0.000	0.000											

41 D	16.04	1.0221E-04	153.9	80.22	153.9	80.93	UL-RL	1.0987E+05	-8.000	0.000	1.000	1.000
80.22	0.000	0.000	Strato2_3095_82743_L_0									
42 D	16.42	9.9011E-05	157.9	82.10	157.9	82.81	UL-RL	1.0987E+05	-8.200	0.000	1.000	1.000
82.10	0.000	0.000	Strato2_3095_82743_L_0									
43 D	16.80	9.6336E-05	161.9	84.02	161.9	84.71	UL-RL	1.0987E+05	-8.400	0.000	1.000	1.000
84.02	0.000	0.000	Strato2_3095_82743_L_0									
44 D	17.19	9.4133E-05	165.9	85.95	165.9	86.62	UL-RL	1.0987E+05	-8.600	0.000	1.000	1.000
85.95	0.000	0.000	Strato2_3095_82743_L_0									
45 D	17.58	9.2350E-05	169.9	87.91	169.9	88.54	UL-RL	1.0987E+05	-8.800	0.000	1.000	1.000
87.91	0.000	0.000	Strato2_3095_82743_L_0									
46 D	17.98	9.0939E-05	173.9	89.89	173.9	90.48	UL-RL	1.0987E+05	-9.000	0.000	1.000	1.000
89.89	0.000	0.000	Strato2_3095_82743_L_0									
47 D	18.38	8.9854E-05	177.9	91.88	177.9	92.42	UL-RL	1.0987E+05	-9.200	0.000	1.000	1.000
91.88	0.000	0.000	Strato2_3095_82743_L_0									
48 D	18.78	8.9049E-05	181.9	93.88	181.9	94.38	UL-RL	1.0987E+05	-9.400	0.000	1.000	1.000
93.88	0.000	0.000	Strato2_3095_82743_L_0									
49 D	19.18	8.8485E-05	185.9	95.90	185.9	96.34	UL-RL	1.0987E+05	-9.600	0.000	1.000	1.000
95.90	0.000	0.000	Strato2_3095_82743_L_0									
50 D	19.58	8.8122E-05	189.9	97.92	189.9	98.31	UL-RL	1.0987E+05	-9.800	0.000	1.000	1.000
97.92	0.000	0.000	Strato2_3095_82743_L_0									
51 D	19.99	8.7928E-05	193.9	99.95	193.9	100.3	UL-RL	1.0987E+05	-10.00	0.000	1.000	1.000
99.95	0.000	0.000	Strato2_3095_82743_L_0									
52 D	20.40	8.7869E-05	197.9	102.0	197.9	102.3	UL-RL	1.0987E+05	-10.20	0.000	1.000	1.000
102.0	0.000	0.000	Strato2_3095_82743_L_0									
53 D	20.80	8.7920E-05	201.9	104.0	201.9	104.2	UL-RL	1.0987E+05	-10.40	0.000	1.000	1.000
104.0	0.000	0.000	Strato2_3095_82743_L_0									
54 D	21.21	8.8055E-05	205.9	106.1	205.9	106.2	UL-RL	1.0987E+05	-10.60	0.000	1.000	1.000
106.1	0.000	0.000	Strato2_3095_82743_L_0									
55 D	21.62	8.8254E-05	209.9	108.1	209.9	108.2	UL-RL	1.0987E+05	-10.80	0.000	1.000	1.000
108.1	0.000	0.000	Strato2_3095_82743_L_0									
56 D	22.03	8.8500E-05	213.9	110.1	213.9	110.2	UL-RL	1.0987E+05	-11.00	0.000	1.000	1.000
110.1	0.000	0.000	Strato2_3095_82743_L_0									
57 D	22.44	8.8777E-05	217.9	112.2	217.9	112.2	UL-RL	1.0987E+05	-11.20	0.000	1.000	1.000
112.2	0.000	0.000	Strato2_3095_82743_L_0									
58 D	22.84	8.9075E-05	221.9	114.2	221.9	114.2	UL-RL	1.0987E+05	-11.40	0.000	1.000	1.000
114.2	0.000	0.000	Strato2_3095_82743_L_0									
59 D	23.24	8.9384E-05	225.9	116.2	225.9	116.2	UL-RL	1.0987E+05	-11.60	0.000	1.000	1.000
116.2	0.000	0.000	Strato2_3095_82743_L_0									
60 D	23.65	8.9698E-05	229.9	118.2	229.9	118.2	UL-RL	1.0987E+05	-11.80	0.000	1.000	1.000
118.2	0.000	0.000	Strato2_3095_82743_L_0									
61 D	12.02	9.0013E-05	233.9	120.2	233.9	120.3	UL-RL	1.0987E+05	-12.00	0.000	1.000	1.000
120.2	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:02:27                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  2.0550     -2.0550    -1.49059E-12 0.41100
    2  2.6436     -2.6436    -0.41100     0.93972
    3  2.4349     -2.4349    -0.93972     1.4267
    4  2.8002     -2.8002    -1.4267      1.9867
    5  2.8181     -2.8181    -1.9867      2.5504
    6  3.1351     -3.1351    -2.5504      3.1774
    7  3.1839     -3.1839    -3.1774      3.8142
    8  3.4242     -3.4242    -3.8142      4.4990
    9  3.3772     -3.3772    -4.4990      5.1744
   10  3.4713     -3.4713    -5.1744      5.8687
   11  3.3785     -3.3785    -5.8687      6.5444
   12  3.3877     -3.3877    -6.5444      7.2219
   13  3.2278     -3.2278    -7.2219      7.8675
   14  3.1425     -3.1425    -7.8675      8.4960
   15  2.9007     -2.9007    -8.4960      9.0761
   16  2.6768     -2.6768    -9.0761      9.6115
   17  2.3075     -2.3075    -9.6115      10.073
   18  1.9778     -1.9778    -10.073      10.469
   19  1.5083     -1.5083    -10.469      10.770
   20  1.0642     -1.0642    -10.770      10.983
```

21	0.48419	-0.48419	-10.983	11.080
22	0.20731	-0.20731	-11.080	11.121
23	6.62438E-02	-6.62438E-02	-11.121	11.135
24	0.21388	-0.21388	-11.135	11.177
25	0.49033	-0.49033	-11.177	11.275
26	1.0663	-1.0663	-11.275	11.489
27	1.7613	-1.7613	-11.489	11.841
28	2.7325	-2.7325	-11.841	12.388
29	3.8113	-3.8113	-12.388	13.150
30	5.1430	-5.1430	-13.150	14.178
31	6.5429	-6.5429	-14.178	15.487
32	3.9799	-3.9799	-15.487	16.283
33	1.7350	-1.7350	-16.283	16.630
34	-9.22741E-02	9.22741E-02	-16.630	16.611
35	-1.6321	1.6321	-16.611	16.285
36	-2.8010	2.8010	-16.285	15.725
37	-3.7515	3.7515	-15.725	14.975
38	-4.4037	4.4037	-14.975	14.094
39	-4.9198	4.9198	-14.094	13.110
40	-5.2016	5.2016	-13.110	12.070
41	-5.3818	5.3818	-12.070	10.993
42	-5.3825	5.3825	-10.993	9.9167
43	-5.3267	5.3267	-9.9167	8.8514
44	-5.1365	5.1365	-8.8514	7.8241
45	-4.9254	4.9254	-7.8241	6.8390
46	-4.6321	4.6321	-6.8390	5.9126
47	-4.3446	4.3446	-5.9126	5.0436
48	-3.9852	3.9852	-5.0436	4.2466
49	-3.6513	3.6513	-4.2466	3.5163
50	-3.2653	3.2653	-3.5163	2.8633
51	-2.9180	2.9180	-2.8633	2.2797
52	-2.5326	2.5326	-2.2797	1.7732
53	-2.1941	2.1941	-1.7732	1.3343
54	-1.8407	1.8407	-1.3343	0.96621
55	-1.5383	1.5383	-0.96621	0.65854
56	-1.2125	1.2125	-0.65854	0.41604
57	-0.93951	0.93951	-0.41604	0.22814
58	-0.64141	0.64141	-0.22814	9.98602E-02
59	-0.38872	0.38872	-9.98602E-02	2.21154E-02
60	-0.11057	0.11057	-2.21154E-02	1.23096E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                  Exe Time :29 July 2019      18:02:27                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2168E+05 RIMNOR=0.1044E+05
           RENORM= 676.5     REMNOR=0.5776E-21 RATIO =0.1766     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.92     RMMAX = 16.63
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2168E+05 RDR   =0.1044E+05
           RATIOT=0.1766     RATIOR= 0.000
           MAX UN= 6.987     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.3937E-10 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2168E+05 RIMNOR=0.1044E+05
           RENORM= 433.4     REMNOR=0.3625E-18 RATIO =0.1414     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.92     RMMAX = 16.63
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2168E+05 RDR   =0.1044E+05
           RATIOT=0.1414     RATIOR= 0.000
           MAX UN= 10.28     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.5365E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2168E+05 RIMNOR=0.1044E+05
           RENORM= 149.8     REMNOR=0.1912E-18 RATIO =0.8311E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.92     RMMAX = 16.63
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2168E+05 RDR   =0.1044E+05
           RATIOT=0.8311E-01 RATIOR= 0.000
           MAX UN= 7.877     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.3030E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2168E+05 RIMNOR=0.1044E+05
           RENORM= 2.461     REMNOR=0.1089E-18 RATIO =0.1065E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 23.92     RMMAX = 16.63
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2168E+05 RDR   =0.1044E+05
           RATIOT=0.1065E-01 RATIOR= 0.000
           MAX UN= 1.423     IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.2752E-01 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2168E+05 RIMNOR=0.1044E+05
           RENORM=0.4238E-16 REMNOR=0.1341E-18 RATIO =0.4421E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 23.92     RMMAX = 16.63
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.2168E+05 RDR   =0.1044E+05
           RATIOT=0.4421E-10 RATIOR= 0.000
           MAX UN=0.3216E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.2665E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.2433733E-02  -1.9270844E-03
    2   1.2048319E-02  -1.9270356E-03
    3   1.1662930E-02  -1.9268204E-03
    4   1.1277611E-02  -1.9263047E-03
    5   1.0892438E-02  -1.9253361E-03
    6   1.0507518E-02  -1.9237410E-03
    7   1.0122996E-02  -1.9213314E-03
    8   9.7390537E-03  -1.9179024E-03
    9   9.3559174E-03  -1.9132354E-03
   10   8.9738576E-03  -1.9070981E-03
   11   8.5931925E-03  -1.8992457E-03
   12   8.2142909E-03  -1.8894188E-03
   13   7.8375748E-03  -1.8773438E-03
   14   7.4635225E-03  -1.8627327E-03
   15   7.0926709E-03  -1.8452840E-03
   16   6.7256192E-03  -1.8246815E-03
   17   6.3630286E-03  -1.8006241E-03
   18   6.0056153E-03  -1.7728793E-03
   19   5.6541319E-03  -1.7413105E-03
   20   5.3093488E-03  -1.7058769E-03
   21   4.9720351E-03  -1.6666335E-03
   22   4.6429393E-03  -1.6237308E-03
   23   4.3227703E-03  -1.5774156E-03
   24   4.0121811E-03  -1.5279801E-03
   25   3.7117674E-03  -1.4757073E-03
   26   3.4220695E-03  -1.4208650E-03
   27   3.1435771E-03  -1.3637068E-03
   28   2.8767267E-03  -1.3044712E-03
   29   2.6219121E-03  -1.2433845E-03
   30   2.3794820E-03  -1.1806603E-03
   31   2.1497436E-03  -1.1165007E-03
   32   1.9329657E-03  -1.0510977E-03
   33   1.7293642E-03  -9.8481639E-04
   34   1.5390622E-03  -9.1818943E-04
   35   1.3620775E-03  -8.5172664E-04
   36   1.1983280E-03  -7.8591742E-04
   37   1.0476363E-03  -7.2123319E-04
   38   9.0973020E-04  -6.5812804E-04
   39   7.8425039E-04  -5.9704277E-04
   40   6.7074987E-04  -5.3840572E-04
   41   5.6869724E-04  -4.8263151E-04
   42   4.7748206E-04  -4.3008542E-04
   43   3.9642875E-04  -3.8105428E-04
   44   3.2481203E-04  -3.3574802E-04
   45   2.6187275E-04  -2.9429824E-04
   46   2.0683205E-04  -2.5676342E-04
   47   1.5890664E-04  -2.2313970E-04
   48   1.1731935E-04  -1.9336829E-04
   49   8.1309605E-05  -1.6734270E-04
   50   5.0142544E-05  -1.4491534E-04
   51   2.3115973E-05  -1.2590281E-04
   52  -4.3254217E-07  -1.1009111E-04
   53  -2.1117530E-05  -9.7241454E-05
   54  -3.9507882E-05  -8.7088970E-05
   55  -5.6114113E-05  -7.9351411E-05
   56  -7.1389401E-05  -7.3728172E-05
   57  -8.5725212E-05  -6.9902384E-05
   58  -9.9448055E-05  -6.7542110E-05
   59  -1.1281667E-04  -6.6301093E-05
   60  -1.2601909E-04  -6.5819065E-05
   61  -1.3917062E-04  -6.5722000E-05
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                     |
|                                   Exe Time :29 July 2019      18:02:27                                               |
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New Project

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	2.055	-1.2434E-02	54.80	20.55	54.80	29.04	ACTIVE	0.000	0.000	0.000	1.000	1.000	20.55	0.000	0.000	Strato1_2_8_L_0
2 D	2.898	-1.2048E-02	38.63	14.49	38.63	20.48	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	14.49	0.000	0.000	Strato1_2_8_L_0
3 D	2.756	-1.1663E-02	36.74	13.78	36.74	19.47	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	13.78	0.000	0.000	Strato1_2_8_L_0
4 D	3.662	-1.1278E-02	48.83	18.31	48.83	25.88	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	18.31	0.000	0.000	Strato1_2_8_L_0
5 D	3.647	-1.0892E-02	48.63	18.24	48.63	25.77	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	18.24	0.000	0.000	Strato1_2_8_L_0
6 D	4.279	-1.0508E-02	57.05	21.39	57.05	30.24	ACTIVE	0.000	-1.000	0.000	1.000	1.000	21.39	0.000	0.000	Strato1_2_8_L_0
7 D	4.344	-1.0123E-02	57.92	21.72	57.92	30.70	ACTIVE	0.000	-1.200	0.000	1.000	1.000	21.72	0.000	0.000	Strato1_2_8_L_0
8 D	4.869	-9.7391E-03	64.92	24.35	64.92	34.41	ACTIVE	0.000	-1.400	0.000	1.000	1.000	24.35	0.000	0.000	Strato1_2_8_L_0
9 D	4.916	-9.3559E-03	65.55	24.58	65.55	34.74	ACTIVE	0.000	-1.600	0.000	1.000	1.000	24.58	0.000	0.000	Strato1_2_8_L_0
10 D	5.392	-8.9739E-03	71.89	26.96	71.89	38.10	ACTIVE	0.000	-1.800	0.000	1.000	1.000	26.96	0.000	0.000	Strato1_2_8_L_0
11 D	5.541	-8.5932E-03	73.88	27.70	73.88	39.16	ACTIVE	0.000	-2.000	0.000	1.000	1.000	27.70	0.000	0.000	Strato1_2_8_L_0
12 D	5.980	-8.2143E-03	79.73	29.90	79.73	42.26	ACTIVE	0.000	-2.200	0.000	1.000	1.000	29.90	0.000	0.000	Strato1_2_8_L_0
13 D	6.148	-7.8376E-03	81.98	30.74	81.98	43.45	ACTIVE	0.000	-2.400	0.000	1.000	1.000	30.74	0.000	0.000	Strato1_2_8_L_0
14 D	6.562	-7.4635E-03	87.49	32.81	87.49	46.37	ACTIVE	0.000	-2.600	0.000	1.000	1.000	32.81	0.000	0.000	Strato1_2_8_L_0
15 D	6.745	-7.0927E-03	89.93	33.73	89.93	47.67	ACTIVE	0.000	-2.800	0.000	1.000	1.000	33.73	0.000	0.000	Strato1_2_8_L_0
16 D	7.104	-6.7256E-03	94.72	35.52	94.72	50.20	ACTIVE	0.000	-3.000	0.000	1.000	1.000	35.52	0.000	0.000	Strato1_2_8_L_0
17 D	7.302	-6.3630E-03	97.35	36.51	97.35	51.60	ACTIVE	0.000	-3.200	0.000	1.000	1.000	36.51	0.000	0.000	Strato1_2_8_L_0
18 D	7.685	-6.0056E-03	102.5	38.43	102.5	54.31	ACTIVE	0.000	-3.400	0.000	1.000	1.000	38.43	0.000	0.000	Strato1_2_8_L_0
19 D	7.891	-5.6541E-03	105.2	39.46	105.2	55.77	ACTIVE	0.000	-3.600	0.000	1.000	1.000	39.46	0.000	0.000	Strato1_2_8_L_0
20 D	8.264	-5.3093E-03	110.2	41.32	110.2	58.40	ACTIVE	0.000	-3.800	0.000	1.000	1.000	41.32	0.000	0.000	Strato1_2_8_L_0
21 D	8.477	-4.9720E-03	113.0	42.39	113.0	59.91	ACTIVE	0.000	-4.000	0.000	1.000	1.000	42.39	0.000	0.000	Strato1_2_8_L_0
22 D	8.841	-4.6429E-03	117.9	44.21	117.9	62.48	ACTIVE	0.000	-4.200	0.000	1.000	1.000	44.21	0.000	0.000	Strato1_2_8_L_0
23 D	9.060	-4.3228E-03	120.8	45.30	120.8	64.03	ACTIVE	0.000	-4.400	0.000	1.000	1.000	45.30	0.000	0.000	Strato1_2_8_L_0
24 D	9.393	-4.0122E-03	125.2	46.97	125.2	66.38	ACTIVE	0.000	-4.600	0.000	1.000	1.000	46.97	0.000	0.000	Strato1_2_8_L_0
25 D	9.618	-3.7118E-03	128.2	48.09	128.2	67.97	ACTIVE	0.000	-4.800	0.000	1.000	1.000	48.09	0.000	0.000	Strato1_2_8_L_0
26 D	9.970	-3.4221E-03	132.9	49.85	132.9	70.45	ACTIVE	0.000	-5.000	0.000	1.000	1.000	49.85	0.000	0.000	Strato1_2_8_L_0
27 D	10.20	-3.1436E-03	136.0	51.00	136.0	72.08	ACTIVE	0.000	-5.200	0.000	1.000	1.000	51.00	0.000	0.000	Strato1_2_8_L_0
28 D	10.55	-2.8767E-03	140.6	52.73	140.6	74.52	ACTIVE	0.000	-5.400	0.000	1.000	1.000	52.73	0.000	0.000	Strato1_2_8_L_0
29 D	10.78	-2.6219E-03	143.7	53.89	143.7	76.17	ACTIVE	0.000	-5.600	0.000	1.000	1.000	53.89	0.000	0.000	Strato1_2_8_L_0
30 D	11.12	-2.3795E-03	148.3	55.60	148.3	78.59	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

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55.60       0.000       0.000     Strato1_2_8_L_0
  31 D   11.34     -2.1497E-03   151.2       56.69       151.2       80.13          ACTIVE   0.000      -6.000      0.000       1.000       1.000
56.69       0.000       0.000     Strato1_2_8_L_0
  32 D   5.842     -1.9330E-03   155.8       29.21       155.8       77.90          ACTIVE   0.000      -6.200      0.000       1.000       1.000
29.21       0.000       0.000     Strato2_3095_82743_L_0
  33 D   6.046     -1.7294E-03   159.2       30.23       159.2       79.60          ACTIVE   0.000      -6.400      0.000       1.000       1.000
30.23       0.000       0.000     Strato2_3095_82743_L_0
  34 D   6.326     -1.5391E-03   163.9       31.63       163.9       81.93          ACTIVE   0.000      -6.600      0.000       1.000       1.000
31.63       0.000       0.000     Strato2_3095_82743_L_0
  35 D   6.532     -1.3621E-03   167.3       32.66       167.3       83.65          ACTIVE   0.000      -6.800      0.000       1.000       1.000
32.66       0.000       0.000     Strato2_3095_82743_L_0
  36 D   6.810     -1.1983E-03   171.9       34.05       171.9       85.96          ACTIVE   0.000      -7.000      0.000       1.000       1.000
34.05       0.000       0.000     Strato2_3095_82743_L_0
  37 D   7.017     -1.0476E-03   175.4       35.09       175.4       87.69          ACTIVE   0.000      -7.200      0.000       1.000       1.000
35.09       0.000       0.000     Strato2_3095_82743_L_0
  38 D   7.293     -9.0973E-04   180.0       36.46       180.0       89.99          ACTIVE   0.000      -7.400      0.000       1.000       1.000
36.46       0.000       0.000     Strato2_3095_82743_L_0
  39 D   7.490     -7.8425E-04   183.3       37.45       183.3       91.63          ACTIVE   0.000      -7.600      0.000       1.000       1.000
37.45       0.000       0.000     Strato2_3095_82743_L_0
  40 D   7.914     -6.7075E-04   187.8       39.57       187.8       93.91           UL-RL   6.6201E+04 -7.800      0.000       1.000       1.000
39.57       0.000       0.000     Strato2_3095_82743_L_0
  41 D   9.688     -5.6870E-04   191.3       48.44       191.3       95.67           UL-RL   6.6201E+04 -8.000      0.000       1.000       1.000
48.44       0.000       0.000     Strato2_3095_82743_L_0
  42 D   11.41     -4.7748E-04   195.9       57.04       195.9       97.94           UL-RL   6.6201E+04 -8.200      0.000       1.000       1.000
57.04       0.000       0.000     Strato2_3095_82743_L_0
  43 D   12.89     -3.9643E-04   199.4       64.43       199.4       99.71           UL-RL   6.6201E+04 -8.400      0.000       1.000       1.000
64.43       0.000       0.000     Strato2_3095_82743_L_0
  44 D   14.33     -3.2481E-04   203.9       71.63       203.9       102.0           UL-RL   6.6201E+04 -8.600      0.000       1.000       1.000
71.63       0.000       0.000     Strato2_3095_82743_L_0
  45 D   15.55     -2.6187E-04   207.5       77.74       207.5       103.7           UL-RL   6.6201E+04 -8.800      0.000       1.000       1.000
77.74       0.000       0.000     Strato2_3095_82743_L_0
  46 D   16.74     -2.0683E-04   211.8       83.68       211.8       105.9           UL-RL   6.6201E+04 -9.000      0.000       1.000       1.000
83.68       0.000       0.000     Strato2_3095_82743_L_0
  47 D   17.75     -1.5891E-04   215.4       88.74       215.4       107.7           UL-RL   6.6201E+04 -9.200      0.000       1.000       1.000
88.74       0.000       0.000     Strato2_3095_82743_L_0
  48 D   18.76     -1.1732E-04   219.8       93.81       219.8       109.9           UL-RL   6.6201E+04 -9.400      0.000       1.000       1.000
93.81       0.000       0.000     Strato2_3095_82743_L_0
  49 D   19.61     -8.1310E-05   223.4       98.04       223.4       111.7           UL-RL   6.6201E+04 -9.600      0.000       1.000       1.000
98.04       0.000       0.000     Strato2_3095_82743_L_0
  50 D   20.47     -5.0143E-05   227.9       102.4       227.9       113.9           UL-RL   6.6201E+04 -9.800      0.000       1.000       1.000
102.4       0.000       0.000     Strato2_3095_82743_L_0
  51 D   21.19     -2.3116E-05   231.5       106.0       231.5       115.7           UL-RL   6.6201E+04 -10.00      0.000       1.000       1.000
106.0       0.000       0.000     Strato2_3095_82743_L_0
  52 D   21.95      4.3254E-07   235.9       109.8       235.9       118.0           UL-RL   6.6201E+04 -10.20      0.000       1.000       1.000
109.8       0.000       0.000     Strato2_3095_82743_L_0
  53 D   22.59      2.1118E-05   239.6       112.9       239.6       119.8           UL-RL   6.6201E+04 -10.40      0.000       1.000       1.000
112.9       0.000       0.000     Strato2_3095_82743_L_0
  54 D   23.25      3.9508E-05   243.8       116.3       243.8       121.9           UL-RL   6.6201E+04 -10.60      0.000       1.000       1.000
116.3       0.000       0.000     Strato2_3095_82743_L_0
  55 D   23.83      5.6114E-05   247.5       119.2       247.5       123.7           UL-RL   6.6201E+04 -10.80      0.000       1.000       1.000
119.2       0.000       0.000     Strato2_3095_82743_L_0
  56 D   24.47      7.1389E-05   251.9       122.4       251.9       125.9           UL-RL   6.6201E+04 -11.00      0.000       1.000       1.000
122.4       0.000       0.000     Strato2_3095_82743_L_0
  57 D   25.02      8.5725E-05   255.5       125.1       255.5       127.8           UL-RL   6.6201E+04 -11.20      0.000       1.000       1.000
125.1       0.000       0.000     Strato2_3095_82743_L_0
  58 D   25.64      9.9448E-05   259.9       128.2       259.9       130.0           UL-RL   6.6201E+04 -11.40      0.000       1.000       1.000
128.2       0.000       0.000     Strato2_3095_82743_L_0
  59 D   26.17      1.1282E-04   263.6       130.9       263.6       131.8           UL-RL   6.6201E+04 -11.60      0.000       1.000       1.000
130.9       0.000       0.000     Strato2_3095_82743_L_0
  60 D   26.78      1.2602E-04   267.9       133.9       267.9       134.0           UL-RL   6.6201E+04 -11.80      0.000       1.000       1.000
133.9       0.000       0.000     Strato2_3095_82743_L_0
  61 D   13.60      1.3917E-04   271.5       136.0       271.5       136.0             V-C   2.2067E+04 -12.00      0.000       1.000       1.000
136.0       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                       NewProject.BaseDesignSection_28.A2M2R1_3514                                                         |
 |                                  Exe Time :29 July 2019      18:02:27                                                                     |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16 D	1.154	6.7256E-03	1.900	5.772	57.00	36.64	PASSIVE	0.000	-3.000	0.000	1.000	1.000
5.772	0.000	0.000	Strato1_2_8_L_0									
17 D	3.463	6.3630E-03	5.700	17.32	60.80	38.35	PASSIVE	0.000	-3.200	0.000	1.000	1.000
17.32	0.000	0.000	Strato1_2_8_L_0									
18 D	5.772	6.0056E-03	9.500	28.86	64.60	40.08	PASSIVE	0.000	-3.400	0.000	1.000	1.000
28.86	0.000	0.000	Strato1_2_8_L_0									
19 D	8.081	5.6541E-03	13.30	40.41	68.40	41.80	PASSIVE	0.000	-3.600	0.000	1.000	1.000
40.41	0.000	0.000	Strato1_2_8_L_0									
20 D	10.39	5.3093E-03	17.10	51.95	72.20	51.95	PASSIVE	0.000	-3.800	0.000	1.000	1.000
51.95	0.000	0.000	Strato1_2_8_L_0									
21 D	12.70	4.9720E-03	20.90	63.49	76.00	63.49	PASSIVE	0.000	-4.000	0.000	1.000	1.000
63.49	0.000	0.000	Strato1_2_8_L_0									
22 D	15.01	4.6429E-03	24.70	75.04	79.80	75.04	PASSIVE	0.000	-4.200	0.000	1.000	1.000
75.04	0.000	0.000	Strato1_2_8_L_0									
23 D	15.21	4.3228E-03	28.50	76.03	83.60	76.03	V-C	6730.	-4.400	0.000	1.000	1.000
76.03	0.000	0.000	Strato1_2_8_L_0									
24 D	15.16	4.0122E-03	32.30	75.81	87.40	75.81	V-C	6730.	-4.600	0.000	1.000	1.000
75.81	0.000	0.000	Strato1_2_8_L_0									
25 D	15.13	3.7118E-03	36.10	75.67	91.20	75.67	V-C	6730.	-4.800	0.000	1.000	1.000
75.67	0.000	0.000	Strato1_2_8_L_0									
26 D	15.12	3.4221E-03	39.90	75.60	95.00	75.60	V-C	6730.	-5.000	0.000	1.000	1.000
75.60	0.000	0.000	Strato1_2_8_L_0									
27 D	15.12	3.1436E-03	43.70	75.61	98.80	75.61	V-C	6730.	-5.200	0.000	1.000	1.000
75.61	0.000	0.000	Strato1_2_8_L_0									
28 D	15.14	2.8767E-03	47.50	75.71	102.6	75.71	V-C	6730.	-5.400	0.000	1.000	1.000
75.71	0.000	0.000	Strato1_2_8_L_0									
29 D	15.18	2.6219E-03	51.30	75.89	106.4	75.89	V-C	6730.	-5.600	0.000	1.000	1.000
75.89	0.000	0.000	Strato1_2_8_L_0									
30 D	15.23	2.3795E-03	55.10	76.16	110.2	76.16	V-C	6730.	-5.800	0.000	1.000	1.000
76.16	0.000	0.000	Strato1_2_8_L_0									
31 D	15.31	2.1497E-03	58.90	76.53	114.0	76.53	V-C	6730.	-6.000	0.000	1.000	1.000
76.53	0.000	0.000	Strato1_2_8_L_0									
32 D	17.28	1.9330E-03	62.80	86.40	117.9	86.40	V-C	1.5155E+04	-6.200	0.000	1.000	1.000
86.40	0.000	0.000	Strato2_3095_82743_L_0									
33 D	17.03	1.7294E-03	66.80	85.14	121.9	85.14	V-C	1.5155E+04	-6.400	0.000	1.000	1.000
85.14	0.000	0.000	Strato2_3095_82743_L_0									
34 D	16.82	1.5391E-03	70.80	84.10	125.9	84.10	V-C	1.5155E+04	-6.600	0.000	1.000	1.000
84.10	0.000	0.000	Strato2_3095_82743_L_0									
35 D	16.65	1.3621E-03	74.80	83.27	129.9	83.27	V-C	1.5155E+04	-6.800	0.000	1.000	1.000
83.27	0.000	0.000	Strato2_3095_82743_L_0									
36 D	16.53	1.1983E-03	78.80	82.66	133.9	82.66	V-C	1.5155E+04	-7.000	0.000	1.000	1.000
82.66	0.000	0.000	Strato2_3095_82743_L_0									
37 D	16.45	1.0476E-03	82.80	82.25	137.9	82.25	V-C	1.5155E+04	-7.200	0.000	1.000	1.000
82.25	0.000	0.000	Strato2_3095_82743_L_0									
38 D	16.41	9.0973E-04	86.80	82.06	141.9	82.06	V-C	1.5155E+04	-7.400	0.000	1.000	1.000
82.06	0.000	0.000	Strato2_3095_82743_L_0									
39 D	16.41	7.8425E-04	90.80	82.07	145.9	82.07	V-C	1.5155E+04	-7.600	0.000	1.000	1.000
82.07	0.000	0.000	Strato2_3095_82743_L_0									
40 D	16.46	6.7075E-04	94.80	82.28	149.9	82.28	V-C	1.5155E+04	-7.800	0.000	1.000	1.000
82.28	0.000	0.000	Strato2_3095_82743_L_0									

41 D	16.53	5.6870E-04	98.80	82.66	153.9	82.66	V-C	1.5155E+04	-8.000	0.000	1.000	1.000
82.66	0.000	0.000	Strato2_3095_82743_L_0									
42 D	16.65	4.7748E-04	102.8	83.23	157.9	83.23	V-C	1.5155E+04	-8.200	0.000	1.000	1.000
83.23	0.000	0.000	Strato2_3095_82743_L_0									
43 D	16.49	3.9643E-04	106.8	82.46	161.9	84.71	UL-RL	4.5465E+04	-8.400	0.000	1.000	1.000
82.46	0.000	0.000	Strato2_3095_82743_L_0									
44 D	16.26	3.2481E-04	110.8	81.28	165.9	86.62	UL-RL	4.5465E+04	-8.600	0.000	1.000	1.000
81.28	0.000	0.000	Strato2_3095_82743_L_0									
45 D	16.10	2.6187E-04	114.8	80.50	169.9	88.54	UL-RL	4.5465E+04	-8.800	0.000	1.000	1.000
80.50	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.01	2.0683E-04	118.8	80.07	173.9	90.48	UL-RL	4.5465E+04	-9.000	0.000	1.000	1.000
80.07	0.000	0.000	Strato2_3095_82743_L_0									
47 D	15.99	1.5891E-04	122.8	79.97	177.9	92.42	UL-RL	4.5465E+04	-9.200	0.000	1.000	1.000
79.97	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.03	1.1732E-04	126.8	80.15	181.9	94.38	UL-RL	4.5465E+04	-9.400	0.000	1.000	1.000
80.15	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.12	8.1310E-05	130.8	80.59	185.9	96.34	UL-RL	4.5465E+04	-9.600	0.000	1.000	1.000
80.59	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.25	5.0143E-05	134.8	81.24	189.9	98.31	UL-RL	4.5465E+04	-9.800	0.000	1.000	1.000
81.24	0.000	0.000	Strato2_3095_82743_L_0									
51 D	16.42	2.3116E-05	138.8	82.08	193.9	100.3	UL-RL	4.5465E+04	-10.00	0.000	1.000	1.000
82.08	0.000	0.000	Strato2_3095_82743_L_0									
52 D	16.61	-4.3254E-07	142.8	83.07	197.9	102.3	UL-RL	4.5465E+04	-10.20	0.000	1.000	1.000
83.07	0.000	0.000	Strato2_3095_82743_L_0									
53 D	16.84	-2.1118E-05	146.8	84.19	201.9	104.2	UL-RL	4.5465E+04	-10.40	0.000	1.000	1.000
84.19	0.000	0.000	Strato2_3095_82743_L_0									
54 D	17.08	-3.9508E-05	150.8	85.41	205.9	106.2	UL-RL	4.5465E+04	-10.60	0.000	1.000	1.000
85.41	0.000	0.000	Strato2_3095_82743_L_0									
55 D	17.34	-5.6114E-05	154.8	86.72	209.9	108.2	UL-RL	4.5465E+04	-10.80	0.000	1.000	1.000
86.72	0.000	0.000	Strato2_3095_82743_L_0									
56 D	17.62	-7.1389E-05	158.8	88.08	213.9	110.2	UL-RL	4.5465E+04	-11.00	0.000	1.000	1.000
88.08	0.000	0.000	Strato2_3095_82743_L_0									
57 D	17.90	-8.5725E-05	162.8	89.48	217.9	112.2	UL-RL	4.5465E+04	-11.20	0.000	1.000	1.000
89.48	0.000	0.000	Strato2_3095_82743_L_0									
58 D	18.18	-9.9448E-05	166.8	90.88	221.9	114.2	UL-RL	4.5465E+04	-11.40	0.000	1.000	1.000
90.88	0.000	0.000	Strato2_3095_82743_L_0									
59 D	18.46	-1.1282E-04	170.8	92.29	225.9	116.2	UL-RL	4.5465E+04	-11.60	0.000	1.000	1.000
92.29	0.000	0.000	Strato2_3095_82743_L_0									
60 D	18.74	-1.2602E-04	174.8	93.70	229.9	118.2	UL-RL	4.5465E+04	-11.80	0.000	1.000	1.000
93.70	0.000	0.000	Strato2_3095_82743_L_0									
61 D	9.512	-1.3917E-04	178.8	95.12	233.9	120.3	UL-RL	4.5465E+04	-12.00	0.000	1.000	1.000
95.12	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                 |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  2.0550     -2.0550    -1.33950E-10 0.41100
    2  4.9525     -4.9525     -0.41100     1.4015
    3  7.7081     -7.7081      -1.4015     2.9431
    4  11.370     -11.370      -2.9431     5.2171
    5  15.017     -15.017      -5.2171     8.2205
    6  19.296     -19.296      -8.2205     12.080
    7  23.640     -23.640      -12.080     16.808
    8  28.509     -28.509      -16.808     22.509
    9  33.425     -33.425      -22.509     29.194
   10  38.817     -38.817      -29.194     36.958
   11  44.358     -44.358      -36.958     45.829
   12  50.337     -50.337      -45.829     55.897
   13  56.486     -56.486      -55.897     67.194
   14  63.047     -63.047      -67.194     79.803
   15  69.792     -69.792      -79.803     93.762
   16  75.742     -75.742      -93.762     108.91
   17  79.580     -79.580      -108.91     124.83
   18  81.493     -81.493      -124.83     141.13
   19  81.304     -81.304      -141.13     157.39
   20  79.178     -79.178      -157.39     173.22
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21	74.956	-74.956	-173.22	188.21
22	68.790	-68.790	-188.21	201.97
23	62.643	-62.643	-201.97	214.50
24	56.874	-56.874	-214.50	225.87
25	51.358	-51.358	-225.87	236.15
26	46.208	-46.208	-236.15	245.39
27	41.284	-41.284	-245.39	253.64
28	36.688	-36.688	-253.64	260.98
29	32.289	-32.289	-260.98	267.44
30	28.177	-28.177	-267.44	273.07
31	24.210	-24.210	-273.07	277.92
32	12.772	-12.772	-277.92	280.47
33	1.7891	-1.7891	-280.47	280.83
34	-8.7043	8.7043	-280.83	279.09
35	-18.826	18.826	-279.09	275.32
36	-28.548	28.548	-275.32	269.61
37	-37.981	37.981	-269.61	262.02
38	-47.101	47.101	-262.02	252.60
39	-56.025	56.025	-252.60	241.39
40	-64.566	64.566	-241.39	228.48
41	-71.411	71.411	-228.48	214.20
42	-76.648	76.648	-214.20	198.87
43	-80.254	80.254	-198.87	182.82
44	-82.183	82.183	-182.82	166.38
45	-82.734	82.734	-166.38	149.83
46	-82.012	82.012	-149.83	133.43
47	-80.257	80.257	-133.43	117.38
48	-77.526	77.526	-117.38	101.87
49	-74.036	74.036	-101.87	87.067
50	-69.811	69.811	-87.067	73.105
51	-65.032	65.032	-73.105	60.098
52	-59.695	59.695	-60.098	48.160
53	-53.947	53.947	-48.160	37.370
54	-47.776	47.776	-37.370	27.815
55	-41.285	41.285	-27.815	19.558
56	-34.428	34.428	-19.558	12.672
57	-27.303	27.303	-12.672	7.2118
58	-19.843	19.843	-7.2118	3.2432
59	-12.127	12.127	-3.2432	0.81768
60	-4.0882	4.0882	-0.81768	1.72834E-12

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                  Exe Time :29 July 2019      18:02:27                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3716E+06 RIMNOR=0.3269E+07
           RENORM= 8234.     REMNOR=0.1341E-18 RATIO =0.1489     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 280.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3716E+06 RDR   =0.3269E+07
           RATIOT=0.1489     RATIOR= 0.000
           MAX UN=0.3216E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-90.74     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3716E+06 RIMNOR=0.3269E+07
           RENORM= 14.95     REMNOR=0.9362E-19 RATIO =0.6344E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 280.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3716E+06 RDR   =0.3269E+07
           RATIOT=0.6344E-02 RATIOR= 0.000
           MAX UN=0.9334E-09 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-1.654     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3716E+06 RIMNOR=0.3269E+07
           RENORM=0.5121     REMNOR=0.6274E-19 RATIO =0.1174E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 280.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3716E+06 RDR   =0.3269E+07
           RATIOT=0.1174E-02 RATIOR= 0.000
           MAX UN=0.4676E-01 IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-.5757     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3716E+06 RIMNOR=0.3269E+07
           RENORM=0.3907E-16 REMNOR=0.1117E-18 RATIO =0.1025E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 90.74     RMMAX = 280.8
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3716E+06 RDR   =0.3269E+07
           RATIOT=0.1025E-10 RATIOR= 0.000
           MAX UN=0.2658E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3113E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                  Exe Time :29 July 2019      18:02:27                                                   |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    4     ( AT TIME   4.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.1217615E-02  -1.7642928E-03
    2   1.0864762E-02  -1.7642076E-03
    3   1.0511953E-02  -1.7638196E-03
    4   1.0159272E-02  -1.7628695E-03
    5   9.8068609E-03  -1.7610773E-03
    6   9.4549176E-03  -1.7581384E-03
    7   9.1037033E-03  -1.7537321E-03
    8   8.7535452E-03  -1.7475192E-03
    9   8.4048397E-03  -1.7391448E-03
   10   8.0580561E-03  -1.7282396E-03
   11   7.7137381E-03  -1.7144209E-03
   12   7.3725085E-03  -1.6972900E-03
   13   7.0350706E-03  -1.6764329E-03
   14   6.7020688E-03  -1.6535745E-03
   15   6.3736602E-03  -1.6304251E-03
   16   6.0499487E-03  -1.6065258E-03
   17   5.7311311E-03  -1.5814079E-03
   18   5.4174975E-03  -1.5546110E-03
   19   5.1094247E-03  -1.5257433E-03
   20   4.8073567E-03  -1.4945272E-03
   21   4.5117814E-03  -1.4607985E-03
   22   4.2232082E-03  -1.4245069E-03
   23   3.9421453E-03  -1.3857150E-03
   24   3.6690805E-03  -1.3445476E-03
   25   3.4044758E-03  -1.3011364E-03
   26   3.1487668E-03  -1.2556132E-03
   27   2.9023638E-03  -1.2081101E-03
   28   2.6656473E-03  -1.1587581E-03
   29   2.4389750E-03  -1.1076890E-03
   30   2.2226774E-03  -1.0550338E-03
   31   2.0170585E-03  -1.0009237E-03
   32   1.8223971E-03  -9.4549003E-04
   33   1.6389331E-03  -8.8901173E-04
   34   1.4668337E-03  -8.3191474E-04
   35   1.3061802E-03  -7.7462267E-04
   36   1.1569695E-03  -7.1755700E-04
   37   1.0191150E-03  -6.6113752E-04
   38   8.9244432E-04  -6.0578136E-04
   39   7.7670381E-04  -5.5190499E-04
   40   6.7155600E-04  -4.9992359E-04
   41   5.7658064E-04  -4.5024810E-04
   42   4.9127846E-04  -4.0324713E-04
   43   4.1508381E-04  -3.5921591E-04
   44   3.4737910E-04  -3.1837958E-04
   45   2.8750905E-04  -2.8089158E-04
   46   2.3479394E-04  -2.4683598E-04
   47   1.8854419E-04  -2.1623732E-04
   48   1.4807044E-04  -1.8906735E-04
   49   1.1269364E-04  -1.6525160E-04
   50   8.1753980E-05  -1.4467540E-04
   51   5.4617664E-05  -1.2718879E-04
   52   3.0683942E-05  -1.1261124E-04
   53   9.3933773E-06  -1.0073705E-04
   54  -9.7745508E-06  -9.1334175E-05
   55  -2.7288356E-05  -8.4152239E-05
   56  -4.3565539E-05  -7.8921687E-05
   57  -5.8968001E-05  -7.5355688E-05
   58  -7.3798584E-05  -7.3151242E-05
   59  -8.8298036E-05  -7.1989877E-05
   60  -1.0264183E-04  -7.1537926E-05
   61  -1.1693797E-04  -7.1446755E-05
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|                  PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                           |
|                                   NewProject.BaseDesignSection_28.A2M2R1_3514                             |
|                                Exe Time :29 July 2019      18:02:27                                       |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      4.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	3.588	-1.1218E-02	54.80	35.88	54.80	35.88	V-C	7951.	0.000	0.000	1.000	1.000	35.88	0.000	0.000	Strato1_2_8_L_0
2 D	5.578	-1.0865E-02	38.63	27.89	38.63	27.89	V-C	7951.	-0.2000	0.000	1.000	1.000	27.89	0.000	0.000	Strato1_2_8_L_0
3 D	5.345	-1.0512E-02	36.74	26.73	36.74	26.73	V-C	7951.	-0.4000	0.000	1.000	1.000	26.73	0.000	0.000	Strato1_2_8_L_0
4 D	6.449	-1.0159E-02	48.83	32.25	48.83	32.25	V-C	7951.	-0.6000	0.000	1.000	1.000	32.25	0.000	0.000	Strato1_2_8_L_0
5 D	6.378	-9.8069E-03	48.63	31.89	48.63	31.89	V-C	7951.	-0.8000	0.000	1.000	1.000	31.89	0.000	0.000	Strato1_2_8_L_0
6 D	7.132	-9.4549E-03	57.05	35.66	57.05	35.66	V-C	7951.	-1.000	0.000	1.000	1.000	35.66	0.000	0.000	Strato1_2_8_L_0
7 D	7.162	-9.1037E-03	57.92	35.81	57.92	35.81	V-C	7951.	-1.200	0.000	1.000	1.000	35.81	0.000	0.000	Strato1_2_8_L_0
8 D	7.778	-8.7535E-03	64.92	38.89	64.92	38.89	V-C	7951.	-1.400	0.000	1.000	1.000	38.89	0.000	0.000	Strato1_2_8_L_0
9 D	7.783	-8.4048E-03	65.55	38.92	65.55	38.92	V-C	7951.	-1.600	0.000	1.000	1.000	38.92	0.000	0.000	Strato1_2_8_L_0
10 D	8.334	-8.0581E-03	71.89	41.67	71.89	41.67	V-C	7951.	-1.800	0.000	1.000	1.000	41.67	0.000	0.000	Strato1_2_8_L_0
11 D	8.466	-7.7137E-03	73.88	42.33	73.88	42.33	V-C	7951.	-2.000	0.000	1.000	1.000	42.33	0.000	0.000	Strato1_2_8_L_0
12 D	8.966	-7.3725E-03	79.73	44.83	79.73	44.83	V-C	7951.	-2.200	0.000	1.000	1.000	44.83	0.000	0.000	Strato1_2_8_L_0
13 D	9.119	-7.0351E-03	81.98	45.59	81.98	45.59	V-C	7951.	-2.400	0.000	1.000	1.000	45.59	0.000	0.000	Strato1_2_8_L_0
14 D	9.581	-6.7021E-03	87.49	47.90	87.49	47.90	V-C	7951.	-2.600	0.000	1.000	1.000	47.90	0.000	0.000	Strato1_2_8_L_0
15 D	9.747	-6.3737E-03	89.93	48.74	89.93	48.74	V-C	7951.	-2.800	0.000	1.000	1.000	48.74	0.000	0.000	Strato1_2_8_L_0
16 D	10.14	-6.0499E-03	94.72	50.68	94.72	50.68	V-C	7951.	-3.000	0.000	1.000	1.000	50.68	0.000	0.000	Strato1_2_8_L_0
17 D	10.32	-5.7311E-03	97.35	51.58	97.35	51.60	UL-RL	2.3853E+04	-3.200	0.000	1.000	1.000	51.58	0.000	0.000	Strato1_2_8_L_0
18 D	10.49	-5.4175E-03	102.5	52.46	102.5	54.31	UL-RL	2.3853E+04	-3.400	0.000	1.000	1.000	52.46	0.000	0.000	Strato1_2_8_L_0
19 D	10.49	-5.1094E-03	105.2	52.45	105.2	55.77	UL-RL	2.3853E+04	-3.600	0.000	1.000	1.000	52.45	0.000	0.000	Strato1_2_8_L_0
20 D	10.66	-4.8074E-03	110.2	53.29	110.2	58.40	UL-RL	2.3853E+04	-3.800	0.000	1.000	1.000	53.29	0.000	0.000	Strato1_2_8_L_0
21 D	10.67	-4.5118E-03	113.0	53.36	113.0	59.91	UL-RL	2.3853E+04	-4.000	0.000	1.000	1.000	53.36	0.000	0.000	Strato1_2_8_L_0
22 D	10.84	-4.2232E-03	117.9	54.22	117.9	62.48	UL-RL	2.3853E+04	-4.200	0.000	1.000	1.000	54.22	0.000	0.000	Strato1_2_8_L_0
23 D	10.88	-3.9421E-03	120.8	54.38	120.8	64.03	UL-RL	2.3853E+04	-4.400	0.000	1.000	1.000	54.38	0.000	0.000	Strato1_2_8_L_0
24 D	11.03	-3.6691E-03	125.2	55.15	125.2	66.38	UL-RL	2.3853E+04	-4.600	0.000	1.000	1.000	55.15	0.000	0.000	Strato1_2_8_L_0
25 D	11.08	-3.4045E-03	128.2	55.42	128.2	67.97	UL-RL	2.3853E+04	-4.800	0.000	1.000	1.000	55.42	0.000	0.000	Strato1_2_8_L_0
26 D	11.27	-3.1488E-03	132.9	56.37	132.9	70.45	UL-RL	2.3853E+04	-5.000	0.000	1.000	1.000	56.37	0.000	0.000	Strato1_2_8_L_0
27 D	11.35	-2.9024E-03	136.0	56.75	136.0	72.08	UL-RL	2.3853E+04	-5.200	0.000	1.000	1.000	56.75	0.000	0.000	Strato1_2_8_L_0
28 D	11.55	-2.6656E-03	140.6	57.76	140.6	74.52	UL-RL	2.3853E+04	-5.400	0.000	1.000	1.000	57.76	0.000	0.000	Strato1_2_8_L_0
29 D	11.65	-2.4390E-03	143.7	58.26	143.7	76.17	UL-RL	2.3853E+04	-5.600	0.000	1.000	1.000	58.26	0.000	0.000	Strato1_2_8_L_0
30 D	11.87	-2.2227E-03	148.3	59.34	148.3	78.59	UL-RL	2.3853E+04	-5.800	0.000	1.000	1.000				

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59.34       0.000       0.000     Strato1_2_8_L_0
  31 D   11.97     -2.0171E-03   151.2       59.86       151.2       80.13          UL-RL  2.3853E+04  -6.000       0.000       1.000       1.000
59.86       0.000       0.000     Strato1_2_8_L_0
  32 D   7.306     -1.8224E-03   155.8       36.53       155.8       77.90          UL-RL  6.6201E+04  -6.200       0.000       1.000       1.000
36.53       0.000       0.000     Strato2_3095_82743_L_0
  33 D   7.243     -1.6389E-03   159.2       36.22       159.2       79.60          UL-RL  6.6201E+04  -6.400       0.000       1.000       1.000
36.22       0.000       0.000     Strato2_3095_82743_L_0
  34 D   7.283     -1.4668E-03   163.9       36.41       163.9       81.93          UL-RL  6.6201E+04  -6.600       0.000       1.000       1.000
36.41       0.000       0.000     Strato2_3095_82743_L_0
  35 D   7.272     -1.3062E-03   167.3       36.36       167.3       83.65          UL-RL  6.6201E+04  -6.800       0.000       1.000       1.000
36.36       0.000       0.000     Strato2_3095_82743_L_0
  36 D   7.357     -1.1570E-03   171.9       36.79       171.9       85.96          UL-RL  6.6201E+04  -7.000       0.000       1.000       1.000
36.79       0.000       0.000     Strato2_3095_82743_L_0
  37 D   7.395     -1.0191E-03   175.4       36.97       175.4       87.69          UL-RL  6.6201E+04  -7.200       0.000       1.000       1.000
36.97       0.000       0.000     Strato2_3095_82743_L_0
  38 D   7.522     -8.9244E-04   180.0       37.61       180.0       89.99          UL-RL  6.6201E+04  -7.400       0.000       1.000       1.000
37.61       0.000       0.000     Strato2_3095_82743_L_0
  39 D   7.590     -7.7670E-04   183.3       37.95       183.3       91.63          UL-RL  6.6201E+04  -7.600       0.000       1.000       1.000
37.95       0.000       0.000     Strato2_3095_82743_L_0
  40 D   7.904     -6.7156E-04   187.8       39.52       187.8       93.91          UL-RL  6.6201E+04  -7.800       0.000       1.000       1.000
39.52       0.000       0.000     Strato2_3095_82743_L_0
  41 D   9.583     -5.7658E-04   191.3       47.92       191.3       95.67          UL-RL  6.6201E+04  -8.000       0.000       1.000       1.000
47.92       0.000       0.000     Strato2_3095_82743_L_0
  42 D   11.23     -4.9128E-04   195.9       56.13       195.9       97.94          UL-RL  6.6201E+04  -8.200       0.000       1.000       1.000
56.13       0.000       0.000     Strato2_3095_82743_L_0
  43 D   12.64     -4.1508E-04   199.4       63.19       199.4       99.71          UL-RL  6.6201E+04  -8.400       0.000       1.000       1.000
63.19       0.000       0.000     Strato2_3095_82743_L_0
  44 D   14.03     -3.4738E-04   203.9       70.14       203.9       102.0          UL-RL  6.6201E+04  -8.600       0.000       1.000       1.000
70.14       0.000       0.000     Strato2_3095_82743_L_0
  45 D   15.21     -2.8751E-04   207.5       76.05       207.5       103.7          UL-RL  6.6201E+04  -8.800       0.000       1.000       1.000
76.05       0.000       0.000     Strato2_3095_82743_L_0
  46 D   16.37     -2.3479E-04   211.8       81.83       211.8       105.9          UL-RL  6.6201E+04  -9.000       0.000       1.000       1.000
81.83       0.000       0.000     Strato2_3095_82743_L_0
  47 D   17.36     -1.8854E-04   215.4       86.78       215.4       107.7          UL-RL  6.6201E+04  -9.200       0.000       1.000       1.000
86.78       0.000       0.000     Strato2_3095_82743_L_0
  48 D   18.35     -1.4807E-04   219.8       91.77       219.8       109.9          UL-RL  6.6201E+04  -9.400       0.000       1.000       1.000
91.77       0.000       0.000     Strato2_3095_82743_L_0
  49 D   19.19     -1.1269E-04   223.4       95.96       223.4       111.7          UL-RL  6.6201E+04  -9.600       0.000       1.000       1.000
95.96       0.000       0.000     Strato2_3095_82743_L_0
  50 D   20.05     -8.1754E-05   227.9       100.3       227.9       113.9          UL-RL  6.6201E+04  -9.800       0.000       1.000       1.000
100.3       0.000       0.000     Strato2_3095_82743_L_0
  51 D   20.78     -5.4618E-05   231.5       103.9       231.5       115.7          UL-RL  6.6201E+04  -10.00       0.000       1.000       1.000
103.9       0.000       0.000     Strato2_3095_82743_L_0
  52 D   21.54     -3.0684E-05   235.9       107.7       235.9       118.0          UL-RL  6.6201E+04  -10.20       0.000       1.000       1.000
107.7       0.000       0.000     Strato2_3095_82743_L_0
  53 D   22.18     -9.3934E-06   239.6       110.9       239.6       119.8          UL-RL  6.6201E+04  -10.40       0.000       1.000       1.000
110.9       0.000       0.000     Strato2_3095_82743_L_0
  54 D   22.86      9.7746E-06   243.8       114.3       243.8       121.9          UL-RL  6.6201E+04  -10.60       0.000       1.000       1.000
114.3       0.000       0.000     Strato2_3095_82743_L_0
  55 D   23.45      2.7288E-05   247.5       117.3       247.5       123.7          UL-RL  6.6201E+04  -10.80       0.000       1.000       1.000
117.3       0.000       0.000     Strato2_3095_82743_L_0
  56 D   24.10      4.3566E-05   251.9       120.5       251.9       125.9          UL-RL  6.6201E+04  -11.00       0.000       1.000       1.000
120.5       0.000       0.000     Strato2_3095_82743_L_0
  57 D   24.67      5.8968E-05   255.5       123.3       255.5       127.8          UL-RL  6.6201E+04  -11.20       0.000       1.000       1.000
123.3       0.000       0.000     Strato2_3095_82743_L_0
  58 D   25.30      7.3799E-05   259.9       126.5       259.9       130.0          UL-RL  6.6201E+04  -11.40       0.000       1.000       1.000
126.5       0.000       0.000     Strato2_3095_82743_L_0
  59 D   25.85      8.8298E-05   263.6       129.2       263.6       131.8          UL-RL  6.6201E+04  -11.60       0.000       1.000       1.000
129.2       0.000       0.000     Strato2_3095_82743_L_0
  60 D   26.47      1.0264E-04   267.9       132.3       267.9       134.0          UL-RL  6.6201E+04  -11.80       0.000       1.000       1.000
132.3       0.000       0.000     Strato2_3095_82743_L_0
  61 D   13.45      1.1694E-04   271.5       134.5       271.5       136.0          UL-RL  6.6201E+04  -12.00       0.000       1.000       1.000
134.5       0.000       0.000     Strato2_3095_82743_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                                          |
 |                                  Exe Time :29 July 2019      18:02:27                                                                     |
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 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000	0.000	0.000	0.000	not available
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000	0.000	0.000	0.000	not available
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000	0.000	0.000	0.000	not available
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000	0.000	0.000	not available
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000	0.000	not available
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000	0.000	not available
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000	0.000	not available
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000	0.000	not available
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000	0.000	not available
16 D	0.1425	6.0499E-03	1.900	0.7125	57.00	36.64	ACTIVE	0.000	-3.000	0.000	1.000	1.000	0.7125	0.000	0.000	Strato1_2_8_L_0
17 D	0.9119	5.7311E-03	5.700	4.559	60.80	38.35	UL-RL	2.0189E+04	-3.200	0.000	1.000	1.000	4.559	0.000	0.000	Strato1_2_8_L_0
18 D	3.398	5.4175E-03	9.500	16.99	64.60	40.08	UL-RL	2.0189E+04	-3.400	0.000	1.000	1.000	16.99	0.000	0.000	Strato1_2_8_L_0
19 D	5.882	5.1094E-03	13.30	29.41	68.40	41.80	UL-RL	2.0189E+04	-3.600	0.000	1.000	1.000	29.41	0.000	0.000	Strato1_2_8_L_0
20 D	8.363	4.8074E-03	17.10	41.82	72.20	51.95	UL-RL	2.0189E+04	-3.800	0.000	1.000	1.000	41.82	0.000	0.000	Strato1_2_8_L_0
21 D	10.84	4.5118E-03	20.90	54.20	76.00	63.49	UL-RL	2.0189E+04	-4.000	0.000	1.000	1.000	54.20	0.000	0.000	Strato1_2_8_L_0
22 D	13.31	4.2232E-03	24.70	66.56	79.80	75.04	UL-RL	2.0189E+04	-4.200	0.000	1.000	1.000	66.56	0.000	0.000	Strato1_2_8_L_0
23 D	13.67	3.9421E-03	28.50	68.35	83.60	76.03	UL-RL	2.0189E+04	-4.400	0.000	1.000	1.000	68.35	0.000	0.000	Strato1_2_8_L_0
24 D	13.78	3.6691E-03	32.30	68.89	87.40	75.81	UL-RL	2.0189E+04	-4.600	0.000	1.000	1.000	68.89	0.000	0.000	Strato1_2_8_L_0
25 D	13.89	3.4045E-03	36.10	69.46	91.20	75.67	UL-RL	2.0189E+04	-4.800	0.000	1.000	1.000	69.46	0.000	0.000	Strato1_2_8_L_0
26 D	14.02	3.1488E-03	39.90	70.08	95.00	75.60	UL-RL	2.0189E+04	-5.000	0.000	1.000	1.000	70.08	0.000	0.000	Strato1_2_8_L_0
27 D	14.15	2.9024E-03	43.70	70.74	98.80	75.61	UL-RL	2.0189E+04	-5.200	0.000	1.000	1.000	70.74	0.000	0.000	Strato1_2_8_L_0
28 D	14.29	2.6656E-03	47.50	71.45	102.6	75.71	UL-RL	2.0189E+04	-5.400	0.000	1.000	1.000	71.45	0.000	0.000	Strato1_2_8_L_0
29 D	14.44	2.4390E-03	51.30	72.20	106.4	75.89	UL-RL	2.0189E+04	-5.600	0.000	1.000	1.000	72.20	0.000	0.000	Strato1_2_8_L_0
30 D	14.60	2.2227E-03	55.10	73.00	110.2	76.16	UL-RL	2.0189E+04	-5.800	0.000	1.000	1.000	73.00	0.000	0.000	Strato1_2_8_L_0
31 D	14.77	2.0171E-03	58.90	73.85	114.0	76.53	UL-RL	2.0189E+04	-6.000	0.000	1.000	1.000	73.85	0.000	0.000	Strato1_2_8_L_0
32 D	16.28	1.8224E-03	62.80	81.38	117.9	86.40	UL-RL	4.5465E+04	-6.200	0.000	1.000	1.000	81.38	0.000	0.000	Strato2_3095_82743_L_0
33 D	16.21	1.6389E-03	66.80	81.03	121.9	85.14	UL-RL	4.5465E+04	-6.400	0.000	1.000	1.000	81.03	0.000	0.000	Strato2_3095_82743_L_0
34 D	16.16	1.4668E-03	70.80	80.81	125.9	84.10	UL-RL	4.5465E+04	-6.600	0.000	1.000	1.000	80.81	0.000	0.000	Strato2_3095_82743_L_0
35 D	16.15	1.3062E-03	74.80	80.73	129.9	83.27	UL-RL	4.5465E+04	-6.800	0.000	1.000	1.000	80.73	0.000	0.000	Strato2_3095_82743_L_0
36 D	16.16	1.1570E-03	78.80	80.78	133.9	82.66	UL-RL	4.5465E+04	-7.000	0.000	1.000	1.000	80.78	0.000	0.000	Strato2_3095_82743_L_0
37 D	16.19	1.0191E-03	82.80	80.96	137.9	82.25	UL-RL	4.5465E+04	-7.200	0.000	1.000	1.000	80.96	0.000	0.000	Strato2_3095_82743_L_0
38 D	16.26	8.9244E-04	86.80	81.28	141.9	82.06	UL-RL	4.5465E+04	-7.400	0.000	1.000	1.000	81.28	0.000	0.000	Strato2_3095_82743_L_0
39 D	16.35	7.7670E-04	90.80	81.73	145.9	82.07	UL-RL	4.5465E+04	-7.600	0.000	1.000	1.000	81.73	0.000	0.000	Strato2_3095_82743_L_0
40 D	16.46	6.7156E-04	94.80	82.29	149.9	82.29	V-C	1.5155E+04	-7.800	0.000	1.000	1.000	82.29	0.000	0.000	Strato2_3095_82743_L_0

41 D	16.56	5.7658E-04	98.80	82.78	153.9	82.78	V-C	1.5155E+04	-8.000	0.000	1.000	1.000
82.78	0.000	0.000	Strato2_3095_82743_L_0									
42 D	16.69	4.9128E-04	102.8	83.44	157.9	83.44	V-C	1.5155E+04	-8.200	0.000	1.000	1.000
83.44	0.000	0.000	Strato2_3095_82743_L_0									
43 D	16.66	4.1508E-04	106.8	83.30	161.9	84.71	UL-RL	4.5465E+04	-8.400	0.000	1.000	1.000
83.30	0.000	0.000	Strato2_3095_82743_L_0									
44 D	16.46	3.4738E-04	110.8	82.31	165.9	86.62	UL-RL	4.5465E+04	-8.600	0.000	1.000	1.000
82.31	0.000	0.000	Strato2_3095_82743_L_0									
45 D	16.33	2.8751E-04	114.8	81.66	169.9	88.54	UL-RL	4.5465E+04	-8.800	0.000	1.000	1.000
81.66	0.000	0.000	Strato2_3095_82743_L_0									
46 D	16.27	2.3479E-04	118.8	81.34	173.9	90.48	UL-RL	4.5465E+04	-9.000	0.000	1.000	1.000
81.34	0.000	0.000	Strato2_3095_82743_L_0									
47 D	16.26	1.8854E-04	122.8	81.32	177.9	92.42	UL-RL	4.5465E+04	-9.200	0.000	1.000	1.000
81.32	0.000	0.000	Strato2_3095_82743_L_0									
48 D	16.31	1.4807E-04	126.8	81.55	181.9	94.38	UL-RL	4.5465E+04	-9.400	0.000	1.000	1.000
81.55	0.000	0.000	Strato2_3095_82743_L_0									
49 D	16.40	1.1269E-04	130.8	82.01	185.9	96.34	UL-RL	4.5465E+04	-9.600	0.000	1.000	1.000
82.01	0.000	0.000	Strato2_3095_82743_L_0									
50 D	16.54	8.1754E-05	134.8	82.68	189.9	98.31	UL-RL	4.5465E+04	-9.800	0.000	1.000	1.000
82.68	0.000	0.000	Strato2_3095_82743_L_0									
51 D	16.70	5.4618E-05	138.8	83.51	193.9	100.3	UL-RL	4.5465E+04	-10.00	0.000	1.000	1.000
83.51	0.000	0.000	Strato2_3095_82743_L_0									
52 D	16.90	3.0684E-05	142.8	84.48	197.9	102.3	UL-RL	4.5465E+04	-10.20	0.000	1.000	1.000
84.48	0.000	0.000	Strato2_3095_82743_L_0									
53 D	17.12	9.3934E-06	146.8	85.58	201.9	104.2	UL-RL	4.5465E+04	-10.40	0.000	1.000	1.000
85.58	0.000	0.000	Strato2_3095_82743_L_0									
54 D	17.35	-9.7746E-06	150.8	86.77	205.9	106.2	UL-RL	4.5465E+04	-10.60	0.000	1.000	1.000
86.77	0.000	0.000	Strato2_3095_82743_L_0									
55 D	17.61	-2.7288E-05	154.8	88.03	209.9	108.2	UL-RL	4.5465E+04	-10.80	0.000	1.000	1.000
88.03	0.000	0.000	Strato2_3095_82743_L_0									
56 D	17.87	-4.3566E-05	158.8	89.34	213.9	110.2	UL-RL	4.5465E+04	-11.00	0.000	1.000	1.000
89.34	0.000	0.000	Strato2_3095_82743_L_0									
57 D	18.14	-5.8968E-05	162.8	90.69	217.9	112.2	UL-RL	4.5465E+04	-11.20	0.000	1.000	1.000
90.69	0.000	0.000	Strato2_3095_82743_L_0									
58 D	18.41	-7.3799E-05	166.8	92.05	221.9	114.2	UL-RL	4.5465E+04	-11.40	0.000	1.000	1.000
92.05	0.000	0.000	Strato2_3095_82743_L_0									
59 D	18.68	-8.8298E-05	170.8	93.40	225.9	116.2	UL-RL	4.5465E+04	-11.60	0.000	1.000	1.000
93.40	0.000	0.000	Strato2_3095_82743_L_0									
60 D	18.95	-1.0264E-04	174.8	94.76	229.9	118.2	UL-RL	4.5465E+04	-11.80	0.000	1.000	1.000
94.76	0.000	0.000	Strato2_3095_82743_L_0									
61 D	9.613	-1.1694E-04	178.8	96.13	233.9	120.3	UL-RL	4.5465E+04	-12.00	0.000	1.000	1.000
96.13	0.000	0.000	Strato2_3095_82743_L_0									

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:02:27                                                  |
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New Project


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1  3.5882     -3.5882     9.27913E-11 0.71764
    2  9.1663     -9.1663    -0.71764      2.5509
    3  14.512     -14.512     -2.5509      5.4532
    4  20.961     -20.961     -5.4532      9.6454
    5  27.339     -27.339     -9.6454      15.113
    6  34.471     -34.471     -15.113      22.007
    7  41.633     -41.633     -22.007      30.334
    8  49.411     -49.411     -30.334      40.216
    9  57.194     -57.194     -40.216      51.655
   10  65.528     -65.528     -51.655      64.760
   11  73.994     -73.994     -64.760      79.559
   12  82.960     -82.960     -79.559      96.151
   13  1.3396     -1.3396     -96.151      96.419
   14  10.920     -10.920     -96.419      98.603
   15  20.667     -20.667     -98.603      102.74
   16  30.661     -30.661     -102.74      108.87
   17  40.065     -40.065     -108.87      116.88
   18  47.159     -47.159     -116.88      126.31
   19  51.767     -51.767     -126.31      136.67
   20  54.063     -54.063     -136.67      147.48
```

21	53.896	-53.896	-147.48	158.26
22	51.426	-51.426	-158.26	168.54
23	48.632	-48.632	-168.54	178.27
24	45.885	-45.885	-178.27	187.45
25	43.076	-43.076	-187.45	196.06
26	40.333	-40.333	-196.06	204.13
27	37.535	-37.535	-204.13	211.64
28	34.798	-34.798	-211.64	218.60
29	32.010	-32.010	-218.60	225.00
30	29.279	-29.279	-225.00	230.85
31	26.481	-26.481	-230.85	236.15
32	17.512	-17.512	-236.15	239.65
33	8.5489	-8.5489	-239.65	241.36
34	-0.33140	0.33140	-241.36	241.30
35	-9.2049	9.2049	-241.30	239.45
36	-18.003	18.003	-239.45	235.85
37	-26.799	26.799	-235.85	230.49
38	-35.533	35.533	-230.49	223.39
39	-44.288	44.288	-223.39	214.53
40	-52.842	52.842	-214.53	203.96
41	-59.816	59.816	-203.96	192.00
42	-65.277	65.277	-192.00	178.94
43	-69.300	69.300	-178.94	165.08
44	-71.733	71.733	-165.08	150.74
45	-72.856	72.856	-150.74	136.17
46	-72.759	72.759	-136.17	121.61
47	-71.666	71.666	-121.61	107.28
48	-69.622	69.622	-107.28	93.356
49	-66.832	66.832	-93.356	79.989
50	-63.314	63.314	-79.989	67.327
51	-59.238	59.238	-67.327	55.479
52	-54.596	54.596	-55.479	44.560
53	-49.530	49.530	-44.560	34.654
54	-44.022	44.022	-34.654	25.850
55	-38.175	38.175	-25.850	18.215
56	-31.940	31.940	-18.215	11.827
57	-25.412	25.412	-11.827	6.7445
58	-18.525	18.525	-6.7445	3.0394
59	-11.357	11.357	-3.0394	0.76803
60	-3.8400	3.8400	-0.76803	6.17895E-13

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                  Exe Time :29 July 2019      18:02:27                                                         |
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New Project


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      4.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   93.940     -7.75160E-04 -7.75160E-04   0.0000       0.0000       0.0000       0.0000     BORN NOW JUST ACTIVATED

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2749E+06 RIMNOR=0.2517E+07
           RENORM= 2859.     REMNOR=0.1117E-18 RATIO =0.1020     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 241.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2749E+06 RDR   =0.2517E+07
           RATIOT=0.1020     RATIOR= 0.000
           MAX UN= 14.77     IEQ=     61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.3113E-08 IEQ=      5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2749E+06 RIMNOR=0.2517E+07
           RENORM= 447.0     REMNOR=0.1981E-18 RATIO =0.4033E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 241.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2749E+06 RDR   =0.2517E+07
           RATIOT=0.4033E-01 RATIOR= 0.000
           MAX UN= 7.194     IEQ=     63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.3150E-08 IEQ=      9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2749E+06 RIMNOR=0.2517E+07
           RENORM= 65.32     REMNOR=0.1392E-18 RATIO =0.1542E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 241.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2749E+06 RDR   =0.2517E+07
           RATIOT=0.1542E-01 RATIOR= 0.000
           MAX UN= 2.987     IEQ=     87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.1741     IEQ=    121 NODE     61 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2749E+06 RIMNOR=0.2517E+07
           RENORM= 26.69     REMNOR=0.6693E-18 RATIO =0.9854E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 241.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2749E+06 RDR   =0.2517E+07
           RATIOT=0.9854E-02 RATIOR= 0.000
           MAX UN= 4.327     IEQ=     91 NODE     46 DOF   1  Y-DISPL.F
           MIN UN=-1.419     IEQ=    117 NODE     59 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2749E+06 RIMNOR=0.2517E+07
           RENORM=0.2949E-01 REMNOR=0.3560E-18 RATIO =0.3276E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 90.74     RMMAX = 241.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2749E+06 RDR   =0.2517E+07
           RATIOT=0.3276E-03 RATIOR= 0.000
           MAX UN=0.1717     IEQ=     95 NODE     48 DOF   1  Y-DISPL.F
           MIN UN=-.3164E-08 IEQ=     37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
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          RINORM=0.2749E+06 RIMNOR=0.2517E+07
          RENORM=0.1368E-04 REMNOR=0.3442E-18 RATIO =0.7054E-05 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 90.74     RMMAX = 241.4
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
          RDT   =0.2749E+06 RDR   =0.2517E+07
          RATIOT=0.7054E-05 RATIOR= 0.000
          MAX UN=0.4446E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
          MIN UN=-.2504E-02 IEQ=   115 NODE     58 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                    NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
|                                 Exe Time :29 July 2019      18:02:27                                                  |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    5     ( AT TIME   5.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.8808650E-02  -2.1052720E-03
    2   1.8387599E-02  -2.1052232E-03
    3   1.7966572E-02  -2.1050080E-03
    4   1.7545616E-02  -2.1044923E-03
    5   1.7124805E-02  -2.1035237E-03
    6   1.6704248E-02  -2.1019286E-03
    7   1.6284088E-02  -2.0995190E-03
    8   1.5864508E-02  -2.0960900E-03
    9   1.5445735E-02  -2.0914230E-03
   10   1.5028037E-02  -2.0852857E-03
   11   1.4611735E-02  -2.0774333E-03
   12   1.4197196E-02  -2.0676064E-03
   13   1.3784842E-02  -2.0555314E-03
   14   1.3374982E-02  -2.0434682E-03
   15   1.2967304E-02  -2.0336630E-03
   16   1.2561388E-02  -2.0258000E-03
   17   1.2156877E-02  -2.0195502E-03
   18   1.1753483E-02  -2.0145717E-03
   19   1.1350987E-02  -2.0105088E-03
   20   1.0949243E-02  -2.0069916E-03
   21   1.0548179E-02  -2.0036366E-03
   22   1.0147804E-02  -2.0000463E-03
   23   9.7482040E-03  -1.9958096E-03
   24   9.3495515E-03  -1.9905015E-03
   25   8.9521040E-03  -1.9836840E-03
   26   8.5562086E-03  -1.9749057E-03
   27   8.1623054E-03  -1.9637016E-03
   28   7.7709236E-03  -1.9495929E-03
   29   7.3826948E-03  -1.9320870E-03
   30   6.9983490E-03  -1.9106777E-03
   31   6.6187186E-03  -1.8848451E-03
   32   6.2447432E-03  -1.8540562E-03
   33   5.8774325E-03  -1.8182496E-03
   34   5.5177453E-03  -1.7779143E-03
   35   5.1665273E-03  -1.7336719E-03
   36   4.8244924E-03  -1.6861917E-03
   37   4.4922252E-03  -1.6361174E-03
   38   4.1701788E-03  -1.5840674E-03
   39   3.8586902E-03  -1.5306373E-03
   40   3.5579777E-03  -1.4763999E-03
   41   3.2681472E-03  -1.4219076E-03
   42   2.9891962E-03  -1.3676927E-03
   43   2.7210174E-03  -1.3142696E-03
   44   2.4634024E-03  -1.2621355E-03
   45   2.2160463E-03  -1.2117724E-03
   46   1.9785455E-03  -1.1636473E-03
   47   1.7504079E-03  -1.1182153E-03
   48   1.5310503E-03  -1.0759194E-03
   49   1.3198029E-03  -1.0371823E-03
   50   1.1159179E-03  -1.0023537E-03
   51   9.1858651E-04  -9.7166383E-04
   52   7.2696410E-04  -9.4522597E-04
   53   5.4021689E-04  -9.2304385E-04
   54   3.5747950E-04  -9.0500815E-04
   55   1.7795114E-04  -8.9090975E-04
   56   8.7387489E-07  -8.8043720E-04
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    57  -1.7443808E-04  -8.7317980E-04
    58  -3.4857850E-04  -8.6862920E-04
    59  -5.2203100E-04  -8.6619724E-04
    60  -6.9515541E-04  -8.6523545E-04
    61  -8.6818476E-04  -8.6503752E-04



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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                   Exe Time :29 July 2019      18:02:27                                                        |
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 New Project


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   2.055     -1.8809E-02  54.80       20.55       54.80       35.88          ACTIVE   0.000       0.000       0.000       1.000       1.000
20.55       0.000       0.000     Strato1_2_8_L_0
   2 D   2.898     -1.8388E-02  38.63       14.49       38.63       27.89          ACTIVE   0.000      -0.2000      0.000       1.000       1.000
14.49       0.000       0.000     Strato1_2_8_L_0
   3 D   2.756     -1.7967E-02  36.74       13.78       36.74       26.73          ACTIVE   0.000      -0.4000      0.000       1.000       1.000
13.78       0.000       0.000     Strato1_2_8_L_0
   4 D   3.662     -1.7546E-02  48.83       18.31       48.83       32.25          ACTIVE   0.000      -0.6000      0.000       1.000       1.000
18.31       0.000       0.000     Strato1_2_8_L_0
   5 D   3.647     -1.7125E-02  48.63       18.24       48.63       31.89          ACTIVE   0.000      -0.8000      0.000       1.000       1.000
18.24       0.000       0.000     Strato1_2_8_L_0
   6 D   4.279     -1.6704E-02  57.05       21.39       57.05       35.66          ACTIVE   0.000      -1.000       0.000       1.000       1.000
21.39       0.000       0.000     Strato1_2_8_L_0
   7 D   4.344     -1.6284E-02  57.92       21.72       57.92       35.81          ACTIVE   0.000      -1.200       0.000       1.000       1.000
21.72       0.000       0.000     Strato1_2_8_L_0
   8 D   4.869     -1.5865E-02  64.92       24.35       64.92       38.89          ACTIVE   0.000      -1.400       0.000       1.000       1.000
24.35       0.000       0.000     Strato1_2_8_L_0
   9 D   4.916     -1.5446E-02  65.55       24.58       65.55       38.92          ACTIVE   0.000      -1.600       0.000       1.000       1.000
24.58       0.000       0.000     Strato1_2_8_L_0
  10 D   5.392     -1.5028E-02  71.89       26.96       71.89       41.67          ACTIVE   0.000      -1.800       0.000       1.000       1.000
26.96       0.000       0.000     Strato1_2_8_L_0
  11 D   5.541     -1.4612E-02  73.88       27.70       73.88       42.33          ACTIVE   0.000      -2.000       0.000       1.000       1.000
27.70       0.000       0.000     Strato1_2_8_L_0
  12 D   5.980     -1.4197E-02  79.73       29.90       79.73       44.83          ACTIVE   0.000      -2.200       0.000       1.000       1.000
29.90       0.000       0.000     Strato1_2_8_L_0
  13 D   6.148     -1.3785E-02  81.98       30.74       81.98       45.59          ACTIVE   0.000      -2.400       0.000       1.000       1.000
30.74       0.000       0.000     Strato1_2_8_L_0
  14 D   6.562     -1.3375E-02  87.49       32.81       87.49       47.90          ACTIVE   0.000      -2.600       0.000       1.000       1.000
32.81       0.000       0.000     Strato1_2_8_L_0
  15 D   6.745     -1.2967E-02  89.93       33.73       89.93       48.74          ACTIVE   0.000      -2.800       0.000       1.000       1.000
33.73       0.000       0.000     Strato1_2_8_L_0
  16 D   7.104     -1.2561E-02  94.72       35.52       94.72       50.68          ACTIVE   0.000      -3.000       0.000       1.000       1.000
35.52       0.000       0.000     Strato1_2_8_L_0
  17 D   7.302     -1.2157E-02  97.35       36.51       97.35       51.60          ACTIVE   0.000      -3.200       0.000       1.000       1.000
36.51       0.000       0.000     Strato1_2_8_L_0
  18 D   7.685     -1.1753E-02  102.5       38.43       102.5       54.31          ACTIVE   0.000      -3.400       0.000       1.000       1.000
38.43       0.000       0.000     Strato1_2_8_L_0
  19 D   7.891     -1.1351E-02  105.2       39.46       105.2       55.77          ACTIVE   0.000      -3.600       0.000       1.000       1.000
39.46       0.000       0.000     Strato1_2_8_L_0
  20 D   8.264     -1.0949E-02  110.2       41.32       110.2       58.40          ACTIVE   0.000      -3.800       0.000       1.000       1.000
41.32       0.000       0.000     Strato1_2_8_L_0
  21 D   8.477     -1.0548E-02  113.0       42.39       113.0       59.91          ACTIVE   0.000      -4.000       0.000       1.000       1.000
42.39       0.000       0.000     Strato1_2_8_L_0
  22 D   8.841     -1.0148E-02  117.9       44.21       117.9       62.48          ACTIVE   0.000      -4.200       0.000       1.000       1.000
44.21       0.000       0.000     Strato1_2_8_L_0
  23 D   9.060     -9.7482E-03  120.8       45.30       120.8       64.03          ACTIVE   0.000      -4.400       0.000       1.000       1.000
45.30       0.000       0.000     Strato1_2_8_L_0
  24 D   9.393     -9.3496E-03  125.2       46.97       125.2       66.38          ACTIVE   0.000      -4.600       0.000       1.000       1.000
46.97       0.000       0.000     Strato1_2_8_L_0
  25 D   9.618     -8.9521E-03  128.2       48.09       128.2       67.97          ACTIVE   0.000      -4.800       0.000       1.000       1.000
48.09       0.000       0.000     Strato1_2_8_L_0
  26 D   9.970     -8.5562E-03  132.9       49.85       132.9       70.45          ACTIVE   0.000      -5.000       0.000       1.000       1.000
49.85       0.000       0.000     Strato1_2_8_L_0
  27 D   10.20     -8.1623E-03  136.0       51.00       136.0       72.08          ACTIVE   0.000      -5.200       0.000       1.000       1.000
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51.00       0.000       0.000     Strato1_2_8_L_0
  28 D   10.55     -7.7709E-03  140.6       52.73       140.6       74.52       ACTIVE   0.000      -5.400      0.000       1.000       1.000
52.73       0.000       0.000     Strato1_2_8_L_0
  29 D   10.78     -7.3827E-03  143.7       53.89       143.7       76.17       ACTIVE   0.000      -5.600      0.000       1.000       1.000
53.89       0.000       0.000     Strato1_2_8_L_0
  30 D   11.12     -6.9983E-03  148.3       55.60       148.3       78.59       ACTIVE   0.000      -5.800      0.000       1.000       1.000
55.60       0.000       0.000     Strato1_2_8_L_0
  31 D   11.34     -6.6187E-03  151.2       56.69       151.2       80.13       ACTIVE   0.000      -6.000      0.000       1.000       1.000
56.69       0.000       0.000     Strato1_2_8_L_0
  32 D   5.842     -6.2447E-03  155.8       29.21       155.8       77.90       ACTIVE   0.000      -6.200      0.000       1.000       1.000
29.21       0.000       0.000     Strato2_3095_82743_L_0
  33 D   6.046     -5.8774E-03  159.2       30.23       159.2       79.60       ACTIVE   0.000      -6.400      0.000       1.000       1.000
30.23       0.000       0.000     Strato2_3095_82743_L_0
  34 D   6.326     -5.5177E-03  163.9       31.63       163.9       81.93       ACTIVE   0.000      -6.600      0.000       1.000       1.000
31.63       0.000       0.000     Strato2_3095_82743_L_0
  35 D   6.532     -5.1665E-03  167.3       32.66       167.3       83.65       ACTIVE   0.000      -6.800      0.000       1.000       1.000
32.66       0.000       0.000     Strato2_3095_82743_L_0
  36 D   6.810     -4.8245E-03  171.9       34.05       171.9       85.96       ACTIVE   0.000      -7.000      0.000       1.000       1.000
34.05       0.000       0.000     Strato2_3095_82743_L_0
  37 D   7.017     -4.4922E-03  175.4       35.09       175.4       87.69       ACTIVE   0.000      -7.200      0.000       1.000       1.000
35.09       0.000       0.000     Strato2_3095_82743_L_0
  38 D   7.293     -4.1702E-03  180.0       36.46       180.0       89.99       ACTIVE   0.000      -7.400      0.000       1.000       1.000
36.46       0.000       0.000     Strato2_3095_82743_L_0
  39 D   7.490     -3.8587E-03  183.3       37.45       183.3       91.63       ACTIVE   0.000      -7.600      0.000       1.000       1.000
37.45       0.000       0.000     Strato2_3095_82743_L_0
  40 D   7.764     -3.5580E-03  187.8       38.82       187.8       93.91       ACTIVE   0.000      -7.800      0.000       1.000       1.000
38.82       0.000       0.000     Strato2_3095_82743_L_0
  41 D   7.975     -3.2681E-03  191.3       39.88       191.3       95.67       ACTIVE   0.000      -8.000      0.000       1.000       1.000
39.88       0.000       0.000     Strato2_3095_82743_L_0
  42 D   8.247     -2.9892E-03  195.9       41.24       195.9       97.94       ACTIVE   0.000      -8.200      0.000       1.000       1.000
41.24       0.000       0.000     Strato2_3095_82743_L_0
  43 D   8.459     -2.7210E-03  199.4       42.30       199.4       99.71       ACTIVE   0.000      -8.400      0.000       1.000       1.000
42.30       0.000       0.000     Strato2_3095_82743_L_0
  44 D   8.730     -2.4634E-03  203.9       43.65       203.9       102.0       ACTIVE   0.000      -8.600      0.000       1.000       1.000
43.65       0.000       0.000     Strato2_3095_82743_L_0
  45 D   8.943     -2.2160E-03  207.5       44.72       207.5       103.7       ACTIVE   0.000      -8.800      0.000       1.000       1.000
44.72       0.000       0.000     Strato2_3095_82743_L_0
  46 D   9.203     -1.9785E-03  211.8       46.01       211.8       105.9       ACTIVE   0.000      -9.000      0.000       1.000       1.000
46.01       0.000       0.000     Strato2_3095_82743_L_0
  47 D   9.417     -1.7504E-03  215.4       47.09       215.4       107.7       ACTIVE   0.000      -9.200      0.000       1.000       1.000
47.09       0.000       0.000     Strato2_3095_82743_L_0
  48 D   9.686     -1.5311E-03  219.8       48.43       219.8       109.9       ACTIVE   0.000      -9.400      0.000       1.000       1.000
48.43       0.000       0.000     Strato2_3095_82743_L_0
  49 D   11.47     -1.3198E-03  223.4       57.34       223.4       111.7       UL-RL    3.1997E+04 -9.600      0.000       1.000       1.000
57.34       0.000       0.000     Strato2_3095_82743_L_0
  50 D   13.44     -1.1159E-03  227.9       67.18       227.9       113.9       UL-RL    3.1997E+04 -9.800      0.000       1.000       1.000
67.18       0.000       0.000     Strato2_3095_82743_L_0
  51 D   15.25     -9.1859E-04  231.5       76.24       231.5       115.7       UL-RL    3.1997E+04 -10.00      0.000       1.000       1.000
76.24       0.000       0.000     Strato2_3095_82743_L_0
  52 D   17.08     -7.2696E-04  235.9       85.41       235.9       118.0       UL-RL    3.1997E+04 -10.20      0.000       1.000       1.000
85.41       0.000       0.000     Strato2_3095_82743_L_0
  53 D   18.78     -5.4022E-04  239.6       93.92       239.6       119.8       UL-RL    3.1997E+04 -10.40      0.000       1.000       1.000
93.92       0.000       0.000     Strato2_3095_82743_L_0
  54 D   20.51     -3.5748E-04  243.8       102.6       243.8       121.9       UL-RL    3.1997E+04 -10.60      0.000       1.000       1.000
102.6       0.000       0.000     Strato2_3095_82743_L_0
  55 D   22.14     -1.7795E-04  247.5       110.7       247.5       123.7       UL-RL    3.1997E+04 -10.80      0.000       1.000       1.000
110.7       0.000       0.000     Strato2_3095_82743_L_0
  56 D   23.82     -8.7387E-07  251.9       119.1       251.9       125.9       UL-RL    3.1997E+04 -11.00      0.000       1.000       1.000
119.1       0.000       0.000     Strato2_3095_82743_L_0
  57 D   25.41      1.7444E-04  255.5       127.0       255.5       127.8       UL-RL    3.1997E+04 -11.20      0.000       1.000       1.000
127.0       0.000       0.000     Strato2_3095_82743_L_0
  58 D   26.34      3.4858E-04  259.9       131.7       259.9       131.7       UL-RL    3.1997E+04 -11.40      0.000       1.000       1.000
131.7       0.000       0.000     Strato2_3095_82743_L_0
  59 D   27.11      5.2203E-04  263.6       135.6       263.6       135.6       UL-RL    3.1997E+04 -11.60      0.000       1.000       1.000
135.6       0.000       0.000     Strato2_3095_82743_L_0
  60 D   27.95      6.9516E-04  267.9       139.7       267.9       139.8       UL-RL    3.1997E+04 -11.80      0.000       1.000       1.000
139.7       0.000       0.000     Strato2_3095_82743_L_0
  61 D   14.35      8.6818E-04  271.5       143.5       271.5       143.5       UL-RL    3.1997E+04 -12.00      0.000       1.000       1.000
143.5       0.000       0.000     Strato2_3095_82743_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
 |                                  Exe Time :29 July 2019      18:02:27                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

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ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T T I M E I S 5.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
32 D	14.60	6.2447E-03	2.000	73.01	117.9	86.40	PASSIVE	0.000	-6.200	0.000	1.000	1.000
73.01	0.000	0.000	Strato2_3095_82743_L_0									
33 D	17.88	5.8774E-03	6.000	89.42	121.9	89.42	PASSIVE	0.000	-6.400	0.000	1.000	1.000
89.42	0.000	0.000	Strato2_3095_82743_L_0									
34 D	20.67	5.5177E-03	10.00	103.4	125.9	103.4	V-C	7449.	-6.600	0.000	1.000	1.000
103.4	0.000	0.000	Strato2_3095_82743_L_0									
35 D	20.37	5.1665E-03	14.00	101.9	129.9	101.9	V-C	7449.	-6.800	0.000	1.000	1.000
101.9	0.000	0.000	Strato2_3095_82743_L_0									
36 D	20.08	4.8245E-03	18.00	100.4	133.9	100.4	V-C	7449.	-7.000	0.000	1.000	1.000
100.4	0.000	0.000	Strato2_3095_82743_L_0									
37 D	19.81	4.4922E-03	22.00	99.06	137.9	99.06	V-C	7449.	-7.200	0.000	1.000	1.000
99.06	0.000	0.000	Strato2_3095_82743_L_0									

38	D	19.57	4.1702E-03	26.00	97.84	141.9	97.84	V-C	7449.	-7.400	0.000	1.000	1.000	97.84	0.000	0.000	Strato2_3095_82743_L_0
39	D	19.35	3.8587E-03	30.00	96.76	145.9	96.76	V-C	7449.	-7.600	0.000	1.000	1.000	96.76	0.000	0.000	Strato2_3095_82743_L_0
40	D	19.16	3.5580E-03	34.00	95.82	149.9	95.82	V-C	7449.	-7.800	0.000	1.000	1.000	95.82	0.000	0.000	Strato2_3095_82743_L_0
41	D	19.01	3.2681E-03	38.00	95.03	153.9	95.03	V-C	7449.	-8.000	0.000	1.000	1.000	95.03	0.000	0.000	Strato2_3095_82743_L_0
42	D	18.88	2.9892E-03	42.00	94.38	157.9	94.38	V-C	7449.	-8.200	0.000	1.000	1.000	94.38	0.000	0.000	Strato2_3095_82743_L_0
43	D	18.78	2.7210E-03	46.00	93.89	161.9	93.89	V-C	7449.	-8.400	0.000	1.000	1.000	93.89	0.000	0.000	Strato2_3095_82743_L_0
44	D	18.71	2.4634E-03	50.00	93.53	165.9	93.53	V-C	7449.	-8.600	0.000	1.000	1.000	93.53	0.000	0.000	Strato2_3095_82743_L_0
45	D	18.66	2.2160E-03	54.00	93.30	169.9	93.30	V-C	7449.	-8.800	0.000	1.000	1.000	93.30	0.000	0.000	Strato2_3095_82743_L_0
46	D	18.64	1.9785E-03	58.00	93.21	173.9	93.21	V-C	7449.	-9.000	0.000	1.000	1.000	93.21	0.000	0.000	Strato2_3095_82743_L_0
47	D	18.64	1.7504E-03	62.00	93.22	177.9	93.22	V-C	7449.	-9.200	0.000	1.000	1.000	93.22	0.000	0.000	Strato2_3095_82743_L_0
48	D	18.26	1.5311E-03	66.00	91.31	181.9	94.38	UL-RL	2.2347E+04	-9.400	0.000	1.000	1.000	91.31	0.000	0.000	Strato2_3095_82743_L_0
49	D	17.61	1.3198E-03	70.00	88.06	185.9	96.34	UL-RL	2.2347E+04	-9.600	0.000	1.000	1.000	88.06	0.000	0.000	Strato2_3095_82743_L_0
50	D	17.01	1.1159E-03	74.00	85.06	189.9	98.31	UL-RL	2.2347E+04	-9.800	0.000	1.000	1.000	85.06	0.000	0.000	Strato2_3095_82743_L_0
51	D	16.46	9.1859E-04	78.00	82.28	193.9	100.3	UL-RL	2.2347E+04	-10.00	0.000	1.000	1.000	82.28	0.000	0.000	Strato2_3095_82743_L_0
52	D	15.94	7.2696E-04	82.00	79.68	197.9	102.3	UL-RL	2.2347E+04	-10.20	0.000	1.000	1.000	79.68	0.000	0.000	Strato2_3095_82743_L_0
53	D	15.45	5.4022E-04	86.00	77.25	201.9	104.2	UL-RL	2.2347E+04	-10.40	0.000	1.000	1.000	77.25	0.000	0.000	Strato2_3095_82743_L_0
54	D	14.99	3.5748E-04	90.00	74.93	205.9	106.2	UL-RL	2.2347E+04	-10.60	0.000	1.000	1.000	74.93	0.000	0.000	Strato2_3095_82743_L_0
55	D	14.54	1.7795E-04	94.00	72.72	209.9	108.2	UL-RL	2.2347E+04	-10.80	0.000	1.000	1.000	72.72	0.000	0.000	Strato2_3095_82743_L_0
56	D	14.11	8.7387E-07	98.00	70.57	213.9	110.2	UL-RL	2.2347E+04	-11.00	0.000	1.000	1.000	70.57	0.000	0.000	Strato2_3095_82743_L_0
57	D	13.70	-1.7444E-04	102.0	68.48	217.9	112.2	UL-RL	2.2347E+04	-11.20	0.000	1.000	1.000	68.48	0.000	0.000	Strato2_3095_82743_L_0
58	D	13.28	-3.4858E-04	106.0	66.40	221.9	114.2	UL-RL	2.2347E+04	-11.40	0.000	1.000	1.000	66.40	0.000	0.000	Strato2_3095_82743_L_0
59	D	12.86	-5.2203E-04	110.0	64.31	225.9	116.2	UL-RL	2.2347E+04	-11.60	0.000	1.000	1.000	64.31	0.000	0.000	Strato2_3095_82743_L_0
60	D	12.45	-6.9516E-04	114.0	62.24	229.9	118.2	UL-RL	2.2347E+04	-11.80	0.000	1.000	1.000	62.24	0.000	0.000	Strato2_3095_82743_L_0
61	D	6.015	-8.6818E-04	118.0	60.15	233.9	120.3	UL-RL	2.2347E+04	-12.00	0.000	1.000	1.000	60.15	0.000	0.000	Strato2_3095_82743_L_0

```
 +-------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                |
 |                                                                                                                         |
 |                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                        |
 |                                  Exe Time :29 July 2019      18:02:27                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
 C U R R E N T   T I M E   I S     5.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -------------------------------------------------------
     1  2.0550     -2.0550    -1.51753E-10 0.41100
     2  4.9525     -4.9525    -0.41100      1.4015
     3  7.7081     -7.7081     -1.4015      2.9431
     4  11.370     -11.370     -2.9431      5.2171
     5  15.017     -15.017     -5.2171      8.2205
     6  19.296     -19.296     -8.2205      12.080
     7  23.640     -23.640     -12.080      16.808
     8  28.509     -28.509     -16.808      22.509
     9  33.425     -33.425     -22.509      29.194
    10  38.817     -38.817     -29.194      36.958
    11  44.358     -44.358     -36.958      45.829
    12  50.337     -50.337     -45.829      55.897
    13 -50.837      50.837     -55.897      45.729
    14 -44.276      44.276     -45.729      36.874
```

15	-37.530	37.530	-36.874	29.368
16	-30.426	30.426	-29.368	23.283
17	-23.125	23.125	-23.283	18.658
18	-15.439	15.439	-18.658	15.570
19	-7.5479	7.5479	-15.570	14.061
20	0.71616	-0.71616	-14.061	14.204
21	9.1934	-9.1934	-14.204	16.043
22	18.034	-18.034	-16.043	19.649
23	27.095	-27.095	-19.649	25.068
24	36.488	-36.488	-25.068	32.366
25	46.106	-46.106	-32.366	41.587
26	56.076	-56.076	-41.587	52.802
27	66.275	-66.275	-52.802	66.057
28	76.821	-76.821	-66.057	81.421
29	87.600	-87.600	-81.421	98.941
30	98.720	-98.720	-98.941	118.69
31	110.06	-110.06	-118.69	140.70
32	101.30	-101.30	-140.70	160.96
33	89.460	-89.460	-160.96	178.85
34	75.115	-75.115	-178.85	193.87
35	61.275	-61.275	-193.87	206.13
36	48.003	-48.003	-206.13	215.73
37	35.207	-35.207	-215.73	222.77
38	22.931	-22.931	-222.77	227.35
39	11.070	-11.070	-227.35	229.57
40	-0.32951	0.32951	-229.57	229.50
41	-11.360	11.360	-229.50	227.23
42	-21.989	21.989	-227.23	222.83
43	-32.307	32.307	-222.83	216.37
44	-42.282	42.282	-216.37	207.92
45	-52.000	52.000	-207.92	197.52
46	-61.438	61.438	-197.52	185.23
47	-70.665	70.665	-185.23	171.09
48	-79.241	79.241	-171.09	155.25
49	-85.385	85.385	-155.25	138.17
50	-88.961	88.961	-138.17	120.38
51	-90.168	90.168	-120.38	102.34
52	-89.022	89.022	-102.34	84.540
53	-85.687	85.687	-84.540	67.402
54	-80.163	80.163	-67.402	51.370
55	-72.567	72.567	-51.370	36.856
56	-62.863	62.863	-36.856	24.284
57	-51.154	51.154	-24.284	14.053
58	-38.088	38.088	-14.053	6.4352
59	-23.839	23.839	-6.4352	1.6674
60	-8.3366	8.3366	-1.6674	-3.34160E-12

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                   Exe Time :29 July 2019      18:02:27                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
New Project


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tirante1_429                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      5.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   111.11     -7.75160E-04  5.74462E-03   0.0000       2633.3       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                      NewProject.BaseDesignSection_28.A2M2R1_3514                                              |
|                                   Exe Time :29 July 2019      18:02:27                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        5
        3           CONVERGENCE :YES                        5
        4           CONVERGENCE :YES                        4
        5           CONVERGENCE :YES                        6


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....     0.06 [sec]
DATABASE  CREATION CPU TIME.....     0.20 [sec]
```

5. BERLINESE DI MICROPALI

5.1. Design Assumption : Nominal - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: Nominal
 * Time:lunedì 29 luglio 2019 19:21:28
 * 1: Defining general settings
 UNIT  m kN
 TITLE 1468.1 - GA27 - Cepav2
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -10.2 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -10.2 0 1 0
 SOIL 0_R LeftWall_32 -10.2 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_3095_78023_L_0)
 *
 LDATA Strato1_3095_78023_L_0 0 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 0 29
 YOUNG 2.5E+04 4E+04
 ENDL
 *
 * Soil Profile (Strato2_84780_84781_L_0)
 *
 LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 20 35
 YOUNG 5E+04 1.5E+05
 ENDL

 * 5: Defining structural materials
 * Steel material: 113 Name=S275 E=210000000 kPa
 MATERIAL S275_113 2.1E+08
 * Concrete material: 104 Name=C25/30 E=31475800 kPa
 MATERIAL C2530_104 3.148E+07
 * Rebar material: 78036 Name=S275 E=210000000 kPa
 MATERIAL S275_78036 2.1E+08

 * 6: Defining structural elements
 * 6.1: Beams and combined Wall Elements
 BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0


 * 6.2: Supports
 WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0


 * 6.3: Strips
 STRIP LeftWall_32 3 3 2.33 3 0 52.08 30

 * 7: Defining Steps
 STEP Stage0_86326
 CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
 CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
 CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
 SETWALL LeftWall_32
 GEOM 0 0
 WATER -17 0 -10.2 0 0
 ENDSTEP
```

```
STEP Stage1_31
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ADD WallElement_33 Tieback_78031
ENDSTEP

STEP Stage2_158
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -5.35
WATER -17 0 -10.2 0 0
ENDSTEP
```

5.2. Design Assumption : Nominal - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************




 JOB : 1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >



                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


1468.1 - GA27 - Cepav2


NO. OF NODAL POINTS (NUMNP) ...................   52
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  104
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    3
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   68
NO. OF LONG NAMES (LASTNAME) ..................   16
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     68

    1 : UNIT  m kN
    2 : TITLE 1468.1 - GA27 - Cepav2
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -10.2 0 1
    7 : SOIL 0_L LeftWall_32 -10.2 0 1 0
    8 : SOIL 0_R LeftWall_32 -10.2 0 2 180
    9 : LDATA Strato1_3095_78023_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-05
   13 : RESISTANCE 0 29
   14 : YOUNG 2.5E+04 4E+04
   15 : ENDL
   16 : LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 19 9 10
   19 : PERMEABILITY 1E-05
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
```

```
   23 : MATERIAL S275_113 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL S275_78036 2.1E+08
   26 : BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0
   27 : WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0
   28 : STRIP LeftWall_32 3 3 2.33 3 0 52.08 30
   29 : STEP Stage0_86326
   30 : CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
   31 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   32 : CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
   33 : CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
   34 : CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
   35 : CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
   36 : CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
   37 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   38 : CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
   39 : CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
   40 : CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
   41 : CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
   42 : CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
   43 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   44 : CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
   45 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   46 : SETWALL LeftWall_32
   47 : GEOM 0 0
   48 : WATER -17 0 -10.2 0 0
   49 : ENDSTEP
   50 : STEP Stage1_31
   51 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   52 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   53 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   54 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   55 : SETWALL LeftWall_32
   56 : GEOM 0 0
   57 : WATER -17 0 -10.2 0 0
   58 : ADD WallElement_33 Tieback_78031
   59 : ENDSTEP
   60 : STEP Stage2_158
   61 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   62 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   63 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   64 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   65 : SETWALL LeftWall_32
   66 : GEOM 0 -5.35
   67 : WATER -17 0 -10.2 0 0
   68 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                               |
|                                  Exe Time :29 July 2019      19:21:28                                             |
+-------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /
```


```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                               |
|                                  Exe Time :29 July 2019      19:21:28                                             |
+-------------------------------------------------------------------------------------------------------------------+
```


```
 ELEMENT GROUP NO.  1
```

```
0_L                              :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el     n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1     1    1    0.1000     0.000     0.000     0.000     1.000
    2     2    1    0.2000     0.000     0.000     0.000     1.000
    3     3    1    0.2000     0.000     0.000     0.000     1.000
    4     4    1    0.2000     0.000     0.000     0.000     1.000
    5     5    1    0.2000     0.000     0.000     0.000     1.000
    6     6    1    0.2000     0.000     0.000     0.000     1.000
    7     7    1    0.2000     0.000     0.000     0.000     1.000
    8     8    1    0.2000     0.000     0.000     0.000     1.000
    9     9    1    0.2000     0.000     0.000     0.000     1.000
   10    10    1    0.2000     0.000     0.000     0.000     1.000
   11    11    1    0.2000     0.000     0.000     0.000     1.000
   12    12    1    0.2000     0.000     0.000     0.000     1.000
   13    13    1    0.2000     0.000     0.000     0.000     1.000
   14    14    1    0.2000     0.000     0.000     0.000     1.000
   15    15    1    0.2000     0.000     0.000     0.000     1.000
   16    16    1    0.2000     0.000     0.000     0.000     1.000
   17    17    1    0.2000     0.000     0.000     0.000     1.000
   18    18    1    0.2000     0.000     0.000     0.000     1.000
   19    19    1    0.2000     0.000     0.000     0.000     1.000
   20    20    1    0.2000     0.000     0.000     0.000     1.000
   21    21    1    0.2000     0.000     0.000     0.000     1.000
   22    22    1    0.2000     0.000     0.000     0.000     1.000
   23    23    1    0.2000     0.000     0.000     0.000     1.000
   24    24    1    0.2000     0.000     0.000     0.000     1.000
   25    25    1    0.2000     0.000     0.000     0.000     1.000
   26    26    1    0.2000     0.000     0.000     0.000     1.000
   27    27    1    0.2000     0.000     0.000     0.000     1.000
   28    28    2    0.2000     0.000     0.000     0.000     1.000
   29    29    2    0.2000     0.000     0.000     0.000     1.000
   30    30    2    0.2000     0.000     0.000     0.000     1.000
   31    31    2    0.2000     0.000     0.000     0.000     1.000
   32    32    2    0.2000     0.000     0.000     0.000     1.000
   33    33    2    0.2000     0.000     0.000     0.000     1.000
   34    34    2    0.2000     0.000     0.000     0.000     1.000
   35    35    2    0.2000     0.000     0.000     0.000     1.000
   36    36    2    0.2000     0.000     0.000     0.000     1.000
   37    37    2    0.2000     0.000     0.000     0.000     1.000
   38    38    2    0.2000     0.000     0.000     0.000     1.000
   39    39    2    0.2000     0.000     0.000     0.000     1.000
   40    40    2    0.2000     0.000     0.000     0.000     1.000
   41    41    2    0.2000     0.000     0.000     0.000     1.000
   42    42    2    0.2000     0.000     0.000     0.000     1.000
   43    43    2    0.2000     0.000     0.000     0.000     1.000
   44    44    2    0.2000     0.000     0.000     0.000     1.000
   45    45    2    0.2000     0.000     0.000     0.000     1.000
   46    46    2    0.2000     0.000     0.000     0.000     1.000
   47    47    2    0.2000     0.000     0.000     0.000     1.000
   48    48    2    0.2000     0.000     0.000     0.000     1.000
   49    49    2    0.2000     0.000     0.000     0.000     1.000
   50    50    2    0.2000     0.000     0.000     0.000     1.000
   51    51    2    0.2000     0.000     0.000     0.000     1.000
   52    52    2    0.1000     0.000     0.000     0.000     1.000
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                         |
|                                    Exe Time :29 July 2019      19:21:28                                                       |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data

   el     n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1     1    1   0.1000     0.000     0.000     0.000     2.000
    2     2    1   0.2000     0.000     0.000     0.000     2.000
    3     3    1   0.2000     0.000     0.000     0.000     2.000
    4     4    1   0.2000     0.000     0.000     0.000     2.000
    5     5    1   0.2000     0.000     0.000     0.000     2.000
    6     6    1   0.2000     0.000     0.000     0.000     2.000
    7     7    1   0.2000     0.000     0.000     0.000     2.000
    8     8    1   0.2000     0.000     0.000     0.000     2.000
    9     9    1   0.2000     0.000     0.000     0.000     2.000
   10    10    1   0.2000     0.000     0.000     0.000     2.000
   11    11    1   0.2000     0.000     0.000     0.000     2.000
   12    12    1   0.2000     0.000     0.000     0.000     2.000
   13    13    1   0.2000     0.000     0.000     0.000     2.000
   14    14    1   0.2000     0.000     0.000     0.000     2.000
   15    15    1   0.2000     0.000     0.000     0.000     2.000
   16    16    1   0.2000     0.000     0.000     0.000     2.000
   17    17    1   0.2000     0.000     0.000     0.000     2.000
   18    18    1   0.2000     0.000     0.000     0.000     2.000
   19    19    1   0.2000     0.000     0.000     0.000     2.000
   20    20    1   0.2000     0.000     0.000     0.000     2.000
   21    21    1   0.2000     0.000     0.000     0.000     2.000
   22    22    1   0.2000     0.000     0.000     0.000     2.000
   23    23    1   0.2000     0.000     0.000     0.000     2.000
   24    24    1   0.2000     0.000     0.000     0.000     2.000
   25    25    1   0.2000     0.000     0.000     0.000     2.000
   26    26    1   0.2000     0.000     0.000     0.000     2.000
   27    27    1   0.2000     0.000     0.000     0.000     2.000
   28    28    2   0.2000     0.000     0.000     0.000     2.000
   29    29    2   0.2000     0.000     0.000     0.000     2.000
   30    30    2   0.2000     0.000     0.000     0.000     2.000
   31    31    2   0.2000     0.000     0.000     0.000     2.000
   32    32    2   0.2000     0.000     0.000     0.000     2.000
   33    33    2   0.2000     0.000     0.000     0.000     2.000
   34    34    2   0.2000     0.000     0.000     0.000     2.000
   35    35    2   0.2000     0.000     0.000     0.000     2.000
   36    36    2   0.2000     0.000     0.000     0.000     2.000
   37    37    2   0.2000     0.000     0.000     0.000     2.000
   38    38    2   0.2000     0.000     0.000     0.000     2.000
   39    39    2   0.2000     0.000     0.000     0.000     2.000
   40    40    2   0.2000     0.000     0.000     0.000     2.000
   41    41    2   0.2000     0.000     0.000     0.000     2.000
   42    42    2   0.2000     0.000     0.000     0.000     2.000
   43    43    2   0.2000     0.000     0.000     0.000     2.000
```

44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  51   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ............0.182200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------------

    1    1    2    1    0.000     0.000    0.8153E-01 0.000     0.000
    2    2    3    1    0.000     0.000    0.8153E-01 0.000     0.000
    3    3    4    1    0.000     0.000    0.8153E-01 0.000     0.000
    4    4    5    1    0.000     0.000    0.8153E-01 0.000     0.000
    5    5    6    1    0.000     0.000    0.8153E-01 0.000     0.000
    6    6    7    1    0.000     0.000    0.8153E-01 0.000     0.000
    7    7    8    1    0.000     0.000    0.8153E-01 0.000     0.000
    8    8    9    1    0.000     0.000    0.8153E-01 0.000     0.000
    9    9   10    1    0.000     0.000    0.8153E-01 0.000     0.000
   10   10   11    1    0.000     0.000    0.8153E-01 0.000     0.000
   11   11   12    1    0.000     0.000    0.8153E-01 0.000     0.000
   12   12   13    1    0.000     0.000    0.8153E-01 0.000     0.000
   13   13   14    1    0.000     0.000    0.8153E-01 0.000     0.000
   14   14   15    1    0.000     0.000    0.8153E-01 0.000     0.000
   15   15   16    1    0.000     0.000    0.8153E-01 0.000     0.000
   16   16   17    1    0.000     0.000    0.8153E-01 0.000     0.000
   17   17   18    1    0.000     0.000    0.8153E-01 0.000     0.000
   18   18   19    1    0.000     0.000    0.8153E-01 0.000     0.000
   19   19   20    1    0.000     0.000    0.8153E-01 0.000     0.000
   20   20   21    1    0.000     0.000    0.8153E-01 0.000     0.000
   21   21   22    1    0.000     0.000    0.8153E-01 0.000     0.000
   22   22   23    1    0.000     0.000    0.8153E-01 0.000     0.000
   23   23   24    1    0.000     0.000    0.8153E-01 0.000     0.000
   24   24   25    1    0.000     0.000    0.8153E-01 0.000     0.000
   25   25   26    1    0.000     0.000    0.8153E-01 0.000     0.000
   26   26   27    1    0.000     0.000    0.8153E-01 0.000     0.000
   27   27   28    1    0.000     0.000    0.8153E-01 0.000     0.000
   28   28   29    1    0.000     0.000    0.8153E-01 0.000     0.000
   29   29   30    1    0.000     0.000    0.8153E-01 0.000     0.000
   30   30   31    1    0.000     0.000    0.8153E-01 0.000     0.000
```

31	31	32	1	0.000	0.000	0.8153E-01	0.000	0.000
32	32	33	1	0.000	0.000	0.8153E-01	0.000	0.000
33	33	34	1	0.000	0.000	0.8153E-01	0.000	0.000
34	34	35	1	0.000	0.000	0.8153E-01	0.000	0.000
35	35	36	1	0.000	0.000	0.8153E-01	0.000	0.000
36	36	37	1	0.000	0.000	0.8153E-01	0.000	0.000
37	37	38	1	0.000	0.000	0.8153E-01	0.000	0.000
38	38	39	1	0.000	0.000	0.8153E-01	0.000	0.000
39	39	40	1	0.000	0.000	0.8153E-01	0.000	0.000
40	40	41	1	0.000	0.000	0.8153E-01	0.000	0.000
41	41	42	1	0.000	0.000	0.8153E-01	0.000	0.000
42	42	43	1	0.000	0.000	0.8153E-01	0.000	0.000
43	43	44	1	0.000	0.000	0.8153E-01	0.000	0.000
44	44	45	1	0.000	0.000	0.8153E-01	0.000	0.000
45	45	46	1	0.000	0.000	0.8153E-01	0.000	0.000
46	46	47	1	0.000	0.000	0.8153E-01	0.000	0.000
47	47	48	1	0.000	0.000	0.8153E-01	0.000	0.000
48	48	49	1	0.000	0.000	0.8153E-01	0.000	0.000
49	49	50	1	0.000	0.000	0.8153E-01	0.000	0.000
50	50	51	1	0.000	0.000	0.8153E-01	0.000	0.000
51	51	52	1	0.000	0.000	0.8153E-01	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tieback_78031                    :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) angle          70.0000
 prop( 2) young modulus 0.210000E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1    2    1   0.3059E-03 0.000     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................    6
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       4.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       4.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       4.00000    0.0000E+00


    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       4.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
```

```
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       4.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       4.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
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ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.       1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.       1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     6 VALUES
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+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                         |
|                                    Exe Time :29 July 2019      19:21:28                                                       |
+-------------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -17.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -10.20         -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

=============================================================================================================end of step    1


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -17.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                 -0.9990E+30    -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -10.20         -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.350	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

LEFT-HAND WALL

LOWER LEVEL -10.20000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -10.20000
UPPER LEVEL 0.00000

+---
| PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* |
| 1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63 |
| Exe Time :29 July 2019 19:21:28 |
+---

I N I T I A L S T R E S S T A B L E S

S E C T I O N

NUMBER OF DEFINED TABLES 1

INPUT DATA FOR INITIAL STRESS SET NO. 1
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 3.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 3.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.33000000000000
FOUNDATION WIDTH (B) 3.00000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 52.0800000000000
BETA 30.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

```
 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        2422

 NO. OF D.P.W  FOR THIS AREA       6191
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      19:21:28                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                           |
 |                                  Exe Time :29 July 2019      19:21:28                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S     1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  3.1207E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  3.1207E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  3.1207E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  3.1207E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  3.1207E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  3.1207E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  3.1207E+04  -1.200       0.000       1.000       1.000
11.40       0.000       0.000     Strato1_3095_78023_L_0
   8 D   2.660       0.000       26.60       13.30       26.60       13.30            V-C  3.1207E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
   9 D   3.040       0.000       30.40       15.20       30.40       15.20            V-C  3.1207E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
  10 D   3.420       0.000       34.20       17.10       34.20       17.10            V-C  3.1207E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
  11 D   3.800       0.000       38.00       19.00       38.00       19.00            V-C  3.1207E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
  12 D   4.180       0.000       41.80       20.90       41.80       20.90            V-C  3.1207E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
  13 D   4.560       0.000       45.60       22.80       45.60       22.80            V-C  3.1207E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
  14 D   4.940       0.000       49.40       24.70       49.40       24.70            V-C  3.1207E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
  15 D   5.320       0.000       53.20       26.60       53.20       26.60            V-C  3.1207E+04  -2.800       0.000       1.000       1.000
26.60       0.000       0.000     Strato1_3095_78023_L_0
  16 D   5.700       0.000       57.00       28.50       57.00       28.50            V-C  3.1207E+04  -3.000       0.000       1.000       1.000
28.50       0.000       0.000     Strato1_3095_78023_L_0
  17 D   6.080       0.000       60.80       30.40       60.80       30.40            V-C  3.1207E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000     Strato1_3095_78023_L_0
  18 D   6.460       0.000       64.60       32.30       64.60       32.30            V-C  3.1207E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000     Strato1_3095_78023_L_0
  19 D   6.840       0.000       68.40       34.20       68.40       34.20            V-C  3.1207E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000     Strato1_3095_78023_L_0
  20 D   7.220       0.000       72.20       36.10       72.20       36.10            V-C  3.1207E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000     Strato1_3095_78023_L_0
  21 D   7.600       0.000       76.00       38.00       76.00       38.00            V-C  3.1207E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000     Strato1_3095_78023_L_0
  22 D   7.980       0.000       79.80       39.90       79.80       39.90            V-C  3.1207E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000     Strato1_3095_78023_L_0
  23 D   8.360       0.000       83.60       41.80       83.60       41.80            V-C  3.1207E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000     Strato1_3095_78023_L_0
  24 D   8.740       0.000       87.40       43.70       87.40       43.70            V-C  3.1207E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000     Strato1_3095_78023_L_0
  25 D   9.120       0.000       91.20       45.60       91.20       45.60            V-C  3.1207E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000     Strato1_3095_78023_L_0
  26 D   9.500       0.000       95.00       47.50       95.00       47.50            V-C  3.1207E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_3095_78023_L_0
  27 D   9.880       0.000       98.80       49.40       98.80       49.40            V-C  3.1207E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000     Strato1_3095_78023_L_0
  28 D   10.26       0.000       102.6       51.30       102.6       51.30            V-C  7.0624E+04  -5.400       0.000       1.000       1.000
51.30       0.000       0.000     Strato2_84780_84781_L_0
  29 D   10.64       0.000       106.4       53.20       106.4       53.20            V-C  7.0624E+04  -5.600       0.000       1.000       1.000
53.20       0.000       0.000     Strato2_84780_84781_L_0
  30 D   11.02       0.000       110.2       55.10       110.2       55.10            V-C  7.0624E+04  -5.800       0.000       1.000       1.000
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55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00            V-C  7.0624E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90            V-C  7.0624E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80            V-C  7.0624E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70            V-C  7.0624E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60            V-C  7.0624E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50            V-C  7.0624E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40            V-C  7.0624E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30            V-C  7.0624E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20            V-C  7.0624E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10            V-C  7.0624E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00            V-C  7.0624E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90            V-C  7.0624E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80            V-C  7.0624E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70            V-C  7.0624E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60            V-C  7.0624E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50            V-C  7.0624E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40            V-C  7.0624E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30            V-C  7.0624E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20            V-C  7.0624E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10            V-C  7.0624E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00            V-C  7.0624E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90            V-C  7.0624E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                         |
 |                                    Exe Time :29 July 2019      19:21:28                                                       |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.1656E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  2.1656E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  2.1656E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  2.1656E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  2.1656E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  2.1656E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  2.1656E+04  -1.200       0.000       1.000       1.000
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11.40       0.000       0.000     Strato1_3095_78023_L_0
   8 D  2.660       0.000       26.60       13.30       26.60       13.30       V-C  2.1656E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
   9 D  3.040       0.000       30.40       15.20       30.40       15.20       V-C  2.1656E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
  10 D  3.420       0.000       34.20       17.10       34.20       17.10       V-C  2.1656E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
  11 D  3.800       0.000       38.00       19.00       38.00       19.00       V-C  2.1656E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
  12 D  4.180       0.000       41.80       20.90       41.80       20.90       V-C  2.1656E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
  13 D  4.560       0.000       45.60       22.80       45.60       22.80       V-C  2.1656E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
  14 D  4.940       0.000       49.40       24.70       49.40       24.70       V-C  2.1656E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
  15 D  5.320       0.000       53.20       26.60       53.20       26.60       V-C  2.1656E+04  -2.800       0.000       1.000       1.000
26.60       0.000       0.000     Strato1_3095_78023_L_0
  16 D  5.700       0.000       57.00       28.50       57.00       28.50       V-C  2.1656E+04  -3.000       0.000       1.000       1.000
28.50       0.000       0.000     Strato1_3095_78023_L_0
  17 D  6.080       0.000       60.80       30.40       60.80       30.40       V-C  2.1656E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000     Strato1_3095_78023_L_0
  18 D  6.460       0.000       64.60       32.30       64.60       32.30       V-C  2.1656E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000     Strato1_3095_78023_L_0
  19 D  6.840       0.000       68.40       34.20       68.40       34.20       V-C  2.1656E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000     Strato1_3095_78023_L_0
  20 D  7.220       0.000       72.20       36.10       72.20       36.10       V-C  2.1656E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000     Strato1_3095_78023_L_0
  21 D  7.600       0.000       76.00       38.00       76.00       38.00       V-C  2.1656E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000     Strato1_3095_78023_L_0
  22 D  7.980       0.000       79.80       39.90       79.80       39.90       V-C  2.1656E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000     Strato1_3095_78023_L_0
  23 D  8.360       0.000       83.60       41.80       83.60       41.80       V-C  2.1656E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000     Strato1_3095_78023_L_0
  24 D  8.740       0.000       87.40       43.70       87.40       43.70       V-C  2.1656E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000     Strato1_3095_78023_L_0
  25 D  9.120       0.000       91.20       45.60       91.20       45.60       V-C  2.1656E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000     Strato1_3095_78023_L_0
  26 D  9.500       0.000       95.00       47.50       95.00       47.50       V-C  2.1656E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_3095_78023_L_0
  27 D  9.880       0.000       98.80       49.40       98.80       49.40       V-C  2.1656E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000     Strato1_3095_78023_L_0
  28 D  10.26       0.000       102.6       51.30       102.6       51.30       V-C  3.8277E+04  -5.400       0.000       1.000       1.000
51.30       0.000       0.000     Strato2_84780_84781_L_0
  29 D  10.64       0.000       106.4       53.20       106.4       53.20       V-C  3.8277E+04  -5.600       0.000       1.000       1.000
53.20       0.000       0.000     Strato2_84780_84781_L_0
  30 D  11.02       0.000       110.2       55.10       110.2       55.10       V-C  3.8277E+04  -5.800       0.000       1.000       1.000
55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D  11.40       0.000       114.0       57.00       114.0       57.00       V-C  3.8277E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D  11.78       0.000       117.8       58.90       117.8       58.90       V-C  3.8277E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D  12.16       0.000       121.6       60.80       121.6       60.80       V-C  3.8277E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D  12.54       0.000       125.4       62.70       125.4       62.70       V-C  3.8277E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D  12.92       0.000       129.2       64.60       129.2       64.60       V-C  3.8277E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D  13.30       0.000       133.0       66.50       133.0       66.50       V-C  3.8277E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D  13.68       0.000       136.8       68.40       136.8       68.40       V-C  3.8277E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D  14.06       0.000       140.6       70.30       140.6       70.30       V-C  3.8277E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D  14.44       0.000       144.4       72.20       144.4       72.20       V-C  3.8277E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D  14.82       0.000       148.2       74.10       148.2       74.10       V-C  3.8277E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D  15.20       0.000       152.0       76.00       152.0       76.00       V-C  3.8277E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D  15.58       0.000       155.8       77.90       155.8       77.90       V-C  3.8277E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D  15.96       0.000       159.6       79.80       159.6       79.80       V-C  3.8277E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D  16.34       0.000       163.4       81.70       163.4       81.70       V-C  3.8277E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D  16.72       0.000       167.2       83.60       167.2       83.60       V-C  3.8277E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D  17.10       0.000       171.0       85.50       171.0       85.50       V-C  3.8277E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D  17.48       0.000       174.8       87.40       174.8       87.40       V-C  3.8277E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D  17.86       0.000       178.6       89.30       178.6       89.30       V-C  3.8277E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D  18.24       0.000       182.4       91.20       182.4       91.20       V-C  3.8277E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
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  50 D   18.62       0.000       186.2       93.10       186.2       93.10            V-C  3.8277E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00            V-C  3.8277E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90            V-C  3.8277E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0

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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                                     |
 |                                    Exe Time :29 July 2019      19:21:28                                                                   |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

 WallElement_33                   :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
 C U R R E N T    T I M E    I S      1.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------------

 ***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                                     |
 |                                    Exe Time :29 July 2019      19:21:28                                                                   |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

 Tieback_78031                    :
 ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
 C U R R E N T    T I M E    I S      1.0000

  POST-TENSION 2D-BOUNDARY ELEMENT

          EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
 ---------------------------------------------------------------------------------------------------

 ***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

 ITER     0 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.1258E+05 RIMNOR= 0.000
             RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
             RFMAX = 19.00     RMMAX = 0.000
             RTSMAL=0.1000E-03 RMSMAL= 0.000
             RDT   =0.1258E+05 RDR   = 0.000
             RATIOT= 0.000     RATIOR= 0.000
             MAX UN= 0.000     IEQ=    104 NODE     52 DOF   2   X-ROT. F
             MIN UN= 0.000     IEQ=      1 NODE      1 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     1 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.1258E+05 RIMNOR= 0.000
             RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
             RFMAX = 19.00     RMMAX = 0.000
             RTSMAL=0.1000E-03 RMSMAL= 0.000
             RDT   =0.1258E+05 RDR   = 0.000
             RATIOT= 0.000     RATIOR= 0.000
             MAX UN= 0.000     IEQ=    104 NODE     52 DOF   2   X-ROT. F
             MIN UN= 0.000     IEQ=      1 NODE      1 DOF   1  Y-DISPL.F
             NO. OF CONTACT CONSTRAINT VIOLATIONS     0


 ITER     2 RNORM = 0.000     RMNORM= 0.000
             RINORM=0.1258E+05 RIMNOR= 0.000
             RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
             RFMAX = 19.00     RMMAX = 0.000
             RTSMAL=0.1000E-03 RMSMAL= 0.000
             RDT   =0.1258E+05 RDR   = 0.000
             RATIOT= 0.000     RATIOR= 0.000
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          MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
          MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                   1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                          |
 |                                   Exe Time :29 July 2019      19:21:28                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)             (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                   1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                          |
 |                                   Exe Time :29 July 2019      19:21:28                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------
    1 D   0.000       0.000       0.000       0.000       0.000       0.000           UL-RL  4.9931E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
    2 D  0.3800       0.000       3.800       1.900       3.800       1.900           UL-RL  4.9931E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
    3 D  0.7600       0.000       7.600       3.800       7.600       3.800           UL-RL  4.9931E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
    4 D   1.140       0.000       11.40       5.700       11.40       5.700           UL-RL  4.9931E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
    5 D   1.520       0.000       15.20       7.600       15.20       7.600           UL-RL  4.9931E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
    6 D   1.900       0.000       19.00       9.500       19.00       9.500           UL-RL  4.9931E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
    7 D   2.280       0.000       22.80       11.40       22.80       11.40           UL-RL  4.9931E+04  -1.200       0.000       1.000       1.000
11.40       0.000       0.000     Strato1_3095_78023_L_0
    8 D   2.660       0.000       26.60       13.30       26.60       13.30           UL-RL  4.9931E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
    9 D   3.040       0.000       30.40       15.20       30.40       15.20           UL-RL  4.9931E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
   10 D   3.420       0.000       34.20       17.10       34.20       17.10           UL-RL  4.9931E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
   11 D   3.800       0.000       38.00       19.00       38.00       19.00           UL-RL  4.9931E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
   12 D   4.180       0.000       41.80       20.90       41.80       20.90           UL-RL  4.9931E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
   13 D   4.560       0.000       45.60       22.80       45.60       22.80           UL-RL  4.9931E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
   14 D   4.940       0.000       49.40       24.70       49.40       24.70           UL-RL  4.9931E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
   15 D   5.320       0.000       53.20       26.60       53.20       26.60           UL-RL  4.9931E+04  -2.800       0.000       1.000       1.000
26.60       0.000       0.000     Strato1_3095_78023_L_0
   16 D   5.700       0.000       57.00       28.50       57.00       28.50           UL-RL  4.9931E+04  -3.000       0.000       1.000       1.000
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28.50       0.000       0.000     Strato1_3095_78023_L_0
  17 D   6.080       0.000       60.80       30.40       60.80       30.40       UL-RL  4.9931E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000     Strato1_3095_78023_L_0
  18 D   6.460       0.000       64.60       32.30       64.60       32.30       UL-RL  4.9931E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000     Strato1_3095_78023_L_0
  19 D   6.840       0.000       68.40       34.20       68.40       34.20       UL-RL  4.9931E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000     Strato1_3095_78023_L_0
  20 D   7.220       0.000       72.20       36.10       72.20       36.10       UL-RL  4.9931E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000     Strato1_3095_78023_L_0
  21 D   7.600       0.000       76.00       38.00       76.00       38.00       UL-RL  4.9931E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000     Strato1_3095_78023_L_0
  22 D   7.980       0.000       79.80       39.90       79.80       39.90       UL-RL  4.9931E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000     Strato1_3095_78023_L_0
  23 D   8.360       0.000       83.60       41.80       83.60       41.80       UL-RL  4.9931E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000     Strato1_3095_78023_L_0
  24 D   8.740       0.000       87.40       43.70       87.40       43.70       UL-RL  4.9931E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000     Strato1_3095_78023_L_0
  25 D   9.120       0.000       91.20       45.60       91.20       45.60       UL-RL  4.9931E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000     Strato1_3095_78023_L_0
  26 D   9.500       0.000       95.00       47.50       95.00       47.50       UL-RL  4.9931E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_3095_78023_L_0
  27 D   9.880       0.000       98.80       49.40       98.80       49.40       UL-RL  4.9931E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000     Strato1_3095_78023_L_0
  28 D   10.26       0.000       102.6       51.30       102.6       51.30       UL-RL  2.1187E+05  -5.400       0.000       1.000       1.000
51.30       0.000       0.000     Strato2_84780_84781_L_0
  29 D   10.64       0.000       106.4       53.20       106.4       53.20       UL-RL  2.1187E+05  -5.600       0.000       1.000       1.000
53.20       0.000       0.000     Strato2_84780_84781_L_0
  30 D   11.02       0.000       110.2       55.10       110.2       55.10       UL-RL  2.1187E+05  -5.800       0.000       1.000       1.000
55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00       UL-RL  2.1187E+05  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90       UL-RL  2.1187E+05  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80       UL-RL  2.1187E+05  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70       UL-RL  2.1187E+05  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60       UL-RL  2.1187E+05  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50       UL-RL  2.1187E+05  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40       UL-RL  2.1187E+05  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30       UL-RL  2.1187E+05  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20       UL-RL  2.1187E+05  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10       UL-RL  2.1187E+05  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00       UL-RL  2.1187E+05  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90       UL-RL  2.1187E+05  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80       UL-RL  2.1187E+05  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70       UL-RL  2.1187E+05  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60       UL-RL  2.1187E+05  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50       UL-RL  2.1187E+05  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40       UL-RL  2.1187E+05  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30       UL-RL  2.1187E+05  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20       UL-RL  2.1187E+05  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10       UL-RL  2.1187E+05  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00       UL-RL  2.1187E+05  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90       UL-RL  2.1187E+05  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0
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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      19:21:28                                                 |
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S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	3.4650E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	3.4650E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	3.4650E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	3.4650E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	3.4650E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	3.4650E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	3.4650E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	3.4650E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	3.4650E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	3.4650E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	3.4650E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	3.4650E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	3.4650E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	3.4650E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	3.4650E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	3.4650E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	3.4650E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	3.4650E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	3.4650E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	3.4650E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	3.4650E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	3.4650E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	3.4650E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	3.4650E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	3.4650E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	3.4650E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	3.4650E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	1.1483E+05	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	1.1483E+05	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	1.1483E+05	-5.800	0.000	1.000	1.000	55.10	0.000	0.000	Strato2_84780_84781_L_0
31 D	11.40	0.000	114.0	57.00	114.0	57.00	UL-RL	1.1483E+05	-6.000	0.000	1.000	1.000	57.00	0.000	0.000	Strato2_84780_84781_L_0
32 D	11.78	0.000	117.8	58.90	117.8	58.90	UL-RL	1.1483E+05	-6.200	0.000	1.000	1.000	58.90	0.000	0.000	Strato2_84780_84781_L_0
33 D	12.16	0.000	121.6	60.80	121.6	60.80	UL-RL	1.1483E+05	-6.400	0.000	1.000	1.000	60.80	0.000	0.000	Strato2_84780_84781_L_0
34 D	12.54	0.000	125.4	62.70	125.4	62.70	UL-RL	1.1483E+05	-6.600	0.000	1.000	1.000	62.70	0.000	0.000	Strato2_84780_84781_L_0
35 D	12.92	0.000	129.2	64.60	129.2	64.60	UL-RL	1.1483E+05	-6.800	0.000	1.000	1.000	64.60	0.000	0.000	Strato2_84780_84781_L_0

36 D	13.30	0.000	133.0	66.50	133.0	66.50	UL-RL	1.1483E+05	-7.000	0.000	1.000	1.000	66.50
0.000	0.000	Strato2_84780_84781_L_0											
37 D	13.68	0.000	136.8	68.40	136.8	68.40	UL-RL	1.1483E+05	-7.200	0.000	1.000	1.000	68.40
0.000	0.000	Strato2_84780_84781_L_0											
38 D	14.06	0.000	140.6	70.30	140.6	70.30	UL-RL	1.1483E+05	-7.400	0.000	1.000	1.000	70.30
0.000	0.000	Strato2_84780_84781_L_0											
39 D	14.44	0.000	144.4	72.20	144.4	72.20	UL-RL	1.1483E+05	-7.600	0.000	1.000	1.000	72.20
0.000	0.000	Strato2_84780_84781_L_0											
40 D	14.82	0.000	148.2	74.10	148.2	74.10	UL-RL	1.1483E+05	-7.800	0.000	1.000	1.000	74.10
0.000	0.000	Strato2_84780_84781_L_0											
41 D	15.20	0.000	152.0	76.00	152.0	76.00	UL-RL	1.1483E+05	-8.000	0.000	1.000	1.000	76.00
0.000	0.000	Strato2_84780_84781_L_0											
42 D	15.58	0.000	155.8	77.90	155.8	77.90	UL-RL	1.1483E+05	-8.200	0.000	1.000	1.000	77.90
0.000	0.000	Strato2_84780_84781_L_0											
43 D	15.96	0.000	159.6	79.80	159.6	79.80	UL-RL	1.1483E+05	-8.400	0.000	1.000	1.000	79.80
0.000	0.000	Strato2_84780_84781_L_0											
44 D	16.34	0.000	163.4	81.70	163.4	81.70	UL-RL	1.1483E+05	-8.600	0.000	1.000	1.000	81.70
0.000	0.000	Strato2_84780_84781_L_0											
45 D	16.72	0.000	167.2	83.60	167.2	83.60	UL-RL	1.1483E+05	-8.800	0.000	1.000	1.000	83.60
0.000	0.000	Strato2_84780_84781_L_0											
46 D	17.10	0.000	171.0	85.50	171.0	85.50	UL-RL	1.1483E+05	-9.000	0.000	1.000	1.000	85.50
0.000	0.000	Strato2_84780_84781_L_0											
47 D	17.48	0.000	174.8	87.40	174.8	87.40	UL-RL	1.1483E+05	-9.200	0.000	1.000	1.000	87.40
0.000	0.000	Strato2_84780_84781_L_0											
48 D	17.86	0.000	178.6	89.30	178.6	89.30	UL-RL	1.1483E+05	-9.400	0.000	1.000	1.000	89.30
0.000	0.000	Strato2_84780_84781_L_0											
49 D	18.24	0.000	182.4	91.20	182.4	91.20	UL-RL	1.1483E+05	-9.600	0.000	1.000	1.000	91.20
0.000	0.000	Strato2_84780_84781_L_0											
50 D	18.62	0.000	186.2	93.10	186.2	93.10	UL-RL	1.1483E+05	-9.800	0.000	1.000	1.000	93.10
0.000	0.000	Strato2_84780_84781_L_0											
51 D	19.00	0.000	190.0	95.00	190.0	95.00	UL-RL	1.1483E+05	-10.00	0.000	1.000	1.000	95.00
0.000	0.000	Strato2_84780_84781_L_0											
52 D	9.690	0.000	193.8	96.90	193.8	96.90	UL-RL	1.1483E+05	-10.20	0.000	1.000	1.000	96.90
0.000	0.000	Strato2_84780_84781_L_0											

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+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                               |
|                                  Exe Time :29 July 2019      19:21:28                                             |
+-------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
 ---------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
```

```
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
   32  0.0000      0.0000      0.0000      0.0000
   33  0.0000      0.0000      0.0000      0.0000
   34  0.0000      0.0000      0.0000      0.0000
   35  0.0000      0.0000      0.0000      0.0000
   36  0.0000      0.0000      0.0000      0.0000
   37  0.0000      0.0000      0.0000      0.0000
   38  0.0000      0.0000      0.0000      0.0000
   39  0.0000      0.0000      0.0000      0.0000
   40  0.0000      0.0000      0.0000      0.0000
   41  0.0000      0.0000      0.0000      0.0000
   42  0.0000      0.0000      0.0000      0.0000
   43  0.0000      0.0000      0.0000      0.0000
   44  0.0000      0.0000      0.0000      0.0000
   45  0.0000      0.0000      0.0000      0.0000
   46  0.0000      0.0000      0.0000      0.0000
   47  0.0000      0.0000      0.0000      0.0000
   48  0.0000      0.0000      0.0000      0.0000
   49  0.0000      0.0000      0.0000      0.0000
   50  0.0000      0.0000      0.0000      0.0000
   51  0.0000      0.0000      0.0000      0.0000


+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------------
ANCHOR    1   0.0000       0.0000       0.0000       0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 2740.     REMNOR= 0.000     RATIO =0.5485     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.5485     RATIOR= 0.000
           MAX UN= 11.10     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 277.7     REMNOR=0.1416E-22 RATIO =0.1746     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.1746     RATIOR= 0.000
           MAX UN= 5.043     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2203E-11 IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 404.6     REMNOR=0.1219E-21 RATIO =0.2108     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.2108     RATIOR= 0.000
           MAX UN= 12.26     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1223E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
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           RINORM= 9106.      RIMNOR= 0.000
           RENORM= 60.75      REMNOR=0.6660E-22 RATIO =0.8168E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.      RDR   = 0.000
           RATIOT=0.8168E-01 RATIOR= 0.000
           MAX UN= 7.669      IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.6625E-10 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000      RMNORM= 0.000
           RINORM= 9106.      RIMNOR= 0.000
           RENORM=0.7063E-01 REMNOR=0.4590E-22 RATIO =0.2785E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.      RDR   = 0.000
           RATIOT=0.2785E-02 RATIOR= 0.000
           MAX UN=0.2658      IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.3559E-10 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000      RMNORM= 0.000
           RINORM= 9106.      RIMNOR= 0.000
           RENORM=0.2274E-19 REMNOR=0.8395E-22 RATIO =0.1580E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.75      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.      RDR   = 0.000
           RATIOT=0.1580E-11 RATIOR= 0.000
           MAX UN=0.5457E-10 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.7156E-10 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                   |
|                                  Exe Time :29 July 2019      19:21:28                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   2.1283799E-03   1.0574121E-02
    2   4.2432040E-03   1.0574121E-02
    3   6.3535796E-03   1.0507392E-02
    4   8.4373321E-03   1.0308234E-02
    5   1.0468217E-02   9.9792306E-03
    6   1.2420611E-02   9.5240310E-03
    7   1.4269732E-02   8.9473702E-03
    8   1.5991852E-02   8.2550955E-03
    9   1.7564528E-02   7.4541874E-03
   10   1.8966848E-02   6.5531027E-03
   11   2.0179774E-02   5.5620923E-03
   12   2.1186486E-02   4.4930947E-03
   13   2.1972714E-02   3.3596299E-03
   14   2.2527042E-02   2.1767229E-03
   15   2.2841204E-02   9.6083692E-04
   16   2.2910368E-02  -2.7017539E-04
   17   2.2733404E-02  -1.4971229E-03
   18   2.2313148E-02  -2.6996192E-03
   19   2.1656607E-02  -3.8563632E-03
   20   2.0775131E-02  -4.9451829E-03
   21   1.9684604E-02  -5.9430259E-03
   22   1.8405586E-02  -6.8259688E-03
   23   1.6963532E-02  -7.5691785E-03
   24   1.5388946E-02  -8.1469248E-03
   25   1.3717569E-02  -8.5325679E-03
   26   1.1990563E-02  -8.6985514E-03
   27   1.0254700E-02  -8.6163977E-03
   28   8.5625153E-03  -8.2566994E-03
   29   6.9691029E-03  -7.6407569E-03
   30   5.5184623E-03  -6.8410679E-03
   31   4.2403693E-03  -5.9259742E-03
   32   3.1517401E-03  -4.9559479E-03
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33	2.2580806E-03	-3.9846495E-03
34	1.5547586E-03	-3.0601758E-03
35	1.0279710E-03	-2.2262916E-03
36	6.5600141E-04	-1.5160158E-03
37	4.1239377E-04	-9.4331982E-04
38	2.6968807E-04	-5.0542456E-04
39	2.0211301E-04	-1.8919340E-04
40	1.8714071E-04	2.3987799E-05
41	2.0620770E-04	1.5466264E-04
42	2.4484370E-04	2.2290646E-04
43	2.9241698E-04	2.4685075E-04
44	3.4165820E-04	2.4190807E-04
45	3.8808205E-04	2.2049634E-04
46	4.2939018E-04	1.9208974E-04
47	4.6490300E-04	1.6345895E-04
48	4.9505136E-04	1.3899214E-04
49	5.2093295E-04	1.2102181E-04
50	5.4393100E-04	1.1011696E-04
51	5.6538587E-04	1.0530588E-04
52	5.8630165E-04	1.0421153E-04

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63
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1468.1 - GA27 - Cepav2

S T R E S S R E S U L T S F O R G R O U P N O. 1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	-2.1284E-03	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.2428	-4.2432E-03	3.806	1.214	3.806	1.903	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	1.214	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.4880	-6.3536E-03	7.649	2.440	7.649	3.825	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	2.440	0.000	0.000	Strato1_3095_78023_L_0
4 D	0.7375	-8.4373E-03	11.56	3.687	11.56	5.780	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	3.687	0.000	0.000	Strato1_3095_78023_L_0
5 D	0.9924	-1.0468E-02	15.55	4.962	15.55	7.777	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	4.962	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.253	-1.2421E-02	19.64	6.266	19.64	9.821	ACTIVE	0.000	-1.000	0.000	1.000	1.000	6.266	0.000	0.000	Strato1_3095_78023_L_0
7 D	1.520	-1.4270E-02	23.82	7.598	23.82	11.91	ACTIVE	0.000	-1.200	0.000	1.000	1.000	7.598	0.000	0.000	Strato1_3095_78023_L_0
8 D	1.791	-1.5992E-02	28.07	8.953	28.07	14.03	ACTIVE	0.000	-1.400	0.000	1.000	1.000	8.953	0.000	0.000	Strato1_3095_78023_L_0
9 D	2.220	-1.7565E-02	34.79	11.10	34.79	17.40	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.10	0.000	0.000	Strato1_3095_78023_L_0
10 D	2.641	-1.8967E-02	41.40	13.21	41.40	20.70	ACTIVE	0.000	-1.800	0.000	1.000	1.000	13.21	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.020	-2.0180E-02	47.33	15.10	47.33	23.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000	15.10	0.000	0.000	Strato1_3095_78023_L_0
12 D	3.391	-2.1186E-02	53.16	16.96	53.16	26.58	ACTIVE	0.000	-2.200	0.000	1.000	1.000	16.96	0.000	0.000	Strato1_3095_78023_L_0
13 D	3.733	-2.1973E-02	58.52	18.67	58.52	29.26	ACTIVE	0.000	-2.400	0.000	1.000	1.000	18.67	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.074	-2.2527E-02	63.85	20.37	63.85	31.93	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.37	0.000	0.000	Strato1_3095_78023_L_0
15 D	4.392	-2.2841E-02	68.84	21.96	68.84	34.42	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.96	0.000	0.000	Strato1_3095_78023_L_0
16 D	4.711	-2.2910E-02	73.85	23.56	73.85	36.92	ACTIVE	0.000	-3.000	0.000	1.000	1.000	23.56	0.000	0.000	Strato1_3095_78023_L_0
17 D	4.950	-2.2733E-02	77.59	24.75	77.59	38.79	ACTIVE	0.000	-3.200	0.000	1.000	1.000	24.75	0.000	0.000	Strato1_3095_78023_L_0
18 D	5.154	-2.2313E-02	80.78	25.77	80.78	40.39	ACTIVE	0.000	-3.400	0.000	1.000	1.000	25.77	0.000	0.000	Strato1_3095_78023_L_0
19 D	5.360	-2.1657E-02	84.02	26.80	84.02	42.01	ACTIVE	0.000	-3.600	0.000	1.000	1.000	26.80	0.000	0.000	Strato1_3095_78023_L_0

20 D	5.569	-2.0775E-02	87.29	27.85	87.29	43.64	ACTIVE	0.000	-3.800	0.000	1.000	1.000	27.85
0.000	0.000	Strato1_3095_78023_L_0											
21 D	5.780	-1.9685E-02	90.60	28.90	90.60	45.30	ACTIVE	0.000	-4.000	0.000	1.000	1.000	28.90
0.000	0.000	Strato1_3095_78023_L_0											
22 D	5.993	-1.8406E-02	93.94	29.97	93.94	46.97	ACTIVE	0.000	-4.200	0.000	1.000	1.000	29.97
0.000	0.000	Strato1_3095_78023_L_0											
23 D	6.208	-1.6964E-02	97.30	31.04	97.30	48.65	ACTIVE	0.000	-4.400	0.000	1.000	1.000	31.04
0.000	0.000	Strato1_3095_78023_L_0											
24 D	6.425	-1.5389E-02	100.7	32.12	100.7	50.35	ACTIVE	0.000	-4.600	0.000	1.000	1.000	32.12
0.000	0.000	Strato1_3095_78023_L_0											
25 D	6.643	-1.3718E-02	104.1	33.21	104.1	52.06	ACTIVE	0.000	-4.800	0.000	1.000	1.000	33.21
0.000	0.000	Strato1_3095_78023_L_0											
26 D	6.862	-1.1991E-02	107.6	34.31	107.6	53.78	ACTIVE	0.000	-5.000	0.000	1.000	1.000	34.31
0.000	0.000	Strato1_3095_78023_L_0											
27 D	7.083	-1.0255E-02	111.0	35.41	111.0	55.51	ACTIVE	0.000	-5.200	0.000	1.000	1.000	35.41
0.000	0.000	Strato1_3095_78023_L_0											
28 D	1.695	-8.5625E-03	114.5	8.474	114.5	57.24	ACTIVE	0.000	-5.400	0.000	1.000	1.000	8.474
0.000	0.000	Strato2_84780_84781_L_0											
29 D	1.868	-6.9691E-03	118.0	9.340	118.0	58.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000	9.340
0.000	0.000	Strato2_84780_84781_L_0											
30 D	2.042	-5.5185E-03	121.5	10.21	121.5	60.75	ACTIVE	0.000	-5.800	0.000	1.000	1.000	10.21
0.000	0.000	Strato2_84780_84781_L_0											
31 D	2.217	-4.2404E-03	125.0	11.08	125.0	62.51	ACTIVE	0.000	-6.000	0.000	1.000	1.000	11.08
0.000	0.000	Strato2_84780_84781_L_0											
32 D	2.392	-3.1517E-03	128.6	11.96	128.6	64.28	ACTIVE	0.000	-6.200	0.000	1.000	1.000	11.96
0.000	0.000	Strato2_84780_84781_L_0											
33 D	2.568	-2.2581E-03	132.1	12.84	132.1	66.05	ACTIVE	0.000	-6.400	0.000	1.000	1.000	12.84
0.000	0.000	Strato2_84780_84781_L_0											
34 D	2.745	-1.5548E-03	135.7	13.72	135.7	67.83	ACTIVE	0.000	-6.600	0.000	1.000	1.000	13.72
0.000	0.000	Strato2_84780_84781_L_0											
35 D	5.211	-1.0280E-03	139.2	26.06	139.2	69.62	UL-RL	4.2375E+04	-6.800	0.000	1.000	1.000	26.06
0.000	0.000	Strato2_84780_84781_L_0											
36 D	8.722	-6.5600E-04	142.8	43.61	142.8	71.41	UL-RL	4.2375E+04	-7.000	0.000	1.000	1.000	43.61
0.000	0.000	Strato2_84780_84781_L_0											
37 D	11.15	-4.1239E-04	146.4	55.73	146.4	73.20	UL-RL	4.2375E+04	-7.200	0.000	1.000	1.000	55.73
0.000	0.000	Strato2_84780_84781_L_0											
38 D	12.71	-2.6969E-04	150.0	63.57	150.0	75.00	UL-RL	4.2375E+04	-7.400	0.000	1.000	1.000	63.57
0.000	0.000	Strato2_84780_84781_L_0											
39 D	13.65	-2.0211E-04	153.6	68.24	153.6	76.80	UL-RL	4.2375E+04	-7.600	0.000	1.000	1.000	68.24
0.000	0.000	Strato2_84780_84781_L_0											
40 D	14.14	-1.8714E-04	157.2	70.68	157.2	78.61	UL-RL	4.2375E+04	-7.800	0.000	1.000	1.000	70.68
0.000	0.000	Strato2_84780_84781_L_0											
41 D	14.34	-2.0621E-04	160.8	71.69	160.8	80.42	UL-RL	4.2375E+04	-8.000	0.000	1.000	1.000	71.69
0.000	0.000	Strato2_84780_84781_L_0											
42 D	14.37	-2.4484E-04	164.5	71.86	164.5	82.24	UL-RL	4.2375E+04	-8.200	0.000	1.000	1.000	71.86
0.000	0.000	Strato2_84780_84781_L_0											
43 D	14.33	-2.9242E-04	168.1	71.67	168.1	84.06	UL-RL	4.2375E+04	-8.400	0.000	1.000	1.000	71.67
0.000	0.000	Strato2_84780_84781_L_0											
44 D	14.28	-3.4166E-04	171.8	71.40	171.8	85.88	UL-RL	4.2375E+04	-8.600	0.000	1.000	1.000	71.40
0.000	0.000	Strato2_84780_84781_L_0											
45 D	14.25	-3.8808E-04	175.4	71.26	175.4	87.70	UL-RL	4.2375E+04	-8.800	0.000	1.000	1.000	71.26
0.000	0.000	Strato2_84780_84781_L_0											
46 D	14.27	-4.2939E-04	179.1	71.33	179.1	89.53	UL-RL	4.2375E+04	-9.000	0.000	1.000	1.000	71.33
0.000	0.000	Strato2_84780_84781_L_0											
47 D	14.33	-4.6490E-04	182.7	71.66	182.7	91.36	UL-RL	4.2375E+04	-9.200	0.000	1.000	1.000	71.66
0.000	0.000	Strato2_84780_84781_L_0											
48 D	14.44	-4.9505E-04	186.4	72.21	186.4	93.19	UL-RL	4.2375E+04	-9.400	0.000	1.000	1.000	72.21
0.000	0.000	Strato2_84780_84781_L_0											
49 D	14.59	-5.2093E-04	190.1	72.97	190.1	95.05	UL-RL	4.2375E+04	-9.600	0.000	1.000	1.000	72.97
0.000	0.000	Strato2_84780_84781_L_0											
50 D	14.77	-5.4393E-04	193.8	73.86	193.8	96.91	UL-RL	4.2375E+04	-9.800	0.000	1.000	1.000	73.86
0.000	0.000	Strato2_84780_84781_L_0											
51 D	14.96	-5.6539E-04	197.5	74.81	197.5	98.77	UL-RL	4.2375E+04	-10.00	0.000	1.000	1.000	74.81
0.000	0.000	Strato2_84780_84781_L_0											
52 D	7.579	-5.8630E-04	201.3	75.79	201.3	100.6	UL-RL	4.2375E+04	-10.20	0.000	1.000	1.000	75.79
0.000	0.000	Strato2_84780_84781_L_0											

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                     |
|                                  Exe Time :29 July 2019      19:21:28                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                          :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
C U R R E N T   T I M E   I S     3.0000
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HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28 D	18.88	8.5625E-03	0.9500	94.39	102.6	94.39	PASSIVE	0.000	-5.400	0.000	1.000	1.000
94.39	0.000	0.000	Strato2_84780_84781_L_0									
29 D	19.06	6.9691E-03	4.750	95.31	106.4	95.31	V-C	8050.	-5.600	0.000	1.000	1.000
95.31	0.000	0.000	Strato2_84780_84781_L_0									
30 D	17.25	5.5185E-03	8.550	86.27	110.2	86.27	V-C	8050.	-5.800	0.000	1.000	1.000
86.27	0.000	0.000	Strato2_84780_84781_L_0									
31 D	15.68	4.2404E-03	12.35	78.39	114.0	78.39	V-C	8050.	-6.000	0.000	1.000	1.000
78.39	0.000	0.000	Strato2_84780_84781_L_0									
32 D	14.38	3.1517E-03	16.15	71.91	117.8	71.91	V-C	8050.	-6.200	0.000	1.000	1.000
71.91	0.000	0.000	Strato2_84780_84781_L_0									
33 D	13.38	2.2581E-03	19.95	66.92	121.6	66.92	V-C	8050.	-6.400	0.000	1.000	1.000
66.92	0.000	0.000	Strato2_84780_84781_L_0									
34 D	12.68	1.5548E-03	23.75	63.41	125.4	63.41	V-C	8050.	-6.600	0.000	1.000	1.000
63.41	0.000	0.000	Strato2_84780_84781_L_0									
35 D	10.93	1.0280E-03	27.55	54.66	129.2	64.60	UL-RL	2.4150E+04	-6.800	0.000	1.000	1.000
54.66	0.000	0.000	Strato2_84780_84781_L_0									
36 D	9.626	6.5600E-04	31.35	48.13	133.0	66.50	UL-RL	2.4150E+04	-7.000	0.000	1.000	1.000
48.13	0.000	0.000	Strato2_84780_84781_L_0									
37 D	8.926	4.1239E-04	35.15	44.63	136.8	68.40	UL-RL	2.4150E+04	-7.200	0.000	1.000	1.000
44.63	0.000	0.000	Strato2_84780_84781_L_0									
38 D	8.703	2.6969E-04	38.95	43.51	140.6	70.30	UL-RL	2.4150E+04	-7.400	0.000	1.000	1.000
43.51	0.000	0.000	Strato2_84780_84781_L_0									
39 D	8.833	2.0211E-04	42.75	44.17	144.4	72.20	UL-RL	2.4150E+04	-7.600	0.000	1.000	1.000

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44.17       0.000       0.000     Strato2_84780_84781_L_0
  40 D   9.210      1.8714E-04  46.55       46.05       148.2       74.10       UL-RL  2.4150E+04  -7.800      0.000       1.000       1.000
46.05       0.000       0.000     Strato2_84780_84781_L_0
  41 D   9.744      2.0621E-04  50.35       48.72       152.0       76.00       UL-RL  2.4150E+04  -8.000      0.000       1.000       1.000
48.72       0.000       0.000     Strato2_84780_84781_L_0
  42 D   10.37      2.4484E-04  54.15       51.84       155.8       77.90       UL-RL  2.4150E+04  -8.200      0.000       1.000       1.000
51.84       0.000       0.000     Strato2_84780_84781_L_0
  43 D   11.03      2.9242E-04  57.95       55.15       159.6       79.80       UL-RL  2.4150E+04  -8.400      0.000       1.000       1.000
55.15       0.000       0.000     Strato2_84780_84781_L_0
  44 D   11.70      3.4166E-04  61.75       58.48       163.4       81.70       UL-RL  2.4150E+04  -8.600      0.000       1.000       1.000
58.48       0.000       0.000     Strato2_84780_84781_L_0
  45 D   12.34      3.8808E-04  65.55       61.72       167.2       83.60       UL-RL  2.4150E+04  -8.800      0.000       1.000       1.000
61.72       0.000       0.000     Strato2_84780_84781_L_0
  46 D   12.96      4.2939E-04  69.35       64.82       171.0       85.50       UL-RL  2.4150E+04  -9.000      0.000       1.000       1.000
64.82       0.000       0.000     Strato2_84780_84781_L_0
  47 D   13.55      4.6490E-04  73.15       67.77       174.8       87.40       UL-RL  2.4150E+04  -9.200      0.000       1.000       1.000
67.77       0.000       0.000     Strato2_84780_84781_L_0
  48 D   14.11      4.9505E-04  76.95       70.57       178.6       89.30       UL-RL  2.4150E+04  -9.400      0.000       1.000       1.000
70.57       0.000       0.000     Strato2_84780_84781_L_0
  49 D   14.65      5.2093E-04  80.75       73.26       182.4       91.20       UL-RL  2.4150E+04  -9.600      0.000       1.000       1.000
73.26       0.000       0.000     Strato2_84780_84781_L_0
  50 D   15.17      5.4393E-04  84.55       75.87       186.2       93.10       UL-RL  2.4150E+04  -9.800      0.000       1.000       1.000
75.87       0.000       0.000     Strato2_84780_84781_L_0
  51 D   15.69      5.6539E-04  88.35       78.44       190.0       95.00       UL-RL  2.4150E+04  -10.00      0.000       1.000       1.000
78.44       0.000       0.000     Strato2_84780_84781_L_0
  52 D   8.098      5.8630E-04  92.15       80.98       193.8       96.90       UL-RL  2.4150E+04  -10.20      0.000       1.000       1.000
80.98       0.000       0.000     Strato2_84780_84781_L_0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                           |
|                                  Exe Time :29 July 2019      19:21:28                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------------
    1-5.58220E-13 5.58220E-13-7.77711E-14-4.50862E-13
    2 -31.643      31.643     6.50313E-13 -6.3286
    3 -31.155      31.155      6.3286     -12.560
    4 -30.417      30.417      12.560     -18.643
    5 -29.425      29.425      18.643     -24.528
    6 -28.172      28.172      24.528     -30.162
    7 -26.652      26.652      30.162     -35.493
    8 -24.862      24.862      35.493     -40.465
    9 -22.642      22.642      40.465     -44.994
   10 -20.001      20.001      44.994     -48.994
   11 -16.981      16.981      48.994     -52.390
   12 -13.589      13.589      52.390     -55.108
   13 -9.8561      9.8561      55.108     -57.079
   14 -5.7824      5.7824      57.079     -58.235
   15 -1.3905      1.3905      58.235     -58.513
   16  3.3209     -3.3209      58.513     -57.849
   17  8.2709     -8.2709      57.849     -56.195
   18  13.425     -13.425      56.195     -53.510
   19  18.785     -18.785      53.510     -49.753
   20  24.354     -24.354      49.753     -44.882
   21  30.134     -30.134      44.882     -38.856
   22  36.127     -36.127      38.856     -31.630
   23  42.335     -42.335      31.630     -23.163
   24  48.760     -48.760      23.163     -13.411
   25  55.402     -55.402      13.411     -2.3307
   26  62.264     -62.264      2.3307      10.122
   27  69.347     -69.347     -10.122      23.992
   28  52.164     -52.164     -23.992      34.424
   29  34.969     -34.969     -34.424      41.418
   30  19.756     -19.756     -41.418      45.369
   31  6.2952     -6.2952     -45.369      46.628
   32 -5.6942      5.6942     -46.628      45.489
   33 -16.510      16.510     -45.489      42.187
   34 -26.447      26.447     -42.187      36.898
   35 -32.167      32.167     -36.898      30.464
```

```
    36 -33.071      33.071     -30.464      23.850
    37 -30.852      30.852     -23.850      17.680
    38 -26.841      26.841     -17.680      12.312
    39 -22.026      22.026     -12.312      7.9065
    40 -17.099      17.099     -7.9065      4.4867
    41 -12.506      12.506     -4.4867      1.9855
    42 -8.5009      8.5009     -1.9855     0.28535
    43 -5.1973      5.1973    -0.28535    -0.75411
    44 -2.6124      2.6124     0.75411     -1.2766
    45-0.70452     0.70452      1.2766     -1.4175
    46 0.59821    -0.59821      1.4175     -1.2978
    47  1.3763     -1.3763      1.2978     -1.0226
    48  1.7043     -1.7043      1.0226    -0.68172
    49  1.6461     -1.6461     0.68172    -0.35250
    50  1.2436     -1.2436     0.35250    -0.10379
    51 0.51891    -0.51891     0.10379    -7.74866E-14



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                   |
|                                    Exe Time :29 July 2019      19:21:28                                                 |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   93.228       0.0000      1.45126E-03   0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.Nominal_63                                   |
|                                    Exe Time :29 July 2019      19:21:28                                                 |
+-------------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                      2
        2           CONVERGENCE :YES                      2
        3           CONVERGENCE :YES                      6



 END OF PROCESS FOR PROBLEM
1468.1 - GA27 - Cepav2
NONLINEAR SOLUTION CPU TIME ....    0.03 [sec]
DATABASE  CREATION CPU TIME.....    0.12 [sec]
```

5.3. Design Assumption : SLE (Rara) - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)
 * Time:lunedì 29 luglio 2019 19:21:29
 * 1: Defining general settings
 UNIT  m kN
 TITLE 1468.1 - GA27 - Cepav2
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -10.2 0 1

 * 3: Defining surfaces for wall(s)
```

```
SOIL 0_L LeftWall_32 -10.2 0 1 0
SOIL 0_R LeftWall_32 -10.2 0 2 180

* 4: Defining soil layers
*
* Soil Profile (Strato1_3095_78023_L_0)
*
LDATA Strato1_3095_78023_L_0 0 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 19 9 10
PERMEABILITY 1E-05
RESISTANCE 0 29
YOUNG 2.5E+04 4E+04
ENDL
*
* Soil Profile (Strato2_84780_84781_L_0)
*
LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 19 9 10
PERMEABILITY 1E-05
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 113 Name=S275 E=210000000 kPa
MATERIAL S275_113 2.1E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 78036 Name=S275 E=210000000 kPa
MATERIAL S275_78036 2.1E+08

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0


* 6.2: Supports
WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0




* 6.3: Strips
STRIP LeftWall_32 3 3 2.33 3 0 52.08 30

* 7: Defining Steps
STEP Stage0_86326
CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ENDSTEP

STEP Stage1_31
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ADD WallElement_33 Tieback_78031
ENDSTEP

STEP Stage2_158
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
```

```
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -5.35
WATER -17 0 -10.2 0 0
ENDSTEP
```

5.4. Design Assumption : SLE (Rara) - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

                    ***********************************************************
                    *                                                         *
                    *  PARATIE PLUS Non-Linear Spring Engine                  *
                    *                                                         *
                    *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                    *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                    *                                                         *
                    *          Written by Ce.A.S. s.r.l. (ITALY)              *
                    *          with the scientific supervision of             *
                    *          Roberto Nova - full professor SOIL MECHANICS   *
                    *          at Politecnico di Milano (ITALY)               *
                    *                                                         *
                    ***********************************************************
                    *                                                         *
                    *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                    *                                                         *
                    *                                                         *
                    *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                    *              VIALE   GIUSTINIANO 10                     *
                    *              20129   M I L A N O  (ITALIA)              *
                    *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                    *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                    *  email       bruno.becci@ceas.it                        *
                    *  Web Page    www.ceas.it                                *
                    ***********************************************************



 JOB : 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454
 STARTING
ACCEPTED   <FILE,GENW                                                          >
ACCEPTED   <FILE,PLOTTER,BINARY                                                >
ACCEPTED   <SOLVE TOTAL_STRESS                                                 >
ACCEPTED   <PARAM ITEMAX 100                                                   >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                      >


                    ***********************************************************
                    *                                                         *
                    *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                    *    BY THE PROGRAM.                                      *
                    ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


1468.1 - GA27 - Cepav2


NO. OF NODAL POINTS (NUMNP) ...................   52
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)......................  104
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    4
NO. OF SOLUTION STEPS (NSTE)...................    3
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   68
NO. OF LONG NAMES (LASTNAME) ..................   16
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     68

    1 : UNIT  m kN
    2 : TITLE 1468.1 - GA27 - Cepav2
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -10.2 0 1
    7 : SOIL 0_L LeftWall_32 -10.2 0 1 0
    8 : SOIL 0_R LeftWall_32 -10.2 0 2 180
    9 : LDATA Strato1_3095_78023_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-05
   13 : RESISTANCE 0 29
   14 : YOUNG 2.5E+04 4E+04
   15 : ENDL
   16 : LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 19 9 10
   19 : PERMEABILITY 1E-05
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
```

```
23 : MATERIAL S275_113 2.1E+08
24 : MATERIAL C2530_104 3.148E+07
25 : MATERIAL S275_78036 2.1E+08
26 : BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0
27 : WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0
28 : STRIP LeftWall_32 3 3 2.33 3 0 52.08 30
29 : STEP Stage0_86326
30 : CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
31 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
32 : CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
33 : CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
34 : CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
35 : CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
36 : CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
37 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
38 : CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
39 : CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
40 : CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
41 : CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
42 : CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
43 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
44 : CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
45 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
46 : SETWALL LeftWall_32
47 : GEOM 0 0
48 : WATER -17 0 -10.2 0 0
49 : ENDSTEP
50 : STEP Stage1_31
51 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
52 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
53 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
54 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
55 : SETWALL LeftWall_32
56 : GEOM 0 0
57 : WATER -17 0 -10.2 0 0
58 : ADD WallElement_33 Tieback_78031
59 : ENDSTEP
60 : STEP Stage2_158
61 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
62 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
63 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
64 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
65 : SETWALL LeftWall_32
66 : GEOM 0 -5.35
67 : WATER -17 0 -10.2 0 0
68 : ENDSTEP
```

```
+------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                        |
|                                   1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                 |
|                                    Exe Time :29 July 2019      19:21:29                                               |
+------------------------------------------------------------------------------------------------------------------------+
```

N O D A L   P O I N T   D A T A

NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/	2	0.0000	-0.20000	/	3	0.0000	-0.40000	/	4	0.0000	-0.60000	/
5	0.0000	-0.80000	/	6	0.0000	-1.0000	/	7	0.0000	-1.2000	/	8	0.0000	-1.4000	/
9	0.0000	-1.6000	/	10	0.0000	-1.8000	/	11	0.0000	-2.0000	/	12	0.0000	-2.2000	/
13	0.0000	-2.4000	/	14	0.0000	-2.6000	/	15	0.0000	-2.8000	/	16	0.0000	-3.0000	/
17	0.0000	-3.2000	/	18	0.0000	-3.4000	/	19	0.0000	-3.6000	/	20	0.0000	-3.8000	/
21	0.0000	-4.0000	/	22	0.0000	-4.2000	/	23	0.0000	-4.4000	/	24	0.0000	-4.6000	/
25	0.0000	-4.8000	/	26	0.0000	-5.0000	/	27	0.0000	-5.2000	/	28	0.0000	-5.4000	/
29	0.0000	-5.6000	/	30	0.0000	-5.8000	/	31	0.0000	-6.0000	/	32	0.0000	-6.2000	/
33	0.0000	-6.4000	/	34	0.0000	-6.6000	/	35	0.0000	-6.8000	/	36	0.0000	-7.0000	/
37	0.0000	-7.2000	/	38	0.0000	-7.4000	/	39	0.0000	-7.6000	/	40	0.0000	-7.8000	/
41	0.0000	-8.0000	/	42	0.0000	-8.2000	/	43	0.0000	-8.4000	/	44	0.0000	-8.6000	/
45	0.0000	-8.8000	/	46	0.0000	-9.0000	/	47	0.0000	-9.2000	/	48	0.0000	-9.4000	/
49	0.0000	-9.6000	/	50	0.0000	-9.8000	/	51	0.0000	-10.000	/	52	0.0000	-10.200	/

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                         |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....     .....     .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    2   0.2000     0.000     0.000     0.000     1.000
   29   29    2   0.2000     0.000     0.000     0.000     1.000
   30   30    2   0.2000     0.000     0.000     0.000     1.000
   31   31    2   0.2000     0.000     0.000     0.000     1.000
   32   32    2   0.2000     0.000     0.000     0.000     1.000
   33   33    2   0.2000     0.000     0.000     0.000     1.000
   34   34    2   0.2000     0.000     0.000     0.000     1.000
   35   35    2   0.2000     0.000     0.000     0.000     1.000
   36   36    2   0.2000     0.000     0.000     0.000     1.000
   37   37    2   0.2000     0.000     0.000     0.000     1.000
   38   38    2   0.2000     0.000     0.000     0.000     1.000
   39   39    2   0.2000     0.000     0.000     0.000     1.000
   40   40    2   0.2000     0.000     0.000     0.000     1.000
   41   41    2   0.2000     0.000     0.000     0.000     1.000
   42   42    2   0.2000     0.000     0.000     0.000     1.000
   43   43    2   0.2000     0.000     0.000     0.000     1.000
```

44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	2	0.2000	0.000	0.000	0.000	2.000
29	29	2	0.2000	0.000	0.000	0.000	2.000
30	30	2	0.2000	0.000	0.000	0.000	2.000
31	31	2	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000

34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                         |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                 :
   2  51   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future .............0.182200E-43

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000

 element data
```

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.8153E-01	0.000	0.000
2	2	3	1	0.000	0.000	0.8153E-01	0.000	0.000
3	3	4	1	0.000	0.000	0.8153E-01	0.000	0.000
4	4	5	1	0.000	0.000	0.8153E-01	0.000	0.000
5	5	6	1	0.000	0.000	0.8153E-01	0.000	0.000
6	6	7	1	0.000	0.000	0.8153E-01	0.000	0.000
7	7	8	1	0.000	0.000	0.8153E-01	0.000	0.000
8	8	9	1	0.000	0.000	0.8153E-01	0.000	0.000
9	9	10	1	0.000	0.000	0.8153E-01	0.000	0.000
10	10	11	1	0.000	0.000	0.8153E-01	0.000	0.000
11	11	12	1	0.000	0.000	0.8153E-01	0.000	0.000
12	12	13	1	0.000	0.000	0.8153E-01	0.000	0.000
13	13	14	1	0.000	0.000	0.8153E-01	0.000	0.000
14	14	15	1	0.000	0.000	0.8153E-01	0.000	0.000
15	15	16	1	0.000	0.000	0.8153E-01	0.000	0.000
16	16	17	1	0.000	0.000	0.8153E-01	0.000	0.000
17	17	18	1	0.000	0.000	0.8153E-01	0.000	0.000
18	18	19	1	0.000	0.000	0.8153E-01	0.000	0.000
19	19	20	1	0.000	0.000	0.8153E-01	0.000	0.000
20	20	21	1	0.000	0.000	0.8153E-01	0.000	0.000

21	21	22	1	0.000	0.000	0.8153E-01	0.000	0.000
22	22	23	1	0.000	0.000	0.8153E-01	0.000	0.000
23	23	24	1	0.000	0.000	0.8153E-01	0.000	0.000
24	24	25	1	0.000	0.000	0.8153E-01	0.000	0.000
25	25	26	1	0.000	0.000	0.8153E-01	0.000	0.000
26	26	27	1	0.000	0.000	0.8153E-01	0.000	0.000
27	27	28	1	0.000	0.000	0.8153E-01	0.000	0.000
28	28	29	1	0.000	0.000	0.8153E-01	0.000	0.000
29	29	30	1	0.000	0.000	0.8153E-01	0.000	0.000
30	30	31	1	0.000	0.000	0.8153E-01	0.000	0.000
31	31	32	1	0.000	0.000	0.8153E-01	0.000	0.000
32	32	33	1	0.000	0.000	0.8153E-01	0.000	0.000
33	33	34	1	0.000	0.000	0.8153E-01	0.000	0.000
34	34	35	1	0.000	0.000	0.8153E-01	0.000	0.000
35	35	36	1	0.000	0.000	0.8153E-01	0.000	0.000
36	36	37	1	0.000	0.000	0.8153E-01	0.000	0.000
37	37	38	1	0.000	0.000	0.8153E-01	0.000	0.000
38	38	39	1	0.000	0.000	0.8153E-01	0.000	0.000
39	39	40	1	0.000	0.000	0.8153E-01	0.000	0.000
40	40	41	1	0.000	0.000	0.8153E-01	0.000	0.000
41	41	42	1	0.000	0.000	0.8153E-01	0.000	0.000
42	42	43	1	0.000	0.000	0.8153E-01	0.000	0.000
43	43	44	1	0.000	0.000	0.8153E-01	0.000	0.000
44	44	45	1	0.000	0.000	0.8153E-01	0.000	0.000
45	45	46	1	0.000	0.000	0.8153E-01	0.000	0.000
46	46	47	1	0.000	0.000	0.8153E-01	0.000	0.000
47	47	48	1	0.000	0.000	0.8153E-01	0.000	0.000
48	48	49	1	0.000	0.000	0.8153E-01	0.000	0.000
49	49	50	1	0.000	0.000	0.8153E-01	0.000	0.000
50	50	51	1	0.000	0.000	0.8153E-01	0.000	0.000
51	51	52	1	0.000	0.000	0.8153E-01	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                         |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tieback_78031                  :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.........2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) angle          70.0000
 prop( 2) young modulus 0.210000E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
------------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------------

    1    2    1   0.3059E-03 0.000     0.000     0.000
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                    |
|                                  Exe Time :29 July 2019      19:21:29                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................    6
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                    |
|                                  Exe Time :29 July 2019      19:21:29                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       4.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       4.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       4.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       4.00000    0.1000E+01



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
```

```
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       4.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       4.00000    0.1000E+01


NO. OF DISTRIBUTED LOAD CARDS     0




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.       1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.       1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.       1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.       1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     6 VALUES
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+-------------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                       |
|                                     Exe Time :29 July 2019      19:21:29                                                      |
+-------------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -17.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                   0.000         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                     -0.9990E+30   -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -10.20        -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000

=================================================================================================end of step    1


STEP  NO.     2
                                        LEFT WALL    RIGHT WALL
Y                                        0.000       -0.9990E+30
Z-PC                                     0.000         0.000
Z-EXCAVATION                             0.000         0.000
Z-WATER_TABLE                           -17.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL                0.000         0.000
ZQ                                       0.000         0.000
DZW_OF_THE_WATER_TABLE                   0.000         0.000
QS_ON_THE_EXCAVATION_SIDE                0.000         0.000
ZQS                                     -0.9990E+30   -0.9990E+30
ZCUT                                     0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES        -10.20        -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)        0.000         0.000
PORE_UPDATE_FLAG                         0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)         0.000         0.000
lateral thrusts reduction elevatio       0.000         0.000
Downhill reduction factor for effe       0.000         0.000
Downhill reduction factor for pore       0.000         0.000
Uphill reduction factor for effect       0.000         0.000
Uphill reduction factor for pore p       0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]         0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]        0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]        0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]          0.000         0.000
UPHILL DELTA/PHI RATIO                   0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
DOWNHILL DELTA/PHI RATIO                 0.000         0.000
DYN.WATER BEHAVIOUR                      0.000         0.000
Excess pore pressure RATIO Ru            0.000         0.000
SEISMIC PRESSURE LOWER VALUE             0.000         0.000
SEISMIC PRESSURE UPPER VALUE             0.000         0.000
SEISMIC PRESSURE LOWER LEVEL             0.000         0.000
SEISMIC PRESSURE UPPER LEVEL             0.000         0.000
```

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.350	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 3

LEFT-HAND WALL

LOWER LEVEL -10.20000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -10.20000
UPPER LEVEL 0.00000

+---------- PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* ----------+
| 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454 |
| Exe Time :29 July 2019 19:21:29 |
+----------+

I N I T I A L S T R E S S T A B L E S

S E C T I O N

NUMBER OF DEFINED TABLES 1

INPUT DATA FOR INITIAL STRESS SET NO. 1
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 3.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 3.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.33000000000000
FOUNDATION WIDTH (B) 3.00000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 52.0800000000000
BETA 30.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

```
 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        2422

 NO. OF D.P.W  FOR THIS AREA       6191
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                 |
|                                   Exe Time :29 July 2019      19:21:29                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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+--------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                    |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                               |
|                                  Exe Time :29 July 2019      19:21:29                                              |
+--------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
```

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T   T I M E   I S   1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	3.1207E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	V-C	3.1207E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	V-C	3.1207E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	V-C	3.1207E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	V-C	3.1207E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	V-C	3.1207E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	V-C	3.1207E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	V-C	3.1207E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	V-C	3.1207E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	V-C	3.1207E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	V-C	3.1207E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	V-C	3.1207E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	V-C	3.1207E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	V-C	3.1207E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	V-C	3.1207E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	V-C	3.1207E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	V-C	3.1207E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	V-C	3.1207E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	V-C	3.1207E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	V-C	3.1207E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	V-C	3.1207E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	V-C	3.1207E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	V-C	3.1207E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	V-C	3.1207E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	V-C	3.1207E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	V-C	3.1207E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	V-C	3.1207E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	V-C	7.0624E+04	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	V-C	7.0624E+04	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	V-C	7.0624E+04	-5.800	0.000	1.000	1.000				

```
55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00            V-C  7.0624E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90            V-C  7.0624E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80            V-C  7.0624E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70            V-C  7.0624E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60            V-C  7.0624E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50            V-C  7.0624E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40            V-C  7.0624E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30            V-C  7.0624E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20            V-C  7.0624E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10            V-C  7.0624E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00            V-C  7.0624E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90            V-C  7.0624E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80            V-C  7.0624E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70            V-C  7.0624E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60            V-C  7.0624E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50            V-C  7.0624E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40            V-C  7.0624E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30            V-C  7.0624E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20            V-C  7.0624E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10            V-C  7.0624E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00            V-C  7.0624E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90            V-C  7.0624E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


 +-------------------------------------------------------------------------------------------------------------------------------+
 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                         |
 |                                   Exe Time :29 July 2019      19:21:29                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.1656E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  2.1656E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  2.1656E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  2.1656E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  2.1656E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  2.1656E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  2.1656E+04  -1.200       0.000       1.000       1.000
```

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11.40       0.000       0.000    Strato1_3095_78023_L_0
   8 D  2.660       0.000       26.60       13.30       26.60       13.30       V-C  2.1656E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000    Strato1_3095_78023_L_0
   9 D  3.040       0.000       30.40       15.20       30.40       15.20       V-C  2.1656E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000    Strato1_3095_78023_L_0
  10 D  3.420       0.000       34.20       17.10       34.20       17.10       V-C  2.1656E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000    Strato1_3095_78023_L_0
  11 D  3.800       0.000       38.00       19.00       38.00       19.00       V-C  2.1656E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000    Strato1_3095_78023_L_0
  12 D  4.180       0.000       41.80       20.90       41.80       20.90       V-C  2.1656E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000    Strato1_3095_78023_L_0
  13 D  4.560       0.000       45.60       22.80       45.60       22.80       V-C  2.1656E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000    Strato1_3095_78023_L_0
  14 D  4.940       0.000       49.40       24.70       49.40       24.70       V-C  2.1656E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000    Strato1_3095_78023_L_0
  15 D  5.320       0.000       53.20       26.60       53.20       26.60       V-C  2.1656E+04  -2.800       0.000       1.000       1.000
26.60       0.000       0.000    Strato1_3095_78023_L_0
  16 D  5.700       0.000       57.00       28.50       57.00       28.50       V-C  2.1656E+04  -3.000       0.000       1.000       1.000
28.50       0.000       0.000    Strato1_3095_78023_L_0
  17 D  6.080       0.000       60.80       30.40       60.80       30.40       V-C  2.1656E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000    Strato1_3095_78023_L_0
  18 D  6.460       0.000       64.60       32.30       64.60       32.30       V-C  2.1656E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000    Strato1_3095_78023_L_0
  19 D  6.840       0.000       68.40       34.20       68.40       34.20       V-C  2.1656E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000    Strato1_3095_78023_L_0
  20 D  7.220       0.000       72.20       36.10       72.20       36.10       V-C  2.1656E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000    Strato1_3095_78023_L_0
  21 D  7.600       0.000       76.00       38.00       76.00       38.00       V-C  2.1656E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000    Strato1_3095_78023_L_0
  22 D  7.980       0.000       79.80       39.90       79.80       39.90       V-C  2.1656E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000    Strato1_3095_78023_L_0
  23 D  8.360       0.000       83.60       41.80       83.60       41.80       V-C  2.1656E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000    Strato1_3095_78023_L_0
  24 D  8.740       0.000       87.40       43.70       87.40       43.70       V-C  2.1656E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000    Strato1_3095_78023_L_0
  25 D  9.120       0.000       91.20       45.60       91.20       45.60       V-C  2.1656E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000    Strato1_3095_78023_L_0
  26 D  9.500       0.000       95.00       47.50       95.00       47.50       V-C  2.1656E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000    Strato1_3095_78023_L_0
  27 D  9.880       0.000       98.80       49.40       98.80       49.40       V-C  2.1656E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000    Strato1_3095_78023_L_0
  28 D  10.26       0.000       102.6       51.30       102.6       51.30       V-C  3.8277E+04  -5.400       0.000       1.000       1.000
51.30       0.000       0.000    Strato2_84780_84781_L_0
  29 D  10.64       0.000       106.4       53.20       106.4       53.20       V-C  3.8277E+04  -5.600       0.000       1.000       1.000
53.20       0.000       0.000    Strato2_84780_84781_L_0
  30 D  11.02       0.000       110.2       55.10       110.2       55.10       V-C  3.8277E+04  -5.800       0.000       1.000       1.000
55.10       0.000       0.000    Strato2_84780_84781_L_0
  31 D  11.40       0.000       114.0       57.00       114.0       57.00       V-C  3.8277E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000    Strato2_84780_84781_L_0
  32 D  11.78       0.000       117.8       58.90       117.8       58.90       V-C  3.8277E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000    Strato2_84780_84781_L_0
  33 D  12.16       0.000       121.6       60.80       121.6       60.80       V-C  3.8277E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000    Strato2_84780_84781_L_0
  34 D  12.54       0.000       125.4       62.70       125.4       62.70       V-C  3.8277E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000    Strato2_84780_84781_L_0
  35 D  12.92       0.000       129.2       64.60       129.2       64.60       V-C  3.8277E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000    Strato2_84780_84781_L_0
  36 D  13.30       0.000       133.0       66.50       133.0       66.50       V-C  3.8277E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000    Strato2_84780_84781_L_0
  37 D  13.68       0.000       136.8       68.40       136.8       68.40       V-C  3.8277E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000    Strato2_84780_84781_L_0
  38 D  14.06       0.000       140.6       70.30       140.6       70.30       V-C  3.8277E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000    Strato2_84780_84781_L_0
  39 D  14.44       0.000       144.4       72.20       144.4       72.20       V-C  3.8277E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000    Strato2_84780_84781_L_0
  40 D  14.82       0.000       148.2       74.10       148.2       74.10       V-C  3.8277E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000    Strato2_84780_84781_L_0
  41 D  15.20       0.000       152.0       76.00       152.0       76.00       V-C  3.8277E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000    Strato2_84780_84781_L_0
  42 D  15.58       0.000       155.8       77.90       155.8       77.90       V-C  3.8277E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000    Strato2_84780_84781_L_0
  43 D  15.96       0.000       159.6       79.80       159.6       79.80       V-C  3.8277E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000    Strato2_84780_84781_L_0
  44 D  16.34       0.000       163.4       81.70       163.4       81.70       V-C  3.8277E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000    Strato2_84780_84781_L_0
  45 D  16.72       0.000       167.2       83.60       167.2       83.60       V-C  3.8277E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000    Strato2_84780_84781_L_0
  46 D  17.10       0.000       171.0       85.50       171.0       85.50       V-C  3.8277E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000    Strato2_84780_84781_L_0
  47 D  17.48       0.000       174.8       87.40       174.8       87.40       V-C  3.8277E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000    Strato2_84780_84781_L_0
  48 D  17.86       0.000       178.6       89.30       178.6       89.30       V-C  3.8277E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000    Strato2_84780_84781_L_0
  49 D  18.24       0.000       182.4       91.20       182.4       91.20       V-C  3.8277E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000    Strato2_84780_84781_L_0
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  50 D   18.62       0.000       186.2       93.10       186.2       93.10            V-C  3.8277E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00            V-C  3.8277E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90            V-C  3.8277E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T    T I M E    I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                   |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tieback_78031                   :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
```

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          RDT    =0.1258E+05 RDR    = 0.000
          RATIOT= 0.000      RATIOR= 0.000
          MAX UN= 0.000      IEQ=    104 NODE      52 DOF    2   X-ROT. F
          MIN UN= 0.000      IEQ=      1 NODE       1 DOF    1  Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0
```

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+----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION   *Build date:Jul 11, 2017*                 |
|                                                                                                                            |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      19:21:29                                                     |
+----------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING      2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F         X-ROT. F
           (02)             (04)              (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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+----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)    NLS ENGINE RELEASE  2017.1     FULL VERSION   *Build date:Jul 11, 2017*                 |
|                                                                                                                            |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                      |
|                                   Exe Time :29 July 2019      19:21:29                                                     |
+----------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                                 :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    52
C U R R E N T    T I M E    I S       2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL	*	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1	D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	4.9931E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2	D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	4.9931E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3	D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	4.9931E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4	D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	4.9931E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5	D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	4.9931E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6	D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	4.9931E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7	D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	4.9931E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8	D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	4.9931E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9	D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	4.9931E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10	D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	4.9931E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11	D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	4.9931E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12	D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	4.9931E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13	D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	4.9931E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14	D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	4.9931E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15	D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	4.9931E+04	-2.800	0.000	1.000	1.000				

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26.60       0.000       0.000     Strato1_3095_78023_L_0
  16 D   5.700       0.000       57.00       28.50       57.00       28.50       UL-RL  4.9931E+04  -3.000       0.000       1.000       1.000
28.50       0.000       0.000     Strato1_3095_78023_L_0
  17 D   6.080       0.000       60.80       30.40       60.80       30.40       UL-RL  4.9931E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000     Strato1_3095_78023_L_0
  18 D   6.460       0.000       64.60       32.30       64.60       32.30       UL-RL  4.9931E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000     Strato1_3095_78023_L_0
  19 D   6.840       0.000       68.40       34.20       68.40       34.20       UL-RL  4.9931E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000     Strato1_3095_78023_L_0
  20 D   7.220       0.000       72.20       36.10       72.20       36.10       UL-RL  4.9931E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000     Strato1_3095_78023_L_0
  21 D   7.600       0.000       76.00       38.00       76.00       38.00       UL-RL  4.9931E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000     Strato1_3095_78023_L_0
  22 D   7.980       0.000       79.80       39.90       79.80       39.90       UL-RL  4.9931E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000     Strato1_3095_78023_L_0
  23 D   8.360       0.000       83.60       41.80       83.60       41.80       UL-RL  4.9931E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000     Strato1_3095_78023_L_0
  24 D   8.740       0.000       87.40       43.70       87.40       43.70       UL-RL  4.9931E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000     Strato1_3095_78023_L_0
  25 D   9.120       0.000       91.20       45.60       91.20       45.60       UL-RL  4.9931E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000     Strato1_3095_78023_L_0
  26 D   9.500       0.000       95.00       47.50       95.00       47.50       UL-RL  4.9931E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_3095_78023_L_0
  27 D   9.880       0.000       98.80       49.40       98.80       49.40       UL-RL  4.9931E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000     Strato1_3095_78023_L_0
  28 D   10.26       0.000       102.6       51.30       102.6       51.30       UL-RL  2.1187E+05  -5.400       0.000       1.000       1.000
51.30       0.000       0.000     Strato2_84780_84781_L_0
  29 D   10.64       0.000       106.4       53.20       106.4       53.20       UL-RL  2.1187E+05  -5.600       0.000       1.000       1.000
53.20       0.000       0.000     Strato2_84780_84781_L_0
  30 D   11.02       0.000       110.2       55.10       110.2       55.10       UL-RL  2.1187E+05  -5.800       0.000       1.000       1.000
55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00       UL-RL  2.1187E+05  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90       UL-RL  2.1187E+05  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80       UL-RL  2.1187E+05  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70       UL-RL  2.1187E+05  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60       UL-RL  2.1187E+05  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50       UL-RL  2.1187E+05  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40       UL-RL  2.1187E+05  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30       UL-RL  2.1187E+05  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20       UL-RL  2.1187E+05  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10       UL-RL  2.1187E+05  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00       UL-RL  2.1187E+05  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90       UL-RL  2.1187E+05  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80       UL-RL  2.1187E+05  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70       UL-RL  2.1187E+05  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60       UL-RL  2.1187E+05  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50       UL-RL  2.1187E+05  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40       UL-RL  2.1187E+05  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30       UL-RL  2.1187E+05  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20       UL-RL  2.1187E+05  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10       UL-RL  2.1187E+05  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00       UL-RL  2.1187E+05  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90       UL-RL  2.1187E+05  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0
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1468.1 - GA27 - Cepav2

S T R E S S R E S U L T S F O R G R O U P N O. 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	3.4650E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	3.4650E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	3.4650E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	3.4650E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	3.4650E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	3.4650E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	3.4650E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	3.4650E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	3.4650E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	3.4650E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	3.4650E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	3.4650E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	3.4650E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	3.4650E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	3.4650E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	3.4650E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	3.4650E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	3.4650E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	3.4650E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	3.4650E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	3.4650E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	3.4650E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	3.4650E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	3.4650E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	3.4650E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	3.4650E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	3.4650E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	1.1483E+05	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	1.1483E+05	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	1.1483E+05	-5.800	0.000	1.000	1.000	55.10	0.000	0.000	Strato2_84780_84781_L_0
31 D	11.40	0.000	114.0	57.00	114.0	57.00	UL-RL	1.1483E+05	-6.000	0.000	1.000	1.000	57.00	0.000	0.000	Strato2_84780_84781_L_0
32 D	11.78	0.000	117.8	58.90	117.8	58.90	UL-RL	1.1483E+05	-6.200	0.000	1.000	1.000	58.90	0.000	0.000	Strato2_84780_84781_L_0
33 D	12.16	0.000	121.6	60.80	121.6	60.80	UL-RL	1.1483E+05	-6.400	0.000	1.000	1.000	60.80	0.000	0.000	Strato2_84780_84781_L_0
34 D	12.54	0.000	125.4	62.70	125.4	62.70	UL-RL	1.1483E+05	-6.600	0.000	1.000	1.000	62.70	0.000	0.000	Strato2_84780_84781_L_0

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  35 D   12.92       0.000       129.2       64.60       129.2       64.60          UL-RL  1.1483E+05  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50          UL-RL  1.1483E+05  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40          UL-RL  1.1483E+05  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30          UL-RL  1.1483E+05  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20          UL-RL  1.1483E+05  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10          UL-RL  1.1483E+05  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00          UL-RL  1.1483E+05  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90          UL-RL  1.1483E+05  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80          UL-RL  1.1483E+05  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70          UL-RL  1.1483E+05  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60          UL-RL  1.1483E+05  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50          UL-RL  1.1483E+05  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40          UL-RL  1.1483E+05  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30          UL-RL  1.1483E+05  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20          UL-RL  1.1483E+05  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10          UL-RL  1.1483E+05  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00          UL-RL  1.1483E+05  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90          UL-RL  1.1483E+05  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


 +-------------------------------------------------------------------------------------------------------------------------------------------+
 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                      1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                                 |
 |                                       Exe Time :29 July 2019      19:21:29                                                                |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                 :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
 C U R R E N T   T I M E   I S      2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ---------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
     9  0.0000      0.0000      0.0000      0.0000
    10  0.0000      0.0000      0.0000      0.0000
    11  0.0000      0.0000      0.0000      0.0000
    12  0.0000      0.0000      0.0000      0.0000
    13  0.0000      0.0000      0.0000      0.0000
    14  0.0000      0.0000      0.0000      0.0000
    15  0.0000      0.0000      0.0000      0.0000
    16  0.0000      0.0000      0.0000      0.0000
    17  0.0000      0.0000      0.0000      0.0000
    18  0.0000      0.0000      0.0000      0.0000
    19  0.0000      0.0000      0.0000      0.0000
    20  0.0000      0.0000      0.0000      0.0000
    21  0.0000      0.0000      0.0000      0.0000
    22  0.0000      0.0000      0.0000      0.0000
    23  0.0000      0.0000      0.0000      0.0000
    24  0.0000      0.0000      0.0000      0.0000
    25  0.0000      0.0000      0.0000      0.0000
    26  0.0000      0.0000      0.0000      0.0000
```

27	0.0000	0.0000	0.0000	0.0000
28	0.0000	0.0000	0.0000	0.0000
29	0.0000	0.0000	0.0000	0.0000
30	0.0000	0.0000	0.0000	0.0000
31	0.0000	0.0000	0.0000	0.0000
32	0.0000	0.0000	0.0000	0.0000
33	0.0000	0.0000	0.0000	0.0000
34	0.0000	0.0000	0.0000	0.0000
35	0.0000	0.0000	0.0000	0.0000
36	0.0000	0.0000	0.0000	0.0000
37	0.0000	0.0000	0.0000	0.0000
38	0.0000	0.0000	0.0000	0.0000
39	0.0000	0.0000	0.0000	0.0000
40	0.0000	0.0000	0.0000	0.0000
41	0.0000	0.0000	0.0000	0.0000
42	0.0000	0.0000	0.0000	0.0000
43	0.0000	0.0000	0.0000	0.0000
44	0.0000	0.0000	0.0000	0.0000
45	0.0000	0.0000	0.0000	0.0000
46	0.0000	0.0000	0.0000	0.0000
47	0.0000	0.0000	0.0000	0.0000
48	0.0000	0.0000	0.0000	0.0000
49	0.0000	0.0000	0.0000	0.0000
50	0.0000	0.0000	0.0000	0.0000
51	0.0000	0.0000	0.0000	0.0000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                     |
|                                 Exe Time :29 July 2019      19:21:29                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   0.0000       0.0000       0.0000       0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 2740.     REMNOR= 0.000     RATIO =0.5485     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.5485     RATIOR= 0.000
           MAX UN= 11.10     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 277.7     REMNOR=0.1416E-22 RATIO =0.1746     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.1746     RATIOR= 0.000
           MAX UN= 5.043     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2203E-11 IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 404.6     REMNOR=0.1219E-21 RATIO =0.2108     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.2108     RATIOR= 0.000
           MAX UN= 12.26     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1223E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM= 60.75     REMNOR=0.6660E-22 RATIO =0.8168E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.8168E-01 RATIOR= 0.000
           MAX UN= 7.669     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.6625E-10 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM=0.7063E-01 REMNOR=0.4590E-22 RATIO =0.2785E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.2785E-02 RATIOR= 0.000
           MAX UN=0.2658     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.3559E-10 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9106.     RIMNOR= 0.000
           RENORM=0.2274E-19 REMNOR=0.8395E-22 RATIO =0.1580E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.75     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9106.     RDR   = 0.000
           RATIOT=0.1580E-11 RATIOR= 0.000
           MAX UN=0.5457E-10 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.7156E-10 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                 |
|                                   Exe Time :29 July 2019      19:21:29                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1283799E-03   1.0574121E-02
    2   4.2432040E-03   1.0574121E-02
    3   6.3535796E-03   1.0507392E-02
    4   8.4373321E-03   1.0308234E-02
    5   1.0468217E-02   9.9792306E-03
    6   1.2420611E-02   9.5240310E-03
    7   1.4269732E-02   8.9473702E-03
    8   1.5991852E-02   8.2550955E-03
    9   1.7564528E-02   7.4541874E-03
   10   1.8966848E-02   6.5531027E-03
   11   2.0179774E-02   5.5620923E-03
   12   2.1186486E-02   4.4930947E-03
   13   2.1972714E-02   3.3596299E-03
   14   2.2527042E-02   2.1767229E-03
   15   2.2841204E-02   9.6083692E-04
   16   2.2910368E-02  -2.7017539E-04
   17   2.2733404E-02  -1.4971229E-03
   18   2.2313148E-02  -2.6996192E-03
   19   2.1656607E-02  -3.8563632E-03
   20   2.0775131E-02  -4.9451829E-03
   21   1.9684604E-02  -5.9430259E-03
   22   1.8405586E-02  -6.8259688E-03
   23   1.6963532E-02  -7.5691785E-03
   24   1.5388946E-02  -8.1469248E-03
   25   1.3717569E-02  -8.5325679E-03
   26   1.1990563E-02  -8.6985514E-03
   27   1.0254700E-02  -8.6163977E-03
   28   8.5625153E-03  -8.2566994E-03
   29   6.9691029E-03  -7.6407569E-03
   30   5.5184623E-03  -6.8410679E-03
```

31	4.2403693E-03	-5.9259742E-03
32	3.1517401E-03	-4.9559479E-03
33	2.2580806E-03	-3.9846495E-03
34	1.5547586E-03	-3.0601758E-03
35	1.0279710E-03	-2.2262916E-03
36	6.5600141E-04	-1.5160158E-03
37	4.1239377E-04	-9.4331982E-04
38	2.6968807E-04	-5.0542456E-04
39	2.0211301E-04	-1.8919340E-04
40	1.8714071E-04	2.3987799E-05
41	2.0620770E-04	1.5466264E-04
42	2.4484370E-04	2.2290646E-04
43	2.9241698E-04	2.4685075E-04
44	3.4165820E-04	2.4190807E-04
45	3.8808205E-04	2.2049634E-04
46	4.2939018E-04	1.9208974E-04
47	4.6490300E-04	1.6345895E-04
48	4.9505136E-04	1.3899214E-04
49	5.2093295E-04	1.2102181E-04
50	5.4393100E-04	1.1011696E-04
51	5.6538587E-04	1.0530588E-04
52	5.8630165E-04	1.0421153E-04

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+-----------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017* |
|                                                                                                           |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                    |
|                                   Exe Time :29 July 2019      19:21:29                                   |
+-----------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                              :
ELEMENT TYPE     5 NO.OF ELEMENTS. IN THIS GROUP    52
C U R R E N T    T I M E    I S       3.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
```

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	-2.1284E-03	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.2428	-4.2432E-03	3.806	1.214	3.806	1.903	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	1.214	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.4880	-6.3536E-03	7.649	2.440	7.649	3.825	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	2.440	0.000	0.000	Strato1_3095_78023_L_0
4 D	0.7375	-8.4373E-03	11.56	3.687	11.56	5.780	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	3.687	0.000	0.000	Strato1_3095_78023_L_0
5 D	0.9924	-1.0468E-02	15.55	4.962	15.55	7.777	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	4.962	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.253	-1.2421E-02	19.64	6.266	19.64	9.821	ACTIVE	0.000	-1.000	0.000	1.000	1.000	6.266	0.000	0.000	Strato1_3095_78023_L_0
7 D	1.520	-1.4270E-02	23.82	7.598	23.82	11.91	ACTIVE	0.000	-1.200	0.000	1.000	1.000	7.598	0.000	0.000	Strato1_3095_78023_L_0
8 D	1.791	-1.5992E-02	28.07	8.953	28.07	14.03	ACTIVE	0.000	-1.400	0.000	1.000	1.000	8.953	0.000	0.000	Strato1_3095_78023_L_0
9 D	2.220	-1.7565E-02	34.79	11.10	34.79	17.40	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.10	0.000	0.000	Strato1_3095_78023_L_0
10 D	2.641	-1.8967E-02	41.40	13.21	41.40	20.70	ACTIVE	0.000	-1.800	0.000	1.000	1.000	13.21	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.020	-2.0180E-02	47.33	15.10	47.33	23.67	ACTIVE	0.000	-2.000	0.000	1.000	1.000	15.10	0.000	0.000	Strato1_3095_78023_L_0
12 D	3.391	-2.1186E-02	53.16	16.96	53.16	26.58	ACTIVE	0.000	-2.200	0.000	1.000	1.000	16.96	0.000	0.000	Strato1_3095_78023_L_0
13 D	3.733	-2.1973E-02	58.52	18.67	58.52	29.26	ACTIVE	0.000	-2.400	0.000	1.000	1.000	18.67	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.074	-2.2527E-02	63.85	20.37	63.85	31.93	ACTIVE	0.000	-2.600	0.000	1.000	1.000	20.37	0.000	0.000	Strato1_3095_78023_L_0
15 D	4.392	-2.2841E-02	68.84	21.96	68.84	34.42	ACTIVE	0.000	-2.800	0.000	1.000	1.000	21.96	0.000	0.000	Strato1_3095_78023_L_0
16 D	4.711	-2.2910E-02	73.85	23.56	73.85	36.92	ACTIVE	0.000	-3.000	0.000	1.000	1.000	23.56	0.000	0.000	Strato1_3095_78023_L_0
17 D	4.950	-2.2733E-02	77.59	24.75	77.59	38.79	ACTIVE	0.000	-3.200	0.000	1.000	1.000	24.75	0.000	0.000	Strato1_3095_78023_L_0
18 D	5.154	-2.2313E-02	80.78	25.77	80.78	40.39	ACTIVE	0.000	-3.400	0.000	1.000	1.000	25.77	0.000	0.000	Strato1_3095_78023_L_0

19 D	5.360	-2.1657E-02	84.02	26.80	84.02	42.01	ACTIVE	0.000	-3.600	0.000	1.000	1.000
26.80	0.000	0.000	Strato1_3095_78023_L_0									
20 D	5.569	-2.0775E-02	87.29	27.85	87.29	43.64	ACTIVE	0.000	-3.800	0.000	1.000	1.000
27.85	0.000	0.000	Strato1_3095_78023_L_0									
21 D	5.780	-1.9685E-02	90.60	28.90	90.60	45.30	ACTIVE	0.000	-4.000	0.000	1.000	1.000
28.90	0.000	0.000	Strato1_3095_78023_L_0									
22 D	5.993	-1.8406E-02	93.94	29.97	93.94	46.97	ACTIVE	0.000	-4.200	0.000	1.000	1.000
29.97	0.000	0.000	Strato1_3095_78023_L_0									
23 D	6.208	-1.6964E-02	97.30	31.04	97.30	48.65	ACTIVE	0.000	-4.400	0.000	1.000	1.000
31.04	0.000	0.000	Strato1_3095_78023_L_0									
24 D	6.425	-1.5389E-02	100.7	32.12	100.7	50.35	ACTIVE	0.000	-4.600	0.000	1.000	1.000
32.12	0.000	0.000	Strato1_3095_78023_L_0									
25 D	6.643	-1.3718E-02	104.1	33.21	104.1	52.06	ACTIVE	0.000	-4.800	0.000	1.000	1.000
33.21	0.000	0.000	Strato1_3095_78023_L_0									
26 D	6.862	-1.1991E-02	107.6	34.31	107.6	53.78	ACTIVE	0.000	-5.000	0.000	1.000	1.000
34.31	0.000	0.000	Strato1_3095_78023_L_0									
27 D	7.083	-1.0255E-02	111.0	35.41	111.0	55.51	ACTIVE	0.000	-5.200	0.000	1.000	1.000
35.41	0.000	0.000	Strato1_3095_78023_L_0									
28 D	1.695	-8.5625E-03	114.5	8.474	114.5	57.24	ACTIVE	0.000	-5.400	0.000	1.000	1.000
8.474	0.000	0.000	Strato2_84780_84781_L_0									
29 D	1.868	-6.9691E-03	118.0	9.340	118.0	58.99	ACTIVE	0.000	-5.600	0.000	1.000	1.000
9.340	0.000	0.000	Strato2_84780_84781_L_0									
30 D	2.042	-5.5185E-03	121.5	10.21	121.5	60.75	ACTIVE	0.000	-5.800	0.000	1.000	1.000
10.21	0.000	0.000	Strato2_84780_84781_L_0									
31 D	2.217	-4.2404E-03	125.0	11.08	125.0	62.51	ACTIVE	0.000	-6.000	0.000	1.000	1.000
11.08	0.000	0.000	Strato2_84780_84781_L_0									
32 D	2.392	-3.1517E-03	128.6	11.96	128.6	64.28	ACTIVE	0.000	-6.200	0.000	1.000	1.000
11.96	0.000	0.000	Strato2_84780_84781_L_0									
33 D	2.568	-2.2581E-03	132.1	12.84	132.1	66.05	ACTIVE	0.000	-6.400	0.000	1.000	1.000
12.84	0.000	0.000	Strato2_84780_84781_L_0									
34 D	2.745	-1.5548E-03	135.7	13.72	135.7	67.83	ACTIVE	0.000	-6.600	0.000	1.000	1.000
13.72	0.000	0.000	Strato2_84780_84781_L_0									
35 D	5.211	-1.0280E-03	139.2	26.06	139.2	69.62	UL-RL	4.2375E+04	-6.800	0.000	1.000	1.000
26.06	0.000	0.000	Strato2_84780_84781_L_0									
36 D	8.722	-6.5600E-04	142.8	43.61	142.8	71.41	UL-RL	4.2375E+04	-7.000	0.000	1.000	1.000
43.61	0.000	0.000	Strato2_84780_84781_L_0									
37 D	11.15	-4.1239E-04	146.4	55.73	146.4	73.20	UL-RL	4.2375E+04	-7.200	0.000	1.000	1.000
55.73	0.000	0.000	Strato2_84780_84781_L_0									
38 D	12.71	-2.6969E-04	150.0	63.57	150.0	75.00	UL-RL	4.2375E+04	-7.400	0.000	1.000	1.000
63.57	0.000	0.000	Strato2_84780_84781_L_0									
39 D	13.65	-2.0211E-04	153.6	68.24	153.6	76.80	UL-RL	4.2375E+04	-7.600	0.000	1.000	1.000
68.24	0.000	0.000	Strato2_84780_84781_L_0									
40 D	14.14	-1.8714E-04	157.2	70.68	157.2	78.61	UL-RL	4.2375E+04	-7.800	0.000	1.000	1.000
70.68	0.000	0.000	Strato2_84780_84781_L_0									
41 D	14.34	-2.0621E-04	160.8	71.69	160.8	80.42	UL-RL	4.2375E+04	-8.000	0.000	1.000	1.000
71.69	0.000	0.000	Strato2_84780_84781_L_0									
42 D	14.37	-2.4484E-04	164.5	71.86	164.5	82.24	UL-RL	4.2375E+04	-8.200	0.000	1.000	1.000
71.86	0.000	0.000	Strato2_84780_84781_L_0									
43 D	14.33	-2.9242E-04	168.1	71.67	168.1	84.06	UL-RL	4.2375E+04	-8.400	0.000	1.000	1.000
71.67	0.000	0.000	Strato2_84780_84781_L_0									
44 D	14.28	-3.4166E-04	171.8	71.40	171.8	85.88	UL-RL	4.2375E+04	-8.600	0.000	1.000	1.000
71.40	0.000	0.000	Strato2_84780_84781_L_0									
45 D	14.25	-3.8808E-04	175.4	71.26	175.4	87.70	UL-RL	4.2375E+04	-8.800	0.000	1.000	1.000
71.26	0.000	0.000	Strato2_84780_84781_L_0									
46 D	14.27	-4.2939E-04	179.1	71.33	179.1	89.53	UL-RL	4.2375E+04	-9.000	0.000	1.000	1.000
71.33	0.000	0.000	Strato2_84780_84781_L_0									
47 D	14.33	-4.6490E-04	182.7	71.66	182.7	91.36	UL-RL	4.2375E+04	-9.200	0.000	1.000	1.000
71.66	0.000	0.000	Strato2_84780_84781_L_0									
48 D	14.44	-4.9505E-04	186.4	72.21	186.4	93.19	UL-RL	4.2375E+04	-9.400	0.000	1.000	1.000
72.21	0.000	0.000	Strato2_84780_84781_L_0									
49 D	14.59	-5.2093E-04	190.1	72.97	190.1	95.05	UL-RL	4.2375E+04	-9.600	0.000	1.000	1.000
72.97	0.000	0.000	Strato2_84780_84781_L_0									
50 D	14.77	-5.4393E-04	193.8	73.86	193.8	96.91	UL-RL	4.2375E+04	-9.800	0.000	1.000	1.000
73.86	0.000	0.000	Strato2_84780_84781_L_0									
51 D	14.96	-5.6539E-04	197.5	74.81	197.5	98.77	UL-RL	4.2375E+04	-10.00	0.000	1.000	1.000
74.81	0.000	0.000	Strato2_84780_84781_L_0									
52 D	7.579	-5.8630E-04	201.3	75.79	201.3	100.6	UL-RL	4.2375E+04	-10.20	0.000	1.000	1.000
75.79	0.000	0.000	Strato2_84780_84781_L_0									

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+-----------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                 |
|                                   Exe Time :29 July 2019      19:21:29                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
```

C U R R E N T T I M E I S 3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
28 D	18.88	8.5625E-03	0.9500	94.39	102.6	94.39	PASSIVE	0.000	-5.400	0.000	1.000	1.000
94.39	0.000	0.000	Strato2_84780_84781_L_0									
29 D	19.06	6.9691E-03	4.750	95.31	106.4	95.31	V-C	8050.	-5.600	0.000	1.000	1.000
95.31	0.000	0.000	Strato2_84780_84781_L_0									
30 D	17.25	5.5185E-03	8.550	86.27	110.2	86.27	V-C	8050.	-5.800	0.000	1.000	1.000
86.27	0.000	0.000	Strato2_84780_84781_L_0									
31 D	15.68	4.2404E-03	12.35	78.39	114.0	78.39	V-C	8050.	-6.000	0.000	1.000	1.000
78.39	0.000	0.000	Strato2_84780_84781_L_0									
32 D	14.38	3.1517E-03	16.15	71.91	117.8	71.91	V-C	8050.	-6.200	0.000	1.000	1.000
71.91	0.000	0.000	Strato2_84780_84781_L_0									
33 D	13.38	2.2581E-03	19.95	66.92	121.6	66.92	V-C	8050.	-6.400	0.000	1.000	1.000
66.92	0.000	0.000	Strato2_84780_84781_L_0									
34 D	12.68	1.5548E-03	23.75	63.41	125.4	63.41	V-C	8050.	-6.600	0.000	1.000	1.000
63.41	0.000	0.000	Strato2_84780_84781_L_0									
35 D	10.93	1.0280E-03	27.55	54.66	129.2	64.60	UL-RL	2.4150E+04	-6.800	0.000	1.000	1.000
54.66	0.000	0.000	Strato2_84780_84781_L_0									
36 D	9.626	6.5600E-04	31.35	48.13	133.0	66.50	UL-RL	2.4150E+04	-7.000	0.000	1.000	1.000
48.13	0.000	0.000	Strato2_84780_84781_L_0									
37 D	8.926	4.1239E-04	35.15	44.63	136.8	68.40	UL-RL	2.4150E+04	-7.200	0.000	1.000	1.000
44.63	0.000	0.000	Strato2_84780_84781_L_0									
38 D	8.703	2.6969E-04	38.95	43.51	140.6	70.30	UL-RL	2.4150E+04	-7.400	0.000	1.000	1.000

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43.51       0.000       0.000     Strato2_84780_84781_L_0
   39 D   8.833      2.0211E-04   42.75       44.17       144.4       72.20          UL-RL  2.4150E+04  -7.600       0.000       1.000       1.000
44.17       0.000       0.000     Strato2_84780_84781_L_0
   40 D   9.210      1.8714E-04   46.55       46.05       148.2       74.10          UL-RL  2.4150E+04  -7.800       0.000       1.000       1.000
46.05       0.000       0.000     Strato2_84780_84781_L_0
   41 D   9.744      2.0621E-04   50.35       48.72       152.0       76.00          UL-RL  2.4150E+04  -8.000       0.000       1.000       1.000
48.72       0.000       0.000     Strato2_84780_84781_L_0
   42 D   10.37      2.4484E-04   54.15       51.84       155.8       77.90          UL-RL  2.4150E+04  -8.200       0.000       1.000       1.000
51.84       0.000       0.000     Strato2_84780_84781_L_0
   43 D   11.03      2.9242E-04   57.95       55.15       159.6       79.80          UL-RL  2.4150E+04  -8.400       0.000       1.000       1.000
55.15       0.000       0.000     Strato2_84780_84781_L_0
   44 D   11.70      3.4166E-04   61.75       58.48       163.4       81.70          UL-RL  2.4150E+04  -8.600       0.000       1.000       1.000
58.48       0.000       0.000     Strato2_84780_84781_L_0
   45 D   12.34      3.8808E-04   65.55       61.72       167.2       83.60          UL-RL  2.4150E+04  -8.800       0.000       1.000       1.000
61.72       0.000       0.000     Strato2_84780_84781_L_0
   46 D   12.96      4.2939E-04   69.35       64.82       171.0       85.50          UL-RL  2.4150E+04  -9.000       0.000       1.000       1.000
64.82       0.000       0.000     Strato2_84780_84781_L_0
   47 D   13.55      4.6490E-04   73.15       67.77       174.8       87.40          UL-RL  2.4150E+04  -9.200       0.000       1.000       1.000
67.77       0.000       0.000     Strato2_84780_84781_L_0
   48 D   14.11      4.9505E-04   76.95       70.57       178.6       89.30          UL-RL  2.4150E+04  -9.400       0.000       1.000       1.000
70.57       0.000       0.000     Strato2_84780_84781_L_0
   49 D   14.65      5.2093E-04   80.75       73.26       182.4       91.20          UL-RL  2.4150E+04  -9.600       0.000       1.000       1.000
73.26       0.000       0.000     Strato2_84780_84781_L_0
   50 D   15.17      5.4393E-04   84.55       75.87       186.2       93.10          UL-RL  2.4150E+04  -9.800       0.000       1.000       1.000
75.87       0.000       0.000     Strato2_84780_84781_L_0
   51 D   15.69      5.6539E-04   88.35       78.44       190.0       95.00          UL-RL  2.4150E+04  -10.00       0.000       1.000       1.000
78.44       0.000       0.000     Strato2_84780_84781_L_0
   52 D   8.098      5.8630E-04   92.15       80.98       193.8       96.90          UL-RL  2.4150E+04  -10.20       0.000       1.000       1.000
80.98       0.000       0.000     Strato2_84780_84781_L_0
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|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                                         |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S     3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-5.58220E-13 5.58220E-13-7.77711E-14-4.50862E-13
    2 -31.643      31.643     6.50313E-13 -6.3286
    3 -31.155      31.155      6.3286     -12.560
    4 -30.417      30.417      12.560     -18.643
    5 -29.425      29.425      18.643     -24.528
    6 -28.172      28.172      24.528     -30.162
    7 -26.652      26.652      30.162     -35.493
    8 -24.862      24.862      35.493     -40.465
    9 -22.642      22.642      40.465     -44.994
   10 -20.001      20.001      44.994     -48.994
   11 -16.981      16.981      48.994     -52.390
   12 -13.589      13.589      52.390     -55.108
   13 -9.8561      9.8561      55.108     -57.079
   14 -5.7824      5.7824      57.079     -58.235
   15 -1.3905      1.3905      58.235     -58.513
   16  3.3209     -3.3209      58.513     -57.849
   17  8.2709     -8.2709      57.849     -56.195
   18  13.425     -13.425      56.195     -53.510
   19  18.785     -18.785      53.510     -49.753
   20  24.354     -24.354      49.753     -44.882
   21  30.134     -30.134      44.882     -38.856
   22  36.127     -36.127      38.856     -31.630
   23  42.335     -42.335      31.630     -23.163
   24  48.760     -48.760      23.163     -13.411
   25  55.402     -55.402      13.411     -2.3307
   26  62.264     -62.264      2.3307      10.122
   27  69.347     -69.347     -10.122      23.992
   28  52.164     -52.164     -23.992      34.424
   29  34.969     -34.969     -34.424      41.418
   30  19.756     -19.756     -41.418      45.369
   31  6.2952     -6.2952     -45.369      46.628
   32 -5.6942      5.6942     -46.628      45.489
   33 -16.510      16.510     -45.489      42.187
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   34 -26.447      26.447     -42.187      36.898
   35 -32.167      32.167     -36.898      30.464
   36 -33.071      33.071     -30.464      23.850
   37 -30.852      30.852     -23.850      17.680
   38 -26.841      26.841     -17.680      12.312
   39 -22.026      22.026     -12.312      7.9065
   40 -17.099      17.099     -7.9065      4.4867
   41 -12.506      12.506     -4.4867      1.9855
   42 -8.5009      8.5009     -1.9855     0.28535
   43 -5.1973      5.1973    -0.28535    -0.75411
   44 -2.6124      2.6124     0.75411     -1.2766
   45-0.70452     0.70452      1.2766     -1.4175
   46 0.59821    -0.59821      1.4175     -1.2978
   47  1.3763     -1.3763      1.2978     -1.0226
   48  1.7043     -1.7043      1.0226    -0.68172
   49  1.6461     -1.6461     0.68172    -0.35250
   50  1.2436     -1.2436     0.35250    -0.10379
   51 0.51891    -0.51891     0.10379    -7.74866E-14



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                              |
|                                  Exe Time :29 July 2019      19:21:29                                             |
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1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   93.228       0.0000      1.45126E-03   0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.SLERara_3454                              |
|                                  Exe Time :29 July 2019      19:21:29                                             |
+-------------------------------------------------------------------------------------------------------------------+


     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

        1           CONVERGENCE :YES                       2
        2           CONVERGENCE :YES                       2
        3           CONVERGENCE :YES                       6



 END OF PROCESS FOR PROBLEM
1468.1 - GA27 - Cepav2
NONLINEAR SOLUTION CPU TIME ....    0.04 [sec]
DATABASE  CREATION CPU TIME.....    0.12 [sec]
```

5.5. Design Assumption : A1+M1+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1
 * Time:lunedì 29 luglio 2019 19:21:29
 * 1: Defining general settings
 UNIT  m kN
 TITLE 1468.1 - GA27 - Cepav2
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -10.2 0 1
```

```
* 3: Defining surfaces for wall(s)
SOIL 0_L LeftWall_32 -10.2 0 1 0
SOIL 0_R LeftWall_32 -10.2 0 2 180

* 4: Defining soil layers
*
* Soil Profile (Strato1_3095_78023_L_0)
*
LDATA Strato1_3095_78023_L_0 0 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 19 9 10
PERMEABILITY 1E-05
RESISTANCE 0 29
YOUNG 2.5E+04 4E+04
ENDL
*
* Soil Profile (Strato2_84780_84781_L_0)
*
LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 19 9 10
PERMEABILITY 1E-05
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 113 Name=S275 E=210000000 kPa
MATERIAL S275_113 2.1E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 78036 Name=S275 E=210000000 kPa
MATERIAL S275_78036 2.1E+08

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0


* 6.2: Supports
WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0


* 6.3: Strips
STRIP LeftWall_32 3 3 2.33 3 0 60.09 30

* 7: Defining Steps
STEP Stage0_86326
CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ENDSTEP

STEP Stage1_31
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ADD WallElement_33 Tieback_78031
ENDSTEP

STEP Stage2_158
CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
```

```
CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -5.35
WATER -17 0 -10.2 0 0
ENDSTEP
```

5.6. Design Assumption : A1+M1+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                     |
|                                  Exe Time :29 July 2019      19:21:29                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *    *
                  *                                                         *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484
 STARTING
ACCEPTED   <FILE,GENW                                                       >
ACCEPTED   <FILE,PLOTTER,BINARY                                             >
ACCEPTED   <SOLVE TOTAL_STRESS                                              >
ACCEPTED   <PARAM ITEMAX 100                                                >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                   >


                  ***********************************************************
                  *                                                         *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED    *
                  *    BY THE PROGRAM.                                      *
                  ***********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                     |
|                                  Exe Time :29 July 2019      19:21:29                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


1468.1 - GA27 - Cepav2


NO. OF NODAL POINTS (NUMNP) ...................   52
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
```

```
NO. OF EQUATIONS    (NEQ)..................  104
NO. OF CONSTRAINTS CARDS (NVINC)...........    0
NO. OF ELEMENT GROUPS (NEG)................    4
NO. OF SOLUTION STEPS (NSTE)...............    3
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .................   68
NO. OF LONG NAMES (LASTNAME) ..............   16
LENGTH UNIT CHOICE ........................    3 (M   )
FORCE  UNIT CHOICE ........................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.............    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     68

    1 : UNIT  m kN
    2 : TITLE 1468.1 - GA27 - Cepav2
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -10.2 0 1
    7 : SOIL 0_L LeftWall_32 -10.2 0 1 0
    8 : SOIL 0_R LeftWall_32 -10.2 0 2 180
    9 : LDATA Strato1_3095_78023_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-05
   13 : RESISTANCE 0 29
   14 : YOUNG 2.5E+04 4E+04
   15 : ENDL
   16 : LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 19 9 10
   19 : PERMEABILITY 1E-05
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL S275_113 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL S275_78036 2.1E+08
   26 : BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0
   27 : WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0
   28 : STRIP LeftWall_32 3 3 2.33 3 0 60.09 30
   29 : STEP Stage0_86326
   30 : CHANGE Strato1_3095_78023_L_0 U-FRICT=29 LeftWall_32
   31 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   32 : CHANGE Strato1_3095_78023_L_0 U-KA=0.319 LeftWall_32
   33 : CHANGE Strato1_3095_78023_L_0 U-KP=3.606 LeftWall_32
   34 : CHANGE Strato1_3095_78023_L_0 D-KA=0.319 LeftWall_32
   35 : CHANGE Strato1_3095_78023_L_0 D-KP=3.606 LeftWall_32
   36 : CHANGE Strato2_84780_84781_L_0 U-FRICT=35 LeftWall_32
   37 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   38 : CHANGE Strato2_84780_84781_L_0 U-KA=0.248 LeftWall_32
   39 : CHANGE Strato2_84780_84781_L_0 U-KP=5.02 LeftWall_32
   40 : CHANGE Strato2_84780_84781_L_0 D-KA=0.248 LeftWall_32
   41 : CHANGE Strato2_84780_84781_L_0 D-KP=5.02 LeftWall_32
   42 : CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
```

```
   43 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   44 : CHANGE Strato2_84780_84781_L_0 U-COHE=20 LeftWall_32
   45 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   46 : SETWALL LeftWall_32
   47 : GEOM 0 0
   48 : WATER -17 0 -10.2 0 0
   49 : ENDSTEP
   50 : STEP Stage1_31
   51 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   52 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   53 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   54 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   55 : SETWALL LeftWall_32
   56 : GEOM 0 0
   57 : WATER -17 0 -10.2 0 0
   58 : ADD WallElement_33 Tieback_78031
   59 : ENDSTEP
   60 : STEP Stage2_158
   61 : CHANGE Strato1_3095_78023_L_0 D-FRICT=29 LeftWall_32
   62 : CHANGE Strato2_84780_84781_L_0 D-FRICT=35 LeftWall_32
   63 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   64 : CHANGE Strato2_84780_84781_L_0 D-COHE=20 LeftWall_32
   65 : SETWALL LeftWall_32
   66 : GEOM 0 -5.35
   67 : WATER -17 0 -10.2 0 0
   68 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      19:21:29                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      19:21:29                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.....2D PLASTIC SOIL .....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000
```

material set no. 2

prop(1) angle 0.00000
prop(2) layer as foreseen 2.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	2	0.2000	0.000	0.000	0.000	1.000
29	29	2	0.2000	0.000	0.000	0.000	1.000
30	30	2	0.2000	0.000	0.000	0.000	1.000
31	31	2	0.2000	0.000	0.000	0.000	1.000
32	32	2	0.2000	0.000	0.000	0.000	1.000
33	33	2	0.2000	0.000	0.000	0.000	1.000
34	34	2	0.2000	0.000	0.000	0.000	1.000
35	35	2	0.2000	0.000	0.000	0.000	1.000
36	36	2	0.2000	0.000	0.000	0.000	1.000
37	37	2	0.2000	0.000	0.000	0.000	1.000
38	38	2	0.2000	0.000	0.000	0.000	1.000
39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.1000	0.000	0.000	0.000	1.000

+----------+
| PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* |
| |
| 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484 |
| Exe Time :29 July 2019 19:21:29 |
+----------+

ELEMENT GROUP NO. 2

0_R :
5 52 0 1 0 0 0 0 0 0 0 0 0 0 2 0 0 0 0
.....
.....2D PLASTIC SOIL .....
.....

element group behaviour throughout stage analysis

stage	status

```
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000


 element data
```

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	2	0.2000	0.000	0.000	0.000	2.000
29	29	2	0.2000	0.000	0.000	0.000	2.000
30	30	2	0.2000	0.000	0.000	0.000	2.000
31	31	2	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                          |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                  :
   2  51   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
..........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ............0.182200E-43

 no. of step variable items:     1
 step  inertia multipier
-------------------------
    1   1.000
    2   1.000
    3   1.000

 element data

   el   na   nb  mat      erc1      erc2     thick      by-i      by-j
-------------------------------------------------------------

    1    1    2    1    0.000     0.000    0.8153E-01 0.000     0.000
    2    2    3    1    0.000     0.000    0.8153E-01 0.000     0.000
    3    3    4    1    0.000     0.000    0.8153E-01 0.000     0.000
    4    4    5    1    0.000     0.000    0.8153E-01 0.000     0.000
    5    5    6    1    0.000     0.000    0.8153E-01 0.000     0.000
    6    6    7    1    0.000     0.000    0.8153E-01 0.000     0.000
    7    7    8    1    0.000     0.000    0.8153E-01 0.000     0.000
    8    8    9    1    0.000     0.000    0.8153E-01 0.000     0.000
    9    9   10    1    0.000     0.000    0.8153E-01 0.000     0.000
   10   10   11    1    0.000     0.000    0.8153E-01 0.000     0.000
   11   11   12    1    0.000     0.000    0.8153E-01 0.000     0.000
   12   12   13    1    0.000     0.000    0.8153E-01 0.000     0.000
   13   13   14    1    0.000     0.000    0.8153E-01 0.000     0.000
   14   14   15    1    0.000     0.000    0.8153E-01 0.000     0.000
   15   15   16    1    0.000     0.000    0.8153E-01 0.000     0.000
   16   16   17    1    0.000     0.000    0.8153E-01 0.000     0.000
   17   17   18    1    0.000     0.000    0.8153E-01 0.000     0.000
   18   18   19    1    0.000     0.000    0.8153E-01 0.000     0.000
   19   19   20    1    0.000     0.000    0.8153E-01 0.000     0.000
   20   20   21    1    0.000     0.000    0.8153E-01 0.000     0.000
   21   21   22    1    0.000     0.000    0.8153E-01 0.000     0.000
   22   22   23    1    0.000     0.000    0.8153E-01 0.000     0.000
   23   23   24    1    0.000     0.000    0.8153E-01 0.000     0.000
   24   24   25    1    0.000     0.000    0.8153E-01 0.000     0.000
   25   25   26    1    0.000     0.000    0.8153E-01 0.000     0.000
   26   26   27    1    0.000     0.000    0.8153E-01 0.000     0.000
   27   27   28    1    0.000     0.000    0.8153E-01 0.000     0.000
   28   28   29    1    0.000     0.000    0.8153E-01 0.000     0.000
   29   29   30    1    0.000     0.000    0.8153E-01 0.000     0.000
   30   30   31    1    0.000     0.000    0.8153E-01 0.000     0.000
   31   31   32    1    0.000     0.000    0.8153E-01 0.000     0.000
   32   32   33    1    0.000     0.000    0.8153E-01 0.000     0.000
   33   33   34    1    0.000     0.000    0.8153E-01 0.000     0.000
   34   34   35    1    0.000     0.000    0.8153E-01 0.000     0.000
   35   35   36    1    0.000     0.000    0.8153E-01 0.000     0.000
   36   36   37    1    0.000     0.000    0.8153E-01 0.000     0.000
   37   37   38    1    0.000     0.000    0.8153E-01 0.000     0.000
   38   38   39    1    0.000     0.000    0.8153E-01 0.000     0.000
   39   39   40    1    0.000     0.000    0.8153E-01 0.000     0.000
   40   40   41    1    0.000     0.000    0.8153E-01 0.000     0.000
```

41	41	42	1	0.000	0.000	0.8153E-01	0.000	0.000
42	42	43	1	0.000	0.000	0.8153E-01	0.000	0.000
43	43	44	1	0.000	0.000	0.8153E-01	0.000	0.000
44	44	45	1	0.000	0.000	0.8153E-01	0.000	0.000
45	45	46	1	0.000	0.000	0.8153E-01	0.000	0.000
46	46	47	1	0.000	0.000	0.8153E-01	0.000	0.000
47	47	48	1	0.000	0.000	0.8153E-01	0.000	0.000
48	48	49	1	0.000	0.000	0.8153E-01	0.000	0.000
49	49	50	1	0.000	0.000	0.8153E-01	0.000	0.000
50	50	51	1	0.000	0.000	0.8153E-01	0.000	0.000
51	51	52	1	0.000	0.000	0.8153E-01	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  4

Tieback_78031                  :
   6   1   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   2   0
.....................................
.....2D POST-TENSION ANCHOR....
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) angle          70.0000
 prop( 2) young modulus 0.210000E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
------------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-----------------------------------------------------

    1    2    1   0.3059E-03 0.000     0.000     0.000



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................    6
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
```

```
     NUMBER OF TIME POINTS  =    5

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        0.80000    0.0000E+00
        1.00000    0.1000E+01
        1.20000    0.0000E+00
        4.00000    0.0000E+00



     LOAD FUNCTION NUMBER   =    2
     NUMBER OF TIME POINTS  =    5

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        1.80000    0.0000E+00
        2.00000    0.1000E+01
        2.20000    0.0000E+00
        4.00000    0.0000E+00



     LOAD FUNCTION NUMBER   =    3
     NUMBER OF TIME POINTS  =    5

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        3.20000    0.0000E+00
        4.00000    0.0000E+00



     LOAD FUNCTION NUMBER   =    4
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        0.80000    0.0000E+00
        1.00000    0.1000E+01
        4.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    5
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        1.80000    0.0000E+00
        2.00000    0.1000E+01
        4.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    6
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        4.00000    0.1000E+01


 NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                 |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                            |
|                                   Exe Time :29 July 2019      19:21:29                                          |
```

```
L O A D     B A L A N C E

STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                  |
|                                  Exe Time :29 July 2019      19:21:29                                                |
```

```
NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100
```

```
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                      |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                  |
|                                  Exe Time :29 July 2019      19:21:29                                                |

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  10.000      (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000      (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000      (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000      (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000      (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000      (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000      (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000      (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900      WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060      WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000      (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000      (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000      (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000      (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.      (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.      (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000      (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000      (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000      (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900      WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060      WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  11.000      (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000      (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500      (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000      (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000      (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000      (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000      (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000      (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000      (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800      WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200      WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000      (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000      (BOTH WALLS)
```

```
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6060     WALL NO.        1
```

```
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  29.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6060     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24800     WALL NO.        1
ITEM NO.  11<U-KP    >=  5.0200     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  20.000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  35.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24800     WALL NO.        1
ITEM NO.  61<D-KP    >=  5.0200     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     6 VALUES



+-----------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*       |
|                                                                                                                 |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                             |
|                                  Exe Time :29 July 2019      19:21:29                                           |
+-----------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                        -17.00        -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                  -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES     -10.20        -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
```

UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.350	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

```
==========================================================================================================end of step    3


 LEFT-HAND WALL

 LOWER  LEVEL         -10.20000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -10.20000
 UPPER  LEVEL           0.00000




+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                     |
|                                  Exe Time :29 July 2019      19:21:29                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L   S T R E S S   T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              3.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   3.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           2.33000000000000
 FOUNDATION WIDTH    (B)            3.00000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          60.0900000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        2422

 NO. OF D.P.W  FOR THIS AREA       6191
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
```

```
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      19:21:29                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                 Exe Time :29 July 2019      19:21:29                                                  |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

 0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
C U R R E N T   T I M E   I S      1.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  3.1207E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  3.1207E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  3.1207E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  3.1207E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  3.1207E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  3.1207E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  3.1207E+04  -1.200       0.000       1.000       1.000
11.40       0.000       0.000     Strato1_3095_78023_L_0
   8 D   2.660       0.000       26.60       13.30       26.60       13.30            V-C  3.1207E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
   9 D   3.040       0.000       30.40       15.20       30.40       15.20            V-C  3.1207E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
  10 D   3.420       0.000       34.20       17.10       34.20       17.10            V-C  3.1207E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
  11 D   3.800       0.000       38.00       19.00       38.00       19.00            V-C  3.1207E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
  12 D   4.180       0.000       41.80       20.90       41.80       20.90            V-C  3.1207E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
  13 D   4.560       0.000       45.60       22.80       45.60       22.80            V-C  3.1207E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
  14 D   4.940       0.000       49.40       24.70       49.40       24.70            V-C  3.1207E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
  15 D   5.320       0.000       53.20       26.60       53.20       26.60            V-C  3.1207E+04  -2.800       0.000       1.000       1.000
```

26.60	0.000	0.000	Strato1_3095_78023_L_0											
16 D	5.700	0.000	57.00	28.50	57.00	28.50	V-C	3.1207E+04	-3.000	0.000	1.000	1.000		
28.50	0.000	0.000	Strato1_3095_78023_L_0											
17 D	6.080	0.000	60.80	30.40	60.80	30.40	V-C	3.1207E+04	-3.200	0.000	1.000	1.000		
30.40	0.000	0.000	Strato1_3095_78023_L_0											
18 D	6.460	0.000	64.60	32.30	64.60	32.30	V-C	3.1207E+04	-3.400	0.000	1.000	1.000		
32.30	0.000	0.000	Strato1_3095_78023_L_0											
19 D	6.840	0.000	68.40	34.20	68.40	34.20	V-C	3.1207E+04	-3.600	0.000	1.000	1.000		
34.20	0.000	0.000	Strato1_3095_78023_L_0											
20 D	7.220	0.000	72.20	36.10	72.20	36.10	V-C	3.1207E+04	-3.800	0.000	1.000	1.000		
36.10	0.000	0.000	Strato1_3095_78023_L_0											
21 D	7.600	0.000	76.00	38.00	76.00	38.00	V-C	3.1207E+04	-4.000	0.000	1.000	1.000		
38.00	0.000	0.000	Strato1_3095_78023_L_0											
22 D	7.980	0.000	79.80	39.90	79.80	39.90	V-C	3.1207E+04	-4.200	0.000	1.000	1.000		
39.90	0.000	0.000	Strato1_3095_78023_L_0											
23 D	8.360	0.000	83.60	41.80	83.60	41.80	V-C	3.1207E+04	-4.400	0.000	1.000	1.000		
41.80	0.000	0.000	Strato1_3095_78023_L_0											
24 D	8.740	0.000	87.40	43.70	87.40	43.70	V-C	3.1207E+04	-4.600	0.000	1.000	1.000		
43.70	0.000	0.000	Strato1_3095_78023_L_0											
25 D	9.120	0.000	91.20	45.60	91.20	45.60	V-C	3.1207E+04	-4.800	0.000	1.000	1.000		
45.60	0.000	0.000	Strato1_3095_78023_L_0											
26 D	9.500	0.000	95.00	47.50	95.00	47.50	V-C	3.1207E+04	-5.000	0.000	1.000	1.000		
47.50	0.000	0.000	Strato1_3095_78023_L_0											
27 D	9.880	0.000	98.80	49.40	98.80	49.40	V-C	3.1207E+04	-5.200	0.000	1.000	1.000		
49.40	0.000	0.000	Strato1_3095_78023_L_0											
28 D	10.26	0.000	102.6	51.30	102.6	51.30	V-C	7.0624E+04	-5.400	0.000	1.000	1.000		
51.30	0.000	0.000	Strato2_84780_84781_L_0											
29 D	10.64	0.000	106.4	53.20	106.4	53.20	V-C	7.0624E+04	-5.600	0.000	1.000	1.000		
53.20	0.000	0.000	Strato2_84780_84781_L_0											
30 D	11.02	0.000	110.2	55.10	110.2	55.10	V-C	7.0624E+04	-5.800	0.000	1.000	1.000		
55.10	0.000	0.000	Strato2_84780_84781_L_0											
31 D	11.40	0.000	114.0	57.00	114.0	57.00	V-C	7.0624E+04	-6.000	0.000	1.000	1.000		
57.00	0.000	0.000	Strato2_84780_84781_L_0											
32 D	11.78	0.000	117.8	58.90	117.8	58.90	V-C	7.0624E+04	-6.200	0.000	1.000	1.000		
58.90	0.000	0.000	Strato2_84780_84781_L_0											
33 D	12.16	0.000	121.6	60.80	121.6	60.80	V-C	7.0624E+04	-6.400	0.000	1.000	1.000		
60.80	0.000	0.000	Strato2_84780_84781_L_0											
34 D	12.54	0.000	125.4	62.70	125.4	62.70	V-C	7.0624E+04	-6.600	0.000	1.000	1.000		
62.70	0.000	0.000	Strato2_84780_84781_L_0											
35 D	12.92	0.000	129.2	64.60	129.2	64.60	V-C	7.0624E+04	-6.800	0.000	1.000	1.000		
64.60	0.000	0.000	Strato2_84780_84781_L_0											
36 D	13.30	0.000	133.0	66.50	133.0	66.50	V-C	7.0624E+04	-7.000	0.000	1.000	1.000		
66.50	0.000	0.000	Strato2_84780_84781_L_0											
37 D	13.68	0.000	136.8	68.40	136.8	68.40	V-C	7.0624E+04	-7.200	0.000	1.000	1.000		
68.40	0.000	0.000	Strato2_84780_84781_L_0											
38 D	14.06	0.000	140.6	70.30	140.6	70.30	V-C	7.0624E+04	-7.400	0.000	1.000	1.000		
70.30	0.000	0.000	Strato2_84780_84781_L_0											
39 D	14.44	0.000	144.4	72.20	144.4	72.20	V-C	7.0624E+04	-7.600	0.000	1.000	1.000		
72.20	0.000	0.000	Strato2_84780_84781_L_0											
40 D	14.82	0.000	148.2	74.10	148.2	74.10	V-C	7.0624E+04	-7.800	0.000	1.000	1.000		
74.10	0.000	0.000	Strato2_84780_84781_L_0											
41 D	15.20	0.000	152.0	76.00	152.0	76.00	V-C	7.0624E+04	-8.000	0.000	1.000	1.000		
76.00	0.000	0.000	Strato2_84780_84781_L_0											
42 D	15.58	0.000	155.8	77.90	155.8	77.90	V-C	7.0624E+04	-8.200	0.000	1.000	1.000		
77.90	0.000	0.000	Strato2_84780_84781_L_0											
43 D	15.96	0.000	159.6	79.80	159.6	79.80	V-C	7.0624E+04	-8.400	0.000	1.000	1.000		
79.80	0.000	0.000	Strato2_84780_84781_L_0											
44 D	16.34	0.000	163.4	81.70	163.4	81.70	V-C	7.0624E+04	-8.600	0.000	1.000	1.000		
81.70	0.000	0.000	Strato2_84780_84781_L_0											
45 D	16.72	0.000	167.2	83.60	167.2	83.60	V-C	7.0624E+04	-8.800	0.000	1.000	1.000		
83.60	0.000	0.000	Strato2_84780_84781_L_0											
46 D	17.10	0.000	171.0	85.50	171.0	85.50	V-C	7.0624E+04	-9.000	0.000	1.000	1.000		
85.50	0.000	0.000	Strato2_84780_84781_L_0											
47 D	17.48	0.000	174.8	87.40	174.8	87.40	V-C	7.0624E+04	-9.200	0.000	1.000	1.000		
87.40	0.000	0.000	Strato2_84780_84781_L_0											
48 D	17.86	0.000	178.6	89.30	178.6	89.30	V-C	7.0624E+04	-9.400	0.000	1.000	1.000		
89.30	0.000	0.000	Strato2_84780_84781_L_0											
49 D	18.24	0.000	182.4	91.20	182.4	91.20	V-C	7.0624E+04	-9.600	0.000	1.000	1.000		
91.20	0.000	0.000	Strato2_84780_84781_L_0											
50 D	18.62	0.000	186.2	93.10	186.2	93.10	V-C	7.0624E+04	-9.800	0.000	1.000	1.000		
93.10	0.000	0.000	Strato2_84780_84781_L_0											
51 D	19.00	0.000	190.0	95.00	190.0	95.00	V-C	7.0624E+04	-10.00	0.000	1.000	1.000		
95.00	0.000	0.000	Strato2_84780_84781_L_0											
52 D	9.690	0.000	193.8	96.90	193.8	96.90	V-C	7.0624E+04	-10.20	0.000	1.000	1.000		
96.90	0.000	0.000	Strato2_84780_84781_L_0											

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+----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                      |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                 |
|                                  Exe Time :29 July 2019      19:21:29                                                |
+----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T   T I M E   I S   1.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	V-C	2.1656E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	V-C	2.1656E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	V-C	2.1656E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	V-C	2.1656E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	V-C	2.1656E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	V-C	2.1656E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	V-C	2.1656E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	V-C	2.1656E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	V-C	2.1656E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	V-C	2.1656E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	V-C	2.1656E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	V-C	2.1656E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	V-C	2.1656E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	V-C	2.1656E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	V-C	2.1656E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	V-C	2.1656E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	V-C	2.1656E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	V-C	2.1656E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	V-C	2.1656E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	V-C	2.1656E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	V-C	2.1656E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	V-C	2.1656E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	V-C	2.1656E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	V-C	2.1656E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	V-C	2.1656E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	V-C	2.1656E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	V-C	2.1656E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	V-C	3.8277E+04	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	V-C	3.8277E+04	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	V-C	3.8277E+04	-5.800	0.000	1.000	1.000				

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55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00          V-C  3.8277E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90          V-C  3.8277E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80          V-C  3.8277E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70          V-C  3.8277E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60          V-C  3.8277E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50          V-C  3.8277E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40          V-C  3.8277E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30          V-C  3.8277E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20          V-C  3.8277E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10          V-C  3.8277E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00          V-C  3.8277E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90          V-C  3.8277E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80          V-C  3.8277E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70          V-C  3.8277E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60          V-C  3.8277E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50          V-C  3.8277E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40          V-C  3.8277E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30          V-C  3.8277E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20          V-C  3.8277E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10          V-C  3.8277E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00          V-C  3.8277E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90          V-C  3.8277E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


+-----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                             |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      19:21:29                                                      |
+-----------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                  |
|                                                                                                                             |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                        |
|                                   Exe Time :29 July 2019      19:21:29                                                      |
+-----------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                 :
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ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*        |
|                                                                                                                 |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                              |
|                                 Exe Time :29 July 2019      19:21:29                                            |
+-----------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P   2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1     FULL VERSION  *Build date:Jul 11, 2017*            |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                  |
|                                   Exe Time :29 July 2019      19:21:29                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    1

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

 ****** TOTAL STRESS FORMULATION *****
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EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	4.9931E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	4.9931E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	4.9931E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	4.9931E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	4.9931E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	4.9931E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	4.9931E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	4.9931E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	4.9931E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	4.9931E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	4.9931E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	4.9931E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	4.9931E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	4.9931E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	4.9931E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	4.9931E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	4.9931E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	4.9931E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	4.9931E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	4.9931E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	4.9931E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	4.9931E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	4.9931E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	4.9931E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	4.9931E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	4.9931E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	4.9931E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	2.1187E+05	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	2.1187E+05	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	2.1187E+05	-5.800	0.000	1.000	1.000				

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55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00          UL-RL  2.1187E+05  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90          UL-RL  2.1187E+05  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80          UL-RL  2.1187E+05  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70          UL-RL  2.1187E+05  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60          UL-RL  2.1187E+05  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50          UL-RL  2.1187E+05  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40          UL-RL  2.1187E+05  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30          UL-RL  2.1187E+05  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20          UL-RL  2.1187E+05  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10          UL-RL  2.1187E+05  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00          UL-RL  2.1187E+05  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90          UL-RL  2.1187E+05  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80          UL-RL  2.1187E+05  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70          UL-RL  2.1187E+05  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60          UL-RL  2.1187E+05  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50          UL-RL  2.1187E+05  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40          UL-RL  2.1187E+05  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30          UL-RL  2.1187E+05  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20          UL-RL  2.1187E+05  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10          UL-RL  2.1187E+05  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00          UL-RL  2.1187E+05  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90          UL-RL  2.1187E+05  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                          |
 |                                   Exe Time :29 July 2019      19:21:29                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
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----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000          UL-RL  3.4650E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900          UL-RL  3.4650E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800          UL-RL  3.4650E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700          UL-RL  3.4650E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600          UL-RL  3.4650E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500          UL-RL  3.4650E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40          UL-RL  3.4650E+04  -1.200       0.000       1.000       1.000
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11.40	0.000	0.000	Strato1_3095_78023_L_0											
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	3.4650E+04	-1.400	0.000	1.000	1.000		
13.30	0.000	0.000	Strato1_3095_78023_L_0											
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	3.4650E+04	-1.600	0.000	1.000	1.000		
15.20	0.000	0.000	Strato1_3095_78023_L_0											
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	3.4650E+04	-1.800	0.000	1.000	1.000		
17.10	0.000	0.000	Strato1_3095_78023_L_0											
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	3.4650E+04	-2.000	0.000	1.000	1.000		
19.00	0.000	0.000	Strato1_3095_78023_L_0											
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	3.4650E+04	-2.200	0.000	1.000	1.000		
20.90	0.000	0.000	Strato1_3095_78023_L_0											
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	3.4650E+04	-2.400	0.000	1.000	1.000		
22.80	0.000	0.000	Strato1_3095_78023_L_0											
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	3.4650E+04	-2.600	0.000	1.000	1.000		
24.70	0.000	0.000	Strato1_3095_78023_L_0											
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	3.4650E+04	-2.800	0.000	1.000	1.000		
26.60	0.000	0.000	Strato1_3095_78023_L_0											
16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	3.4650E+04	-3.000	0.000	1.000	1.000		
28.50	0.000	0.000	Strato1_3095_78023_L_0											
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	3.4650E+04	-3.200	0.000	1.000	1.000		
30.40	0.000	0.000	Strato1_3095_78023_L_0											
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	3.4650E+04	-3.400	0.000	1.000	1.000		
32.30	0.000	0.000	Strato1_3095_78023_L_0											
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	3.4650E+04	-3.600	0.000	1.000	1.000		
34.20	0.000	0.000	Strato1_3095_78023_L_0											
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	3.4650E+04	-3.800	0.000	1.000	1.000		
36.10	0.000	0.000	Strato1_3095_78023_L_0											
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	3.4650E+04	-4.000	0.000	1.000	1.000		
38.00	0.000	0.000	Strato1_3095_78023_L_0											
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	3.4650E+04	-4.200	0.000	1.000	1.000		
39.90	0.000	0.000	Strato1_3095_78023_L_0											
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	3.4650E+04	-4.400	0.000	1.000	1.000		
41.80	0.000	0.000	Strato1_3095_78023_L_0											
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	3.4650E+04	-4.600	0.000	1.000	1.000		
43.70	0.000	0.000	Strato1_3095_78023_L_0											
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	3.4650E+04	-4.800	0.000	1.000	1.000		
45.60	0.000	0.000	Strato1_3095_78023_L_0											
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	3.4650E+04	-5.000	0.000	1.000	1.000		
47.50	0.000	0.000	Strato1_3095_78023_L_0											
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	3.4650E+04	-5.200	0.000	1.000	1.000		
49.40	0.000	0.000	Strato1_3095_78023_L_0											
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	1.1483E+05	-5.400	0.000	1.000	1.000		
51.30	0.000	0.000	Strato2_84780_84781_L_0											
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	1.1483E+05	-5.600	0.000	1.000	1.000		
53.20	0.000	0.000	Strato2_84780_84781_L_0											
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	1.1483E+05	-5.800	0.000	1.000	1.000		
55.10	0.000	0.000	Strato2_84780_84781_L_0											
31 D	11.40	0.000	114.0	57.00	114.0	57.00	UL-RL	1.1483E+05	-6.000	0.000	1.000	1.000		
57.00	0.000	0.000	Strato2_84780_84781_L_0											
32 D	11.78	0.000	117.8	58.90	117.8	58.90	UL-RL	1.1483E+05	-6.200	0.000	1.000	1.000		
58.90	0.000	0.000	Strato2_84780_84781_L_0											
33 D	12.16	0.000	121.6	60.80	121.6	60.80	UL-RL	1.1483E+05	-6.400	0.000	1.000	1.000		
60.80	0.000	0.000	Strato2_84780_84781_L_0											
34 D	12.54	0.000	125.4	62.70	125.4	62.70	UL-RL	1.1483E+05	-6.600	0.000	1.000	1.000		
62.70	0.000	0.000	Strato2_84780_84781_L_0											
35 D	12.92	0.000	129.2	64.60	129.2	64.60	UL-RL	1.1483E+05	-6.800	0.000	1.000	1.000		
64.60	0.000	0.000	Strato2_84780_84781_L_0											
36 D	13.30	0.000	133.0	66.50	133.0	66.50	UL-RL	1.1483E+05	-7.000	0.000	1.000	1.000		
66.50	0.000	0.000	Strato2_84780_84781_L_0											
37 D	13.68	0.000	136.8	68.40	136.8	68.40	UL-RL	1.1483E+05	-7.200	0.000	1.000	1.000		
68.40	0.000	0.000	Strato2_84780_84781_L_0											
38 D	14.06	0.000	140.6	70.30	140.6	70.30	UL-RL	1.1483E+05	-7.400	0.000	1.000	1.000		
70.30	0.000	0.000	Strato2_84780_84781_L_0											
39 D	14.44	0.000	144.4	72.20	144.4	72.20	UL-RL	1.1483E+05	-7.600	0.000	1.000	1.000		
72.20	0.000	0.000	Strato2_84780_84781_L_0											
40 D	14.82	0.000	148.2	74.10	148.2	74.10	UL-RL	1.1483E+05	-7.800	0.000	1.000	1.000		
74.10	0.000	0.000	Strato2_84780_84781_L_0											
41 D	15.20	0.000	152.0	76.00	152.0	76.00	UL-RL	1.1483E+05	-8.000	0.000	1.000	1.000		
76.00	0.000	0.000	Strato2_84780_84781_L_0											
42 D	15.58	0.000	155.8	77.90	155.8	77.90	UL-RL	1.1483E+05	-8.200	0.000	1.000	1.000		
77.90	0.000	0.000	Strato2_84780_84781_L_0											
43 D	15.96	0.000	159.6	79.80	159.6	79.80	UL-RL	1.1483E+05	-8.400	0.000	1.000	1.000		
79.80	0.000	0.000	Strato2_84780_84781_L_0											
44 D	16.34	0.000	163.4	81.70	163.4	81.70	UL-RL	1.1483E+05	-8.600	0.000	1.000	1.000		
81.70	0.000	0.000	Strato2_84780_84781_L_0											
45 D	16.72	0.000	167.2	83.60	167.2	83.60	UL-RL	1.1483E+05	-8.800	0.000	1.000	1.000		
83.60	0.000	0.000	Strato2_84780_84781_L_0											
46 D	17.10	0.000	171.0	85.50	171.0	85.50	UL-RL	1.1483E+05	-9.000	0.000	1.000	1.000		
85.50	0.000	0.000	Strato2_84780_84781_L_0											
47 D	17.48	0.000	174.8	87.40	174.8	87.40	UL-RL	1.1483E+05	-9.200	0.000	1.000	1.000		
87.40	0.000	0.000	Strato2_84780_84781_L_0											
48 D	17.86	0.000	178.6	89.30	178.6	89.30	UL-RL	1.1483E+05	-9.400	0.000	1.000	1.000		
89.30	0.000	0.000	Strato2_84780_84781_L_0											
49 D	18.24	0.000	182.4	91.20	182.4	91.20	UL-RL	1.1483E+05	-9.600	0.000	1.000	1.000		
91.20	0.000	0.000	Strato2_84780_84781_L_0											

```
  50 D   18.62       0.000       186.2       93.10       186.2       93.10          UL-RL  1.1483E+05  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00          UL-RL  1.1483E+05  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90          UL-RL  1.1483E+05  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0

 +-------------------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                    1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                                    |
 |                                     Exe Time :29 July 2019      19:21:29                                                                  |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
 C U R R E N T   T I M E   I S      2.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 ------------------------------------------------------
     1  0.0000      0.0000      0.0000      0.0000
     2  0.0000      0.0000      0.0000      0.0000
     3  0.0000      0.0000      0.0000      0.0000
     4  0.0000      0.0000      0.0000      0.0000
     5  0.0000      0.0000      0.0000      0.0000
     6  0.0000      0.0000      0.0000      0.0000
     7  0.0000      0.0000      0.0000      0.0000
     8  0.0000      0.0000      0.0000      0.0000
     9  0.0000      0.0000      0.0000      0.0000
    10  0.0000      0.0000      0.0000      0.0000
    11  0.0000      0.0000      0.0000      0.0000
    12  0.0000      0.0000      0.0000      0.0000
    13  0.0000      0.0000      0.0000      0.0000
    14  0.0000      0.0000      0.0000      0.0000
    15  0.0000      0.0000      0.0000      0.0000
    16  0.0000      0.0000      0.0000      0.0000
    17  0.0000      0.0000      0.0000      0.0000
    18  0.0000      0.0000      0.0000      0.0000
    19  0.0000      0.0000      0.0000      0.0000
    20  0.0000      0.0000      0.0000      0.0000
    21  0.0000      0.0000      0.0000      0.0000
    22  0.0000      0.0000      0.0000      0.0000
    23  0.0000      0.0000      0.0000      0.0000
    24  0.0000      0.0000      0.0000      0.0000
    25  0.0000      0.0000      0.0000      0.0000
    26  0.0000      0.0000      0.0000      0.0000
    27  0.0000      0.0000      0.0000      0.0000
    28  0.0000      0.0000      0.0000      0.0000
    29  0.0000      0.0000      0.0000      0.0000
    30  0.0000      0.0000      0.0000      0.0000
    31  0.0000      0.0000      0.0000      0.0000
    32  0.0000      0.0000      0.0000      0.0000
    33  0.0000      0.0000      0.0000      0.0000
    34  0.0000      0.0000      0.0000      0.0000
    35  0.0000      0.0000      0.0000      0.0000
    36  0.0000      0.0000      0.0000      0.0000
    37  0.0000      0.0000      0.0000      0.0000
    38  0.0000      0.0000      0.0000      0.0000
    39  0.0000      0.0000      0.0000      0.0000
    40  0.0000      0.0000      0.0000      0.0000
    41  0.0000      0.0000      0.0000      0.0000
    42  0.0000      0.0000      0.0000      0.0000
    43  0.0000      0.0000      0.0000      0.0000
    44  0.0000      0.0000      0.0000      0.0000
    45  0.0000      0.0000      0.0000      0.0000
    46  0.0000      0.0000      0.0000      0.0000
    47  0.0000      0.0000      0.0000      0.0000
    48  0.0000      0.0000      0.0000      0.0000
    49  0.0000      0.0000      0.0000      0.0000
    50  0.0000      0.0000      0.0000      0.0000
    51  0.0000      0.0000      0.0000      0.0000
```

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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                          |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   0.0000       0.0000       0.0000       0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9275.     RIMNOR= 0.000
           RENORM= 2858.     REMNOR= 0.000     RATIO =0.5551     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.87     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9275.     RDR   = 0.000
           RATIOT=0.5551     RATIOR= 0.000
           MAX UN= 11.29     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9275.     RIMNOR= 0.000
           RENORM= 293.9     REMNOR=0.1230E-22 RATIO =0.1780     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.87     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9275.     RDR   = 0.000
           RATIOT=0.1780     RATIOR= 0.000
           MAX UN= 5.268     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.2755E-11 IEQ=    93 NODE     47 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9275.     RIMNOR= 0.000
           RENORM= 444.8     REMNOR=0.4270E-21 RATIO =0.2190     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.87     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9275.     RDR   = 0.000
           RATIOT=0.2190     RATIOR= 0.000
           MAX UN= 12.75     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1296E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9275.     RIMNOR= 0.000
           RENORM= 75.03     REMNOR=0.7364E-22 RATIO =0.8994E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.87     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9275.     RDR   = 0.000
           RATIOT=0.8994E-01 RATIOR= 0.000
           MAX UN= 8.447     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.6960E-10 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9275.     RIMNOR= 0.000
           RENORM=0.2982     REMNOR=0.5745E-22 RATIO =0.5670E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.87     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9275.     RDR   = 0.000
           RATIOT=0.5670E-02 RATIOR= 0.000
           MAX UN=0.5461     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.4805E-10 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
```

```
           RINORM= 9275.      RIMNOR= 0.000
           RENORM=0.2780E-19 REMNOR=0.1064E-21 RATIO =0.1731E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.87      RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT    = 9275.     RDR    = 0.000
           RATIOT=0.1731E-11 RATIOR= 0.000
           MAX UN=0.4924E-10 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.5525E-10 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                    |
|                                   Exe Time :29 July 2019      19:21:29                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     6 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (
    1   2.1740297E-03   1.0926007E-02
    2   4.3592310E-03   1.0926007E-02
    3   6.5398612E-03   1.0857439E-02
    4   8.6931329E-03   1.0652766E-02
    5   1.0792067E-02   1.0314577E-02
    6   1.2810307E-02   9.8465300E-03
    7   1.4722338E-02   9.2533814E-03
    8   1.6503711E-02   8.5410128E-03
    9   1.8131264E-02   7.7164561E-03
   10   1.9583386E-02   6.7882892E-03
   11   2.0840372E-02   5.7670031E-03
   12   2.1884798E-02   4.6648781E-03
   13   2.2701864E-02   3.4958626E-03
   14   2.3279719E-02   2.2754835E-03
   15   2.3609768E-02   1.0207708E-03
   16   2.3686970E-02  -2.4980055E-04
   17   2.3510114E-02  -1.5163673E-03
   18   2.3082095E-02  -2.7578466E-03
   19   2.2410113E-02  -3.9522556E-03
   20   2.1505853E-02  -5.0767642E-03
   21   2.0385653E-02  -6.1076844E-03
   22   1.9070659E-02  -7.0204789E-03
   23   1.7587031E-02  -7.7897199E-03
   24   1.5966095E-02  -8.3891011E-03
   25   1.4244528E-02  -8.7914237E-03
   26   1.2464536E-02  -8.9685891E-03
   27   1.0674046E-02  -8.8915925E-03
   28   8.9268473E-03  -8.5305140E-03
   29   7.2793885E-03  -7.9062101E-03
   30   5.7770333E-03  -7.0918544E-03
   31   4.4506565E-03  -6.1573519E-03
   32   3.3179941E-03  -5.1644080E-03
   33   2.3851560E-03  -4.1676113E-03
   34   1.6479564E-03  -3.2157126E-03
   35   1.0929325E-03  -2.3528906E-03
   36   6.9855057E-04  -1.6138129E-03
   37   4.3806931E-04  -1.0148239E-03
   38   2.8338282E-04  -5.5442877E-04
   39   2.0790143E-04  -2.1997924E-04
   40   1.8823949E-04   7.1958627E-06
   41   2.0502426E-04   1.4803833E-04
   42   2.4307648E-04   2.2320557E-04
   43   2.9118032E-04   2.5148025E-04
   44   3.4161270E-04   2.4891676E-04
   45   3.8955764E-04   2.2851606E-04
   46   4.3249447E-04   2.0024926E-04
   47   4.6961090E-04   1.7128584E-04
   48   5.0127483E-04   1.4631276E-04
   49   5.2857101E-04   1.2786474E-04
   50   5.5290106E-04   1.1662355E-04
   51   5.7563801E-04   1.1164794E-04
   52   5.9781684E-04   1.1051310E-04
```

GENERAL CONTRACTOR Cepav due					ALTA SORVEGLIANZA ITALFERR GRUPPO FERROVIE DELLO STATO ITALIANE
Doc. N.	Progetto INOR	Lotto 12	Codifica Documento E E2 CL GA 2701 002	Rev. A	Foglio 1187 di 1221

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+------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*   |
|                                                                                                            |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                        |
|                                  Exe Time :29 July 2019      19:21:29                                      |
+------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	-2.1740E-03	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.2429	-4.3592E-03	3.807	1.215	3.807	1.904	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	1.215	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.4885	-6.5399E-03	7.657	2.443	7.657	3.828	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	2.443	0.000	0.000	Strato1_3095_78023_L_0
4 D	0.7390	-8.6931E-03	11.58	3.695	11.58	5.792	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	3.695	0.000	0.000	Strato1_3095_78023_L_0
5 D	0.9959	-1.0792E-02	15.61	4.979	15.61	7.805	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	4.979	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.259	-1.2810E-02	19.74	6.297	19.74	9.871	ACTIVE	0.000	-1.000	0.000	1.000	1.000	6.297	0.000	0.000	Strato1_3095_78023_L_0
7 D	1.530	-1.4722E-02	23.97	7.648	23.97	11.99	ACTIVE	0.000	-1.200	0.000	1.000	1.000	7.648	0.000	0.000	Strato1_3095_78023_L_0
8 D	1.805	-1.6504E-02	28.29	9.025	28.29	14.15	ACTIVE	0.000	-1.400	0.000	1.000	1.000	9.025	0.000	0.000	Strato1_3095_78023_L_0
9 D	2.263	-1.8131E-02	35.47	11.31	35.47	17.73	ACTIVE	0.000	-1.600	0.000	1.000	1.000	11.31	0.000	0.000	Strato1_3095_78023_L_0
10 D	2.712	-1.9583E-02	42.51	13.56	42.51	21.25	ACTIVE	0.000	-1.800	0.000	1.000	1.000	13.56	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.111	-2.0840E-02	48.77	15.56	48.77	24.38	ACTIVE	0.000	-2.000	0.000	1.000	1.000	15.56	0.000	0.000	Strato1_3095_78023_L_0
12 D	3.503	-2.1885E-02	54.90	17.51	54.90	27.45	ACTIVE	0.000	-2.200	0.000	1.000	1.000	17.51	0.000	0.000	Strato1_3095_78023_L_0
13 D	3.860	-2.2702E-02	60.50	19.30	60.50	30.25	ACTIVE	0.000	-2.400	0.000	1.000	1.000	19.30	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.215	-2.3280E-02	66.07	21.08	66.07	33.04	ACTIVE	0.000	-2.600	0.000	1.000	1.000	21.08	0.000	0.000	Strato1_3095_78023_L_0
15 D	4.545	-2.3610E-02	71.24	22.73	71.24	35.62	ACTIVE	0.000	-2.800	0.000	1.000	1.000	22.73	0.000	0.000	Strato1_3095_78023_L_0
16 D	4.877	-2.3687E-02	76.44	24.38	76.44	38.22	ACTIVE	0.000	-3.000	0.000	1.000	1.000	24.38	0.000	0.000	Strato1_3095_78023_L_0
17 D	5.115	-2.3510E-02	80.17	25.57	80.17	40.08	ACTIVE	0.000	-3.200	0.000	1.000	1.000	25.57	0.000	0.000	Strato1_3095_78023_L_0
18 D	5.313	-2.3082E-02	83.27	26.56	83.27	41.63	ACTIVE	0.000	-3.400	0.000	1.000	1.000	26.56	0.000	0.000	Strato1_3095_78023_L_0
19 D	5.513	-2.2410E-02	86.42	27.57	86.42	43.21	ACTIVE	0.000	-3.600	0.000	1.000	1.000	27.57	0.000	0.000	Strato1_3095_78023_L_0
20 D	5.717	-2.1506E-02	89.61	28.59	89.61	44.80	ACTIVE	0.000	-3.800	0.000	1.000	1.000	28.59	0.000	0.000	Strato1_3095_78023_L_0
21 D	5.923	-2.0386E-02	92.84	29.62	92.84	46.42	ACTIVE	0.000	-4.000	0.000	1.000	1.000	29.62	0.000	0.000	Strato1_3095_78023_L_0
22 D	6.132	-1.9071E-02	96.11	30.66	96.11	48.06	ACTIVE	0.000	-4.200	0.000	1.000	1.000	30.66	0.000	0.000	Strato1_3095_78023_L_0
23 D	6.343	-1.7587E-02	99.41	31.71	99.41	49.71	ACTIVE	0.000	-4.400	0.000	1.000	1.000	31.71	0.000	0.000	Strato1_3095_78023_L_0
24 D	6.555	-1.5966E-02	102.7	32.78	102.7	51.37	ACTIVE	0.000	-4.600	0.000	1.000	1.000	32.78	0.000	0.000	Strato1_3095_78023_L_0
25 D	6.769	-1.4245E-02	106.1	33.85	106.1	53.05	ACTIVE	0.000	-4.800	0.000	1.000	1.000	33.85	0.000	0.000	Strato1_3095_78023_L_0
26 D	6.985	-1.2465E-02	109.5	34.93	109.5	54.74	ACTIVE	0.000	-5.000	0.000	1.000	1.000	34.93	0.000	0.000	Strato1_3095_78023_L_0
27 D	7.202	-1.0674E-02	112.9	36.01	112.9	56.45	ACTIVE	0.000	-5.200	0.000	1.000	1.000	36.01	0.000	0.000	Strato1_3095_78023_L_0
28 D	1.785	-8.9268E-03	116.3	8.927	116.3	58.16	ACTIVE	0.000	-5.400	0.000	1.000	1.000	8.927	0.000	0.000	Strato2_84780_84781_L_0
29 D	1.956	-7.2794E-03	119.8	9.782	119.8	59.88	ACTIVE	0.000	-5.600	0.000	1.000	1.000	9.782	0.000	0.000	Strato2_84780_84781_L_0
30 D	2.128	-5.7770E-03	123.2	10.64	123.2	61.61	ACTIVE	0.000	-5.800	0.000	1.000	1.000				

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10.64       0.000       0.000     Strato2_84780_84781_L_0
  31 D   2.301     -4.4507E-03  126.7       11.50       126.7       63.35          ACTIVE   0.000      -6.000      0.000       1.000       1.000
11.50       0.000       0.000     Strato2_84780_84781_L_0
  32 D   2.474     -3.3180E-03  130.2       12.37       130.2       65.10          ACTIVE   0.000      -6.200      0.000       1.000       1.000
12.37       0.000       0.000     Strato2_84780_84781_L_0
  33 D   2.648     -2.3852E-03  133.7       13.24       133.7       66.86          ACTIVE   0.000      -6.400      0.000       1.000       1.000
13.24       0.000       0.000     Strato2_84780_84781_L_0
  34 D   2.823     -1.6480E-03  137.2       14.12       137.2       68.62          ACTIVE   0.000      -6.600      0.000       1.000       1.000
14.12       0.000       0.000     Strato2_84780_84781_L_0
  35 D   4.815     -1.0929E-03  140.8       24.07       140.8       70.39           UL-RL   4.2375E+04 -6.800      0.000       1.000       1.000
24.07       0.000       0.000     Strato2_84780_84781_L_0
  36 D   8.512     -6.9855E-04  144.3       42.56       144.3       72.16           UL-RL   4.2375E+04 -7.000      0.000       1.000       1.000
42.56       0.000       0.000     Strato2_84780_84781_L_0
  37 D   11.08     -4.3807E-04  147.9       55.38       147.9       73.94           UL-RL   4.2375E+04 -7.200      0.000       1.000       1.000
55.38       0.000       0.000     Strato2_84780_84781_L_0
  38 D   12.74     -2.8338E-04  151.4       63.72       151.4       75.72           UL-RL   4.2375E+04 -7.400      0.000       1.000       1.000
63.72       0.000       0.000     Strato2_84780_84781_L_0
  39 D   13.74     -2.0790E-04  155.0       68.70       155.0       77.51           UL-RL   4.2375E+04 -7.600      0.000       1.000       1.000
68.70       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.27     -1.8824E-04  158.6       71.33       158.6       79.31           UL-RL   4.2375E+04 -7.800      0.000       1.000       1.000
71.33       0.000       0.000     Strato2_84780_84781_L_0
  41 D   14.48     -2.0502E-04  162.2       72.42       162.2       81.10           UL-RL   4.2375E+04 -8.000      0.000       1.000       1.000
72.42       0.000       0.000     Strato2_84780_84781_L_0
  42 D   14.52     -2.4308E-04  165.8       72.61       165.8       82.91           UL-RL   4.2375E+04 -8.200      0.000       1.000       1.000
72.61       0.000       0.000     Strato2_84780_84781_L_0
  43 D   14.47     -2.9118E-04  169.4       72.37       169.4       84.71           UL-RL   4.2375E+04 -8.400      0.000       1.000       1.000
72.37       0.000       0.000     Strato2_84780_84781_L_0
  44 D   14.41     -3.4161E-04  173.0       72.04       173.0       86.52           UL-RL   4.2375E+04 -8.600      0.000       1.000       1.000
72.04       0.000       0.000     Strato2_84780_84781_L_0
  45 D   14.36     -3.8956E-04  176.7       71.82       176.7       88.33           UL-RL   4.2375E+04 -8.800      0.000       1.000       1.000
71.82       0.000       0.000     Strato2_84780_84781_L_0
  46 D   14.36     -4.3249E-04  180.3       71.82       180.3       90.15           UL-RL   4.2375E+04 -9.000      0.000       1.000       1.000
71.82       0.000       0.000     Strato2_84780_84781_L_0
  47 D   14.41     -4.6961E-04  183.9       72.07       183.9       91.97           UL-RL   4.2375E+04 -9.200      0.000       1.000       1.000
72.07       0.000       0.000     Strato2_84780_84781_L_0
  48 D   14.51     -5.0127E-04  187.6       72.55       187.6       93.79           UL-RL   4.2375E+04 -9.400      0.000       1.000       1.000
72.55       0.000       0.000     Strato2_84780_84781_L_0
  49 D   14.65     -5.2857E-04  191.3       73.24       191.3       95.64           UL-RL   4.2375E+04 -9.600      0.000       1.000       1.000
73.24       0.000       0.000     Strato2_84780_84781_L_0
  50 D   14.81     -5.5290E-04  195.0       74.06       195.0       97.49           UL-RL   4.2375E+04 -9.800      0.000       1.000       1.000
74.06       0.000       0.000     Strato2_84780_84781_L_0
  51 D   14.99     -5.7564E-04  198.7       74.96       198.7       99.35           UL-RL   4.2375E+04 -10.00      0.000       1.000       1.000
74.96       0.000       0.000     Strato2_84780_84781_L_0
  52 D   7.587     -5.9782E-04  202.4       75.87       202.4       101.2           UL-RL   4.2375E+04 -10.20      0.000       1.000       1.000
75.87       0.000       0.000     Strato2_84780_84781_L_0

 +-------------------------------------------------------------------------------------------------------------------------------------------+
 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                    1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                                    |
 |                                     Exe Time :29 July 2019      19:21:29                                                                  |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                          :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000       1.000       1.000
0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000       1.000       1.000
0.000       0.000       0.000     not available
```

9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000	0.000
not available														
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000	0.000
not available														
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000	0.000
not available														
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000	0.000
not available														
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000	0.000
not available														
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000	0.000
not available														
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000	0.000
not available														
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000	0.000
not available														
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000	0.000
not available														
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000	0.000
not available														
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000	0.000
not available														
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000	0.000
not available														
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000	0.000
not available														
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000	0.000
not available														
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000	0.000
not available														
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000	0.000
not available														
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000	0.000
not available														
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000	0.000
not available														
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000	0.000
not available														
28 D	18.88	8.9268E-03	0.9500	94.39	102.6	94.39	PASSIVE	0.000	-5.400	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
29 D	19.56	7.2794E-03	4.750	97.81	106.4	97.81	V-C	8050.	-5.600	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
30 D	17.67	5.7770E-03	8.550	88.35	110.2	88.35	V-C	8050.	-5.800	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
31 D	16.02	4.4507E-03	12.35	80.08	114.0	80.08	V-C	8050.	-6.000	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
32 D	14.65	3.3180E-03	16.15	73.25	117.8	73.25	V-C	8050.	-6.200	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
33 D	13.59	2.3852E-03	19.95	67.94	121.6	67.94	V-C	8050.	-6.400	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
34 D	12.83	1.6480E-03	23.75	64.16	125.4	64.16	V-C	8050.	-6.600	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
35 D	11.24	1.0929E-03	27.55	56.22	129.2	64.60	UL-RL	2.4150E+04	-6.800	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
36 D	9.831	6.9855E-04	31.35	49.16	133.0	66.50	UL-RL	2.4150E+04	-7.000	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
37 D	9.050	4.3807E-04	35.15	45.25	136.8	68.40	UL-RL	2.4150E+04	-7.200	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
38 D	8.769	2.8338E-04	38.95	43.84	140.6	70.30	UL-RL	2.4150E+04	-7.400	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
39 D	8.861	2.0790E-04	42.75	44.31	144.4	72.20	UL-RL	2.4150E+04	-7.600	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
40 D	9.215	1.8824E-04	46.55	46.08	148.2	74.10	UL-RL	2.4150E+04	-7.800	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
41 D	9.739	2.0502E-04	50.35	48.69	152.0	76.00	UL-RL	2.4150E+04	-8.000	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
42 D	10.36	2.4308E-04	54.15	51.80	155.8	77.90	UL-RL	2.4150E+04	-8.200	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
43 D	11.02	2.9118E-04	57.95	55.12	159.6	79.80	UL-RL	2.4150E+04	-8.400	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
44 D	11.69	3.4161E-04	61.75	58.47	163.4	81.70	UL-RL	2.4150E+04	-8.600	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
45 D	12.35	3.8956E-04	65.55	61.75	167.2	83.60	UL-RL	2.4150E+04	-8.800	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
46 D	12.98	4.3249E-04	69.35	64.89	171.0	85.50	UL-RL	2.4150E+04	-9.000	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
47 D	13.58	4.6961E-04	73.15	67.88	174.8	87.40	UL-RL	2.4150E+04	-9.200	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
48 D	14.14	5.0127E-04	76.95	70.72	178.6	89.30	UL-RL	2.4150E+04	-9.400	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
49 D	14.69	5.2857E-04	80.75	73.45	182.4	91.20	UL-RL	2.4150E+04	-9.600	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
50 D	15.22	5.5290E-04	84.55	76.09	186.2	93.10	UL-RL	2.4150E+04	-9.800	0.000	1.000	1.000	0.000	0.000
Strato2_84780_84781_L_0														
51 D	15.74	5.7564E-04	88.35	78.68	190.0	95.00	UL-RL	2.4150E+04	-10.00	0.000	1.000	1.000	0.000	0.000

78.68 0.000 0.000 Strato2_84780_84781_L_0
52 D 8.126 5.9782E-04 92.15 81.26 193.8 96.90 UL-RL 2.4150E+04 -10.20 0.000 1.000 1.000
81.26 0.000 0.000 Strato2_84780_84781_L_0

PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017*

1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484
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1468.1 - GA27 - Cepav2

S T R E S S R E S U L T S F O R G R O U P N O. 3

WallElement_33 :
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 51
C U R R E N T T I M E I S 3.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	4.79439E-12	-4.79439E-12	4.48752E-13	1.09890E-12
2	-32.515	32.515	-5.80980E-13	-6.5029
3	-32.026	32.026	6.5029	-12.908
4	-31.287	31.287	12.908	-19.166
5	-30.291	30.291	19.166	-25.224
6	-29.032	29.032	25.224	-31.030
7	-27.502	27.502	31.030	-36.531
8	-25.697	25.697	36.531	-41.670
9	-23.435	23.435	41.670	-46.357
10	-20.723	20.723	46.357	-50.502
11	-17.611	17.611	50.502	-54.024
12	-14.108	14.108	54.024	-56.845
13	-10.248	10.248	56.845	-58.895
14	-6.0328	6.0328	58.895	-60.102
15	-1.4874	1.4874	60.102	-60.399
16	3.3893	-3.3893	60.399	-59.721
17	8.5041	-8.5041	59.721	-58.020
18	13.817	-13.817	58.020	-55.257
19	19.330	-19.330	55.257	-51.391
20	25.047	-25.047	51.391	-46.382
21	30.970	-30.970	46.382	-40.188
22	37.102	-37.102	40.188	-32.767
23	43.445	-43.445	32.767	-24.078
24	50.000	-50.000	24.078	-14.078
25	56.769	-56.769	14.078	-2.7242
26	63.754	-63.754	2.7242	10.027
27	70.957	-70.957	-10.027	24.218
28	53.864	-53.864	-24.218	34.991
29	36.258	-36.258	-34.991	42.242
30	20.715	-20.715	-42.242	46.386
31	6.9999	-6.9999	-46.386	47.785
32	-5.1752	5.1752	-47.785	46.750
33	-16.115	16.115	-46.750	43.527
34	-26.125	26.125	-43.527	38.302
35	-32.555	32.555	-38.302	31.791
36	-33.874	33.874	-31.791	25.017
37	-31.849	31.849	-25.017	18.647
38	-27.875	27.875	-18.647	13.072
39	-22.995	22.995	-13.072	8.4731
40	-17.944	17.944	-8.4731	4.8843
41	-13.199	13.199	-4.8843	2.2445
42	-9.0372	9.0372	-2.2445	0.43706
43	-5.5862	5.5862	-0.43706	-0.68018
44	-2.8722	2.8722	0.68018	-1.2546
45	-0.85783	0.85783	1.2546	-1.4262
46	0.52750	-0.52750	1.4262	-1.3207
47	1.3647	-1.3647	1.3207	-1.0478
48	1.7295	-1.7295	1.0478	-0.70186
49	1.6880	-1.6880	0.70186	-0.36426
50	1.2832	-1.2832	0.36426	-0.10762
51	0.53811	-0.53811	0.10762	-1.71391E-14

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                          |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
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1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P   N O.    4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   95.777       0.0000      1.49094E-03   0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A1M1R1_3484                                          |
|                                   Exe Time :29 July 2019      19:21:29                                                        |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        2
        3           CONVERGENCE :YES                        6



 END OF PROCESS FOR PROBLEM
1468.1 - GA27 - Cepav2
NONLINEAR SOLUTION CPU TIME ....    0.03 [sec]
DATABASE  CREATION CPU TIME.....    0.12 [sec]
```

5.7. Design Assumption : A2+M2+R1 - File di Paratie - File di input (.d)

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
 * Time:lunedì 29 luglio 2019 19:21:30
 * 1: Defining general settings
 UNIT  m kN
 TITLE 1468.1 - GA27 - Cepav2
 DELTA 0.2
 option param itemax 100
 option control hinges 0 0.0001 0.001

 * 2: Defining wall(s)
 WALL LeftWall_32 0 -10.2 0 1

 * 3: Defining surfaces for wall(s)
 SOIL 0_L LeftWall_32 -10.2 0 1 0
 SOIL 0_R LeftWall_32 -10.2 0 2 180

 * 4: Defining soil layers
 *
 * Soil Profile (Strato1_3095_78023_L_0)
 *
 LDATA Strato1_3095_78023_L_0 0 LeftWall_32
 ATREST 0.5 0.5 1
 WEIGHT 19 9 10
 PERMEABILITY 1E-05
 RESISTANCE 0 29
 YOUNG 2.5E+04 4E+04
 ENDL
 *
 * Soil Profile (Strato2_84780_84781_L_0)
 *
```

```
LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
ATREST 0.5 0.5 1
WEIGHT 19 9 10
PERMEABILITY 1E-05
RESISTANCE 20 35
YOUNG 5E+04 1.5E+05
ENDL

* 5: Defining structural materials
* Steel material: 113 Name=S275 E=210000000 kPa
MATERIAL S275_113 2.1E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07
* Rebar material: 78036 Name=S275 E=210000000 kPa
MATERIAL S275_78036 2.1E+08

* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0


* 6.2: Supports
WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0




* 6.3: Strips
STRIP LeftWall_32 3 3 2.33 3 0 67.7 30

* 7: Defining Steps
STEP Stage0_86326
CHANGE Strato1_3095_78023_L_0 U-FRICT=23.91 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KA=0.392 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-KP=2.792 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KA=0.392 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-KP=2.792 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-FRICT=29.26 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KA=0.316 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-KP=3.655 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KA=0.316 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-KP=3.655 LeftWall_32
CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 U-COHE=16 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ENDSTEP

STEP Stage1_31
CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 0
WATER -17 0 -10.2 0 0
ADD WallElement_33 Tieback_78031
ENDSTEP

STEP Stage2_158
CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
SETWALL LeftWall_32
GEOM 0 -5.35
WATER -17 0 -10.2 0 0
ENDSTEP
```

5.8. Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
```

```
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                |
|                                 Exe Time :29 July 2019      19:21:30                                              |
+-----------------------------------------------------------------------------------------------------------------------+

                  ********************************************************
                  *                                                      *
                  *  PARATIE PLUS Non-Linear Spring Engine               *
                  *                                                      *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM     *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES     *
                  *                                                      *
                  *          Written by Ce.A.S. s.r.l. (ITALY)           *
                  *          with the scientific supervision of          *
                  *          Roberto Nova - full professor SOIL MECHANICS*
                  *          at Politecnico di Milano (ITALY)            *
                  *                                                      *
                  ********************************************************
                  *                                                      *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                      *
                  *                                                      *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE    *
                  *              VIALE   GIUSTINIANO 10                  *
                  *              20129   M I L A N O  (ITALIA)           *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)     *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)     *
                  *  email       bruno.becci@ceas.it                     *
                  *  Web Page    www.ceas.it                             *
                  ********************************************************



 JOB : 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514
 STARTING
ACCEPTED   <FILE,GENW                                                                >
ACCEPTED   <FILE,PLOTTER,BINARY                                                      >
ACCEPTED   <SOLVE TOTAL_STRESS                                                       >
ACCEPTED   <PARAM ITEMAX 100                                                         >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                            >



                  ********************************************************
                  *                                                      *
                  *  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED *
                  *    BY THE PROGRAM.                                   *
                  ********************************************************

PRELIMINARY OPERATIONS CPU TIME     0.01 [sec]



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*             |
|                                                                                                                       |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                |
|                                 Exe Time :29 July 2019      19:21:30                                              |
+-----------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


1468.1 - GA27 - Cepav2


NO. OF NODAL POINTS (NUMNP) ..................   52
NO. OF COORDINATES  (NCOORD)..................    2
NO. OF NODE DOFS    (NDOF)....................    2
NO. OF EQUATIONS    (NEQ).....................  104
NO. OF CONSTRAINTS CARDS (NVINC)..............    0
NO. OF ELEMENT GROUPS (NEG)...................    4
NO. OF SOLUTION STEPS (NSTE)..................    3
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ....................   68
NO. OF LONG NAMES (LASTNAME) .................   16
LENGTH UNIT CHOICE ...........................    3 (M   )
FORCE  UNIT CHOICE ...........................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


IDOFA (01) =  2  Y-DISPL.F
```

```
IDOFA (02) =  4   X-ROT. F

 RELEVANT ITEMS UNITS

 STRESSES                  kPa
 Y-DISPLACEMENTS           m
 ROTATIONS                 RADIANS
 BEAM AND SLAB MOMENTS     kN*m/m
 BEAM SHEAR FORCES         kN/m
 ANCHOR FORCES             kN/m
 AXIAL FORCES IN TRUSSES   kN/m
 AXIAL FORCES SPRINGS      kN/m
 Y-REACTIONS               kN/m
 X-MOMENT REACTIONS        kN*m/m
 ETC.



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                    |
|                                   Exe Time :29 July 2019      19:21:30                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     68

    1 : UNIT  m kN
    2 : TITLE 1468.1 - GA27 - Cepav2
    3 : DELTA 0.2
    4 : option param itemax 100
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -10.2 0 1
    7 : SOIL 0_L LeftWall_32 -10.2 0 1 0
    8 : SOIL 0_R LeftWall_32 -10.2 0 2 180
    9 : LDATA Strato1_3095_78023_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 9 10
   12 : PERMEABILITY 1E-05
   13 : RESISTANCE 0 29
   14 : YOUNG 2.5E+04 4E+04
   15 : ENDL
   16 : LDATA Strato2_84780_84781_L_0 -5.35 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 19 9 10
   19 : PERMEABILITY 1E-05
   20 : RESISTANCE 20 35
   21 : YOUNG 5E+04 1.5E+05
   22 : ENDL
   23 : MATERIAL S275_113 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : MATERIAL S275_78036 2.1E+08
   26 : BEAM WallElement_33 LeftWall_32 -10.2 0 S275_113 0.08153 00 00 0
   27 : WIRE Tieback_78031 LeftWall_32 -0.2 S275_78036 0.0003059 0 70 0 0
   28 : STRIP LeftWall_32 3 3 2.33 3 0 67.7 30
   29 : STEP Stage0_86326
   30 : CHANGE Strato1_3095_78023_L_0 U-FRICT=23.91 LeftWall_32
   31 : CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
   32 : CHANGE Strato1_3095_78023_L_0 U-KA=0.392 LeftWall_32
   33 : CHANGE Strato1_3095_78023_L_0 U-KP=2.792 LeftWall_32
   34 : CHANGE Strato1_3095_78023_L_0 D-KA=0.392 LeftWall_32
   35 : CHANGE Strato1_3095_78023_L_0 D-KP=2.792 LeftWall_32
   36 : CHANGE Strato2_84780_84781_L_0 U-FRICT=29.26 LeftWall_32
   37 : CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
   38 : CHANGE Strato2_84780_84781_L_0 U-KA=0.316 LeftWall_32
   39 : CHANGE Strato2_84780_84781_L_0 U-KP=3.655 LeftWall_32
   40 : CHANGE Strato2_84780_84781_L_0 D-KA=0.316 LeftWall_32
   41 : CHANGE Strato2_84780_84781_L_0 D-KP=3.655 LeftWall_32
   42 : CHANGE Strato1_3095_78023_L_0 U-COHE=0 LeftWall_32
   43 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   44 : CHANGE Strato2_84780_84781_L_0 U-COHE=16 LeftWall_32
   45 : CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
   46 : SETWALL LeftWall_32
   47 : GEOM 0 0
   48 : WATER -17 0 -10.2 0 0
   49 : ENDSTEP
   50 : STEP Stage1_31
   51 : CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
   52 : CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
   53 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   54 : CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
   55 : SETWALL LeftWall_32
   56 : GEOM 0 0
```

```
   57 : WATER -17 0 -10.2 0 0
   58 : ADD WallElement_33 Tieback_78031
   59 : ENDSTEP
   60 : STEP Stage2_158
   61 : CHANGE Strato1_3095_78023_L_0 D-FRICT=23.91 LeftWall_32
   62 : CHANGE Strato2_84780_84781_L_0 D-FRICT=29.26 LeftWall_32
   63 : CHANGE Strato1_3095_78023_L_0 D-COHE=0 LeftWall_32
   64 : CHANGE Strato2_84780_84781_L_0 D-COHE=16 LeftWall_32
   65 : SETWALL LeftWall_32
   66 : GEOM 0 -5.35
   67 : WATER -17 0 -10.2 0 0
   68 : ENDSTEP



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                   Exe Time :29 July 2019      19:21:30                                                |
+-----------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
---------------------------------

NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD / NODE     Y-COORD     Z-COORD /

   1  0.0000      0.0000     /    2  0.0000    -0.20000     /    3  0.0000    -0.40000     /    4  0.0000    -0.60000     /
   5  0.0000    -0.80000     /    6  0.0000     -1.0000     /    7  0.0000     -1.2000     /    8  0.0000     -1.4000     /
   9  0.0000     -1.6000     /   10  0.0000     -1.8000     /   11  0.0000     -2.0000     /   12  0.0000     -2.2000     /
  13  0.0000     -2.4000     /   14  0.0000     -2.6000     /   15  0.0000     -2.8000     /   16  0.0000     -3.0000     /
  17  0.0000     -3.2000     /   18  0.0000     -3.4000     /   19  0.0000     -3.6000     /   20  0.0000     -3.8000     /
  21  0.0000     -4.0000     /   22  0.0000     -4.2000     /   23  0.0000     -4.4000     /   24  0.0000     -4.6000     /
  25  0.0000     -4.8000     /   26  0.0000     -5.0000     /   27  0.0000     -5.2000     /   28  0.0000     -5.4000     /
  29  0.0000     -5.6000     /   30  0.0000     -5.8000     /   31  0.0000     -6.0000     /   32  0.0000     -6.2000     /
  33  0.0000     -6.4000     /   34  0.0000     -6.6000     /   35  0.0000     -6.8000     /   36  0.0000     -7.0000     /
  37  0.0000     -7.2000     /   38  0.0000     -7.4000     /   39  0.0000     -7.6000     /   40  0.0000     -7.8000     /
  41  0.0000     -8.0000     /   42  0.0000     -8.2000     /   43  0.0000     -8.4000     /   44  0.0000     -8.6000     /
  45  0.0000     -8.8000     /   46  0.0000     -9.0000     /   47  0.0000     -9.2000     /   48  0.0000     -9.4000     /
  49  0.0000     -9.6000     /   50  0.0000     -9.8000     /   51  0.0000     -10.000     /   52  0.0000     -10.200     /



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                   Exe Time :29 July 2019      19:21:30                                                |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                             :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
..........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              0.00000
 prop( 2) layer as foreseen  2.00000


 element data

   el    n  mat      area      .....      .....      .....      flag
-------------------------------------------------------------------

    1    1    1   0.1000      0.000      0.000      0.000     1.000
    2    2    1   0.2000      0.000      0.000      0.000     1.000
    3    3    1   0.2000      0.000      0.000      0.000     1.000
```

4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	2	0.2000	0.000	0.000	0.000	1.000
29	29	2	0.2000	0.000	0.000	0.000	1.000
30	30	2	0.2000	0.000	0.000	0.000	1.000
31	31	2	0.2000	0.000	0.000	0.000	1.000
32	32	2	0.2000	0.000	0.000	0.000	1.000
33	33	2	0.2000	0.000	0.000	0.000	1.000
34	34	2	0.2000	0.000	0.000	0.000	1.000
35	35	2	0.2000	0.000	0.000	0.000	1.000
36	36	2	0.2000	0.000	0.000	0.000	1.000
37	37	2	0.2000	0.000	0.000	0.000	1.000
38	38	2	0.2000	0.000	0.000	0.000	1.000
39	39	2	0.2000	0.000	0.000	0.000	1.000
40	40	2	0.2000	0.000	0.000	0.000	1.000
41	41	2	0.2000	0.000	0.000	0.000	1.000
42	42	2	0.2000	0.000	0.000	0.000	1.000
43	43	2	0.2000	0.000	0.000	0.000	1.000
44	44	2	0.2000	0.000	0.000	0.000	1.000
45	45	2	0.2000	0.000	0.000	0.000	1.000
46	46	2	0.2000	0.000	0.000	0.000	1.000
47	47	2	0.2000	0.000	0.000	0.000	1.000
48	48	2	0.2000	0.000	0.000	0.000	1.000
49	49	2	0.2000	0.000	0.000	0.000	1.000
50	50	2	0.2000	0.000	0.000	0.000	1.000
51	51	2	0.2000	0.000	0.000	0.000	1.000
52	52	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*          |
|                                                                                                                   |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                |
|                                 Exe Time :29 July 2019      19:21:30                                              |
+-------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                          :
   5  52   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

stage   status
------------------
    1   active
    2   active
    3   active

 material set no.    1

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  1.00000


 material set no.    2

 prop( 1) angle              180.000
 prop( 2) layer as foreseen  2.00000
```

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	2	0.2000	0.000	0.000	0.000	2.000
29	29	2	0.2000	0.000	0.000	0.000	2.000
30	30	2	0.2000	0.000	0.000	0.000	2.000
31	31	2	0.2000	0.000	0.000	0.000	2.000
32	32	2	0.2000	0.000	0.000	0.000	2.000
33	33	2	0.2000	0.000	0.000	0.000	2.000
34	34	2	0.2000	0.000	0.000	0.000	2.000
35	35	2	0.2000	0.000	0.000	0.000	2.000
36	36	2	0.2000	0.000	0.000	0.000	2.000
37	37	2	0.2000	0.000	0.000	0.000	2.000
38	38	2	0.2000	0.000	0.000	0.000	2.000
39	39	2	0.2000	0.000	0.000	0.000	2.000
40	40	2	0.2000	0.000	0.000	0.000	2.000
41	41	2	0.2000	0.000	0.000	0.000	2.000
42	42	2	0.2000	0.000	0.000	0.000	2.000
43	43	2	0.2000	0.000	0.000	0.000	2.000
44	44	2	0.2000	0.000	0.000	0.000	2.000
45	45	2	0.2000	0.000	0.000	0.000	2.000
46	46	2	0.2000	0.000	0.000	0.000	2.000
47	47	2	0.2000	0.000	0.000	0.000	2.000
48	48	2	0.2000	0.000	0.000	0.000	2.000
49	49	2	0.2000	0.000	0.000	0.000	2.000
50	50	2	0.2000	0.000	0.000	0.000	2.000
51	51	2	0.2000	0.000	0.000	0.000	2.000
52	52	2	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                          |
|                                   Exe Time :29 July 2019      19:21:30                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                 :
   2  51   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT............
.....................................

element group behaviour throughout stage analysis

stage   status
-------------------
    1  inactive
    2   active
    3   active
```

material set no. 1

prop(1) young modulus 0.210000E+09
prop(2) modification time 0.00000
prop(3) new young modulus 0.00000
prop(4) poisson ratio 0.00000
prop(5) future 0.182200E-43

no. of step variable items: 1

step	inertia multipier
1	1.000
2	1.000
3	1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.8153E-01	0.000	0.000
2	2	3	1	0.000	0.000	0.8153E-01	0.000	0.000
3	3	4	1	0.000	0.000	0.8153E-01	0.000	0.000
4	4	5	1	0.000	0.000	0.8153E-01	0.000	0.000
5	5	6	1	0.000	0.000	0.8153E-01	0.000	0.000
6	6	7	1	0.000	0.000	0.8153E-01	0.000	0.000
7	7	8	1	0.000	0.000	0.8153E-01	0.000	0.000
8	8	9	1	0.000	0.000	0.8153E-01	0.000	0.000
9	9	10	1	0.000	0.000	0.8153E-01	0.000	0.000
10	10	11	1	0.000	0.000	0.8153E-01	0.000	0.000
11	11	12	1	0.000	0.000	0.8153E-01	0.000	0.000
12	12	13	1	0.000	0.000	0.8153E-01	0.000	0.000
13	13	14	1	0.000	0.000	0.8153E-01	0.000	0.000
14	14	15	1	0.000	0.000	0.8153E-01	0.000	0.000
15	15	16	1	0.000	0.000	0.8153E-01	0.000	0.000
16	16	17	1	0.000	0.000	0.8153E-01	0.000	0.000
17	17	18	1	0.000	0.000	0.8153E-01	0.000	0.000
18	18	19	1	0.000	0.000	0.8153E-01	0.000	0.000
19	19	20	1	0.000	0.000	0.8153E-01	0.000	0.000
20	20	21	1	0.000	0.000	0.8153E-01	0.000	0.000
21	21	22	1	0.000	0.000	0.8153E-01	0.000	0.000
22	22	23	1	0.000	0.000	0.8153E-01	0.000	0.000
23	23	24	1	0.000	0.000	0.8153E-01	0.000	0.000
24	24	25	1	0.000	0.000	0.8153E-01	0.000	0.000
25	25	26	1	0.000	0.000	0.8153E-01	0.000	0.000
26	26	27	1	0.000	0.000	0.8153E-01	0.000	0.000
27	27	28	1	0.000	0.000	0.8153E-01	0.000	0.000
28	28	29	1	0.000	0.000	0.8153E-01	0.000	0.000
29	29	30	1	0.000	0.000	0.8153E-01	0.000	0.000
30	30	31	1	0.000	0.000	0.8153E-01	0.000	0.000
31	31	32	1	0.000	0.000	0.8153E-01	0.000	0.000
32	32	33	1	0.000	0.000	0.8153E-01	0.000	0.000
33	33	34	1	0.000	0.000	0.8153E-01	0.000	0.000
34	34	35	1	0.000	0.000	0.8153E-01	0.000	0.000
35	35	36	1	0.000	0.000	0.8153E-01	0.000	0.000
36	36	37	1	0.000	0.000	0.8153E-01	0.000	0.000
37	37	38	1	0.000	0.000	0.8153E-01	0.000	0.000
38	38	39	1	0.000	0.000	0.8153E-01	0.000	0.000
39	39	40	1	0.000	0.000	0.8153E-01	0.000	0.000
40	40	41	1	0.000	0.000	0.8153E-01	0.000	0.000
41	41	42	1	0.000	0.000	0.8153E-01	0.000	0.000
42	42	43	1	0.000	0.000	0.8153E-01	0.000	0.000
43	43	44	1	0.000	0.000	0.8153E-01	0.000	0.000
44	44	45	1	0.000	0.000	0.8153E-01	0.000	0.000
45	45	46	1	0.000	0.000	0.8153E-01	0.000	0.000
46	46	47	1	0.000	0.000	0.8153E-01	0.000	0.000
47	47	48	1	0.000	0.000	0.8153E-01	0.000	0.000
48	48	49	1	0.000	0.000	0.8153E-01	0.000	0.000
49	49	50	1	0.000	0.000	0.8153E-01	0.000	0.000
50	50	51	1	0.000	0.000	0.8153E-01	0.000	0.000
51	51	52	1	0.000	0.000	0.8153E-01	0.000	0.000

+---
| PARATIEPLUS(TM) NLS ENGINE RELEASE 2017.1 FULL VERSION *Build date:Jul 11, 2017* |
| 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514 |
| Exe Time :29 July 2019 19:21:30 |
+---

ELEMENT GROUP NO. 4

Tieback_78031 :
6 1 0 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 2 0

```
.................................
.........2D POST-TENSION ANCHOR....
.................................

element group behaviour throughout stage analysis

stage   status
------------------
    1  inactive
    2   active
    3   active

 material set no.    1

 prop( 1) angle          70.0000
 prop( 2) young modulus 0.210000E+09
 prop( 3) modification  time  0.00000
 prop( 4) new young modulus   0.00000

 no. of step variable items:     2
 step   -ve lim     +ve lim
-----------------------------
    1   0.000       0.000
    2   0.000       0.000
    3   0.000       0.000

 element data

   el    n  mat       a/l     pinit    yieldc    yieldt
-------------------------------------------------------

    1    2    1   0.3059E-03 0.000     0.000     0.000



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      19:21:30                                                   |
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NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................    6
MAXIMUM POINTS/LCURVE (NPTM)...................    5



+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                     |
|                                  Exe Time :29 July 2019      19:21:30                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A



    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       4.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       4.00000    0.0000E+00
```

```
     LOAD FUNCTION NUMBER   =    3
     NUMBER OF TIME POINTS  =    5

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        3.20000    0.0000E+00
        4.00000    0.0000E+00



     LOAD FUNCTION NUMBER   =    4
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        0.80000    0.0000E+00
        1.00000    0.1000E+01
        4.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    5
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        1.80000    0.0000E+00
        2.00000    0.1000E+01
        4.00000    0.1000E+01



     LOAD FUNCTION NUMBER   =    6
     NUMBER OF TIME POINTS  =    4

     TIME VALUE      FUNCTION

        0.00000    0.0000E+00
        2.80000    0.0000E+00
        3.00000    0.1000E+01
        4.00000    0.1000E+01


 NO. OF DISTRIBUTED LOAD CARDS     0




+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                   |
|                                  Exe Time :29 July 2019      19:21:30                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 L O A D     B A L A N C E

 STEP     1 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
 STEP     1 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

 STEP     2 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
 STEP     2 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

 STEP     3 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
 STEP     3 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                      LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                     Exe Time :29 July 2019      19:21:30                                                |
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NO. OF LAYERS ................................    2
NO. OF DATA PER LAYER.........................  100



+-------------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                     Exe Time :29 July 2019      19:21:30                                                |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.39200     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.7920     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.39200     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.7920     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    1

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31600     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6550     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31600     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6550     WALL NO.        1
```

```
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.39200     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.7920     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.39200     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.7920     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    2

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31600     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6550     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31600     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6550     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  10.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  23.910     WALL NO.        1
ITEM NO.   9<U-FRICT >=  29.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.39200     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.7920     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
```

```
ITEM NO.  17<EVC     >=  25000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  40000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  23.910     WALL NO.        1
ITEM NO.  59<D-FRICT >=  29.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.39200     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.7920     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    3

ITEM NO.   1<NAME    >=  11.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -5.3500     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  16.000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  20.000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  29.260     WALL NO.        1
ITEM NO.   9<U-FRICT >=  35.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31600     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.6550     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-04 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  16.000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  20.000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  29.260     WALL NO.        1
ITEM NO.  59<D-FRICT >=  35.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31600     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.6550     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-04 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     6 VALUES



+-------------------------------------------------------------------------------------------------------------------+
|                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*         |
|                                                                                                                   |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                              |
|                                   Exe Time :29 July 2019      19:21:30                                            |
+-------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                         -17.00       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -10.20        -10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
```

UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step 2

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.350	0.000
Z-WATER_TABLE	-17.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-10.20	-10.20
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000

```
SEISMIC PRESSURE UPPER LEVEL            0.000         0.000

==========================================================================================================end of step    3


 LEFT-HAND WALL

 LOWER  LEVEL         -10.20000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -10.20000
 UPPER  LEVEL           0.00000




+------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                     |
|                                 Exe Time :29 July 2019      19:21:30                                                   |
+------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L   S T R E S S   T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


INPUT DATA FOR INITIAL STRESS SET NO.    1
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              3.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   3.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           2.33000000000000
 FOUNDATION WIDTH    (B)            3.00000000000000
 ZETA-F.....                       0.000000000000000E+000
 Q-F .....                          67.7000000000000
 BETA .....                         30.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        2422

 NO. OF D.P.W  FOR THIS AREA       6191
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO         100

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
```

```
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=    104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=      1 NODE      1 DOF   1   Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                     |
 |                                  Exe Time :29 July 2019      19:21:30                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2
 SOLUTION REACHED USING     2 ITERATIONS ON  100

 P R I N T   O U T   F O R   T I M E   S T E P    1     ( AT TIME   1.000     )

 PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

           Y-DISPL.F        X-ROT. F
            (02)            (04)            (


 ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS




 +-------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                     |
 |                                  Exe Time :29 July 2019      19:21:30                                                   |
 +-------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.    1

 0_L                             :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq           Su_a         Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.8258E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  2.8258E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  2.8258E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  2.8258E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  2.8258E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  2.8258E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  2.8258E+04  -1.200       0.000       1.000       1.000
11.40       0.000       0.000     Strato1_3095_78023_L_0
   8 D   2.660       0.000       26.60       13.30       26.60       13.30            V-C  2.8258E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
   9 D   3.040       0.000       30.40       15.20       30.40       15.20            V-C  2.8258E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
  10 D   3.420       0.000       34.20       17.10       34.20       17.10            V-C  2.8258E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
  11 D   3.800       0.000       38.00       19.00       38.00       19.00            V-C  2.8258E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
  12 D   4.180       0.000       41.80       20.90       41.80       20.90            V-C  2.8258E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
  13 D   4.560       0.000       45.60       22.80       45.60       22.80            V-C  2.8258E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
  14 D   4.940       0.000       49.40       24.70       49.40       24.70            V-C  2.8258E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
```

15 D	5.320	0.000	53.20	26.60	53.20	26.60	V-C	2.8258E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	V-C	2.8258E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	V-C	2.8258E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	V-C	2.8258E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	V-C	2.8258E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	V-C	2.8258E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	V-C	2.8258E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	V-C	2.8258E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	V-C	2.8258E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	V-C	2.8258E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	V-C	2.8258E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	V-C	2.8258E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	V-C	2.8258E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	V-C	6.2739E+04	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	V-C	6.2739E+04	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	V-C	6.2739E+04	-5.800	0.000	1.000	1.000	55.10	0.000	0.000	Strato2_84780_84781_L_0
31 D	11.40	0.000	114.0	57.00	114.0	57.00	V-C	6.2739E+04	-6.000	0.000	1.000	1.000	57.00	0.000	0.000	Strato2_84780_84781_L_0
32 D	11.78	0.000	117.8	58.90	117.8	58.90	V-C	6.2739E+04	-6.200	0.000	1.000	1.000	58.90	0.000	0.000	Strato2_84780_84781_L_0
33 D	12.16	0.000	121.6	60.80	121.6	60.80	V-C	6.2739E+04	-6.400	0.000	1.000	1.000	60.80	0.000	0.000	Strato2_84780_84781_L_0
34 D	12.54	0.000	125.4	62.70	125.4	62.70	V-C	6.2739E+04	-6.600	0.000	1.000	1.000	62.70	0.000	0.000	Strato2_84780_84781_L_0
35 D	12.92	0.000	129.2	64.60	129.2	64.60	V-C	6.2739E+04	-6.800	0.000	1.000	1.000	64.60	0.000	0.000	Strato2_84780_84781_L_0
36 D	13.30	0.000	133.0	66.50	133.0	66.50	V-C	6.2739E+04	-7.000	0.000	1.000	1.000	66.50	0.000	0.000	Strato2_84780_84781_L_0
37 D	13.68	0.000	136.8	68.40	136.8	68.40	V-C	6.2739E+04	-7.200	0.000	1.000	1.000	68.40	0.000	0.000	Strato2_84780_84781_L_0
38 D	14.06	0.000	140.6	70.30	140.6	70.30	V-C	6.2739E+04	-7.400	0.000	1.000	1.000	70.30	0.000	0.000	Strato2_84780_84781_L_0
39 D	14.44	0.000	144.4	72.20	144.4	72.20	V-C	6.2739E+04	-7.600	0.000	1.000	1.000	72.20	0.000	0.000	Strato2_84780_84781_L_0
40 D	14.82	0.000	148.2	74.10	148.2	74.10	V-C	6.2739E+04	-7.800	0.000	1.000	1.000	74.10	0.000	0.000	Strato2_84780_84781_L_0
41 D	15.20	0.000	152.0	76.00	152.0	76.00	V-C	6.2739E+04	-8.000	0.000	1.000	1.000	76.00	0.000	0.000	Strato2_84780_84781_L_0
42 D	15.58	0.000	155.8	77.90	155.8	77.90	V-C	6.2739E+04	-8.200	0.000	1.000	1.000	77.90	0.000	0.000	Strato2_84780_84781_L_0
43 D	15.96	0.000	159.6	79.80	159.6	79.80	V-C	6.2739E+04	-8.400	0.000	1.000	1.000	79.80	0.000	0.000	Strato2_84780_84781_L_0
44 D	16.34	0.000	163.4	81.70	163.4	81.70	V-C	6.2739E+04	-8.600	0.000	1.000	1.000	81.70	0.000	0.000	Strato2_84780_84781_L_0
45 D	16.72	0.000	167.2	83.60	167.2	83.60	V-C	6.2739E+04	-8.800	0.000	1.000	1.000	83.60	0.000	0.000	Strato2_84780_84781_L_0
46 D	17.10	0.000	171.0	85.50	171.0	85.50	V-C	6.2739E+04	-9.000	0.000	1.000	1.000	85.50	0.000	0.000	Strato2_84780_84781_L_0
47 D	17.48	0.000	174.8	87.40	174.8	87.40	V-C	6.2739E+04	-9.200	0.000	1.000	1.000	87.40	0.000	0.000	Strato2_84780_84781_L_0
48 D	17.86	0.000	178.6	89.30	178.6	89.30	V-C	6.2739E+04	-9.400	0.000	1.000	1.000	89.30	0.000	0.000	Strato2_84780_84781_L_0
49 D	18.24	0.000	182.4	91.20	182.4	91.20	V-C	6.2739E+04	-9.600	0.000	1.000	1.000	91.20	0.000	0.000	Strato2_84780_84781_L_0
50 D	18.62	0.000	186.2	93.10	186.2	93.10	V-C	6.2739E+04	-9.800	0.000	1.000	1.000	93.10	0.000	0.000	Strato2_84780_84781_L_0
51 D	19.00	0.000	190.0	95.00	190.0	95.00	V-C	6.2739E+04	-10.00	0.000	1.000	1.000	95.00	0.000	0.000	Strato2_84780_84781_L_0
52 D	9.690	0.000	193.8	96.90	193.8	96.90	V-C	6.2739E+04	-10.20	0.000	1.000	1.000	96.90	0.000	0.000	Strato2_84780_84781_L_0

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                          |
 |                                   Exe Time :29 July 2019      19:21:30                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1 D   0.000       0.000       0.000       0.000       0.000       0.000            V-C  2.3916E+04   0.000       0.000       1.000       1.000
0.000       0.000       0.000     Strato1_3095_78023_L_0
   2 D  0.3800       0.000       3.800       1.900       3.800       1.900            V-C  2.3916E+04 -0.2000       0.000       1.000       1.000
1.900       0.000       0.000     Strato1_3095_78023_L_0
   3 D  0.7600       0.000       7.600       3.800       7.600       3.800            V-C  2.3916E+04 -0.4000       0.000       1.000       1.000
3.800       0.000       0.000     Strato1_3095_78023_L_0
   4 D   1.140       0.000       11.40       5.700       11.40       5.700            V-C  2.3916E+04 -0.6000       0.000       1.000       1.000
5.700       0.000       0.000     Strato1_3095_78023_L_0
   5 D   1.520       0.000       15.20       7.600       15.20       7.600            V-C  2.3916E+04 -0.8000       0.000       1.000       1.000
7.600       0.000       0.000     Strato1_3095_78023_L_0
   6 D   1.900       0.000       19.00       9.500       19.00       9.500            V-C  2.3916E+04  -1.000       0.000       1.000       1.000
9.500       0.000       0.000     Strato1_3095_78023_L_0
   7 D   2.280       0.000       22.80       11.40       22.80       11.40            V-C  2.3916E+04  -1.200       0.000       1.000       1.000
11.40       0.000       0.000     Strato1_3095_78023_L_0
   8 D   2.660       0.000       26.60       13.30       26.60       13.30            V-C  2.3916E+04  -1.400       0.000       1.000       1.000
13.30       0.000       0.000     Strato1_3095_78023_L_0
   9 D   3.040       0.000       30.40       15.20       30.40       15.20            V-C  2.3916E+04  -1.600       0.000       1.000       1.000
15.20       0.000       0.000     Strato1_3095_78023_L_0
  10 D   3.420       0.000       34.20       17.10       34.20       17.10            V-C  2.3916E+04  -1.800       0.000       1.000       1.000
17.10       0.000       0.000     Strato1_3095_78023_L_0
  11 D   3.800       0.000       38.00       19.00       38.00       19.00            V-C  2.3916E+04  -2.000       0.000       1.000       1.000
19.00       0.000       0.000     Strato1_3095_78023_L_0
  12 D   4.180       0.000       41.80       20.90       41.80       20.90            V-C  2.3916E+04  -2.200       0.000       1.000       1.000
20.90       0.000       0.000     Strato1_3095_78023_L_0
  13 D   4.560       0.000       45.60       22.80       45.60       22.80            V-C  2.3916E+04  -2.400       0.000       1.000       1.000
22.80       0.000       0.000     Strato1_3095_78023_L_0
  14 D   4.940       0.000       49.40       24.70       49.40       24.70            V-C  2.3916E+04  -2.600       0.000       1.000       1.000
24.70       0.000       0.000     Strato1_3095_78023_L_0
  15 D   5.320       0.000       53.20       26.60       53.20       26.60            V-C  2.3916E+04  -2.800       0.000       1.000       1.000
26.60       0.000       0.000     Strato1_3095_78023_L_0
  16 D   5.700       0.000       57.00       28.50       57.00       28.50            V-C  2.3916E+04  -3.000       0.000       1.000       1.000
28.50       0.000       0.000     Strato1_3095_78023_L_0
  17 D   6.080       0.000       60.80       30.40       60.80       30.40            V-C  2.3916E+04  -3.200       0.000       1.000       1.000
30.40       0.000       0.000     Strato1_3095_78023_L_0
  18 D   6.460       0.000       64.60       32.30       64.60       32.30            V-C  2.3916E+04  -3.400       0.000       1.000       1.000
32.30       0.000       0.000     Strato1_3095_78023_L_0
  19 D   6.840       0.000       68.40       34.20       68.40       34.20            V-C  2.3916E+04  -3.600       0.000       1.000       1.000
34.20       0.000       0.000     Strato1_3095_78023_L_0
  20 D   7.220       0.000       72.20       36.10       72.20       36.10            V-C  2.3916E+04  -3.800       0.000       1.000       1.000
36.10       0.000       0.000     Strato1_3095_78023_L_0
  21 D   7.600       0.000       76.00       38.00       76.00       38.00            V-C  2.3916E+04  -4.000       0.000       1.000       1.000
38.00       0.000       0.000     Strato1_3095_78023_L_0
  22 D   7.980       0.000       79.80       39.90       79.80       39.90            V-C  2.3916E+04  -4.200       0.000       1.000       1.000
39.90       0.000       0.000     Strato1_3095_78023_L_0
  23 D   8.360       0.000       83.60       41.80       83.60       41.80            V-C  2.3916E+04  -4.400       0.000       1.000       1.000
41.80       0.000       0.000     Strato1_3095_78023_L_0
  24 D   8.740       0.000       87.40       43.70       87.40       43.70            V-C  2.3916E+04  -4.600       0.000       1.000       1.000
43.70       0.000       0.000     Strato1_3095_78023_L_0
  25 D   9.120       0.000       91.20       45.60       91.20       45.60            V-C  2.3916E+04  -4.800       0.000       1.000       1.000
45.60       0.000       0.000     Strato1_3095_78023_L_0
  26 D   9.500       0.000       95.00       47.50       95.00       47.50            V-C  2.3916E+04  -5.000       0.000       1.000       1.000
47.50       0.000       0.000     Strato1_3095_78023_L_0
  27 D   9.880       0.000       98.80       49.40       98.80       49.40            V-C  2.3916E+04  -5.200       0.000       1.000       1.000
49.40       0.000       0.000     Strato1_3095_78023_L_0
  28 D   10.26       0.000       102.6       51.30       102.6       51.30            V-C  4.3088E+04  -5.400       0.000       1.000       1.000
51.30       0.000       0.000     Strato2_84780_84781_L_0
  29 D   10.64       0.000       106.4       53.20       106.4       53.20            V-C  4.3088E+04  -5.600       0.000       1.000       1.000
53.20       0.000       0.000     Strato2_84780_84781_L_0
  30 D   11.02       0.000       110.2       55.10       110.2       55.10            V-C  4.3088E+04  -5.800       0.000       1.000       1.000
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55.10       0.000       0.000     Strato2_84780_84781_L_0
  31 D   11.40       0.000       114.0       57.00       114.0       57.00          V-C  4.3088E+04  -6.000       0.000       1.000       1.000
57.00       0.000       0.000     Strato2_84780_84781_L_0
  32 D   11.78       0.000       117.8       58.90       117.8       58.90          V-C  4.3088E+04  -6.200       0.000       1.000       1.000
58.90       0.000       0.000     Strato2_84780_84781_L_0
  33 D   12.16       0.000       121.6       60.80       121.6       60.80          V-C  4.3088E+04  -6.400       0.000       1.000       1.000
60.80       0.000       0.000     Strato2_84780_84781_L_0
  34 D   12.54       0.000       125.4       62.70       125.4       62.70          V-C  4.3088E+04  -6.600       0.000       1.000       1.000
62.70       0.000       0.000     Strato2_84780_84781_L_0
  35 D   12.92       0.000       129.2       64.60       129.2       64.60          V-C  4.3088E+04  -6.800       0.000       1.000       1.000
64.60       0.000       0.000     Strato2_84780_84781_L_0
  36 D   13.30       0.000       133.0       66.50       133.0       66.50          V-C  4.3088E+04  -7.000       0.000       1.000       1.000
66.50       0.000       0.000     Strato2_84780_84781_L_0
  37 D   13.68       0.000       136.8       68.40       136.8       68.40          V-C  4.3088E+04  -7.200       0.000       1.000       1.000
68.40       0.000       0.000     Strato2_84780_84781_L_0
  38 D   14.06       0.000       140.6       70.30       140.6       70.30          V-C  4.3088E+04  -7.400       0.000       1.000       1.000
70.30       0.000       0.000     Strato2_84780_84781_L_0
  39 D   14.44       0.000       144.4       72.20       144.4       72.20          V-C  4.3088E+04  -7.600       0.000       1.000       1.000
72.20       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.82       0.000       148.2       74.10       148.2       74.10          V-C  4.3088E+04  -7.800       0.000       1.000       1.000
74.10       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.20       0.000       152.0       76.00       152.0       76.00          V-C  4.3088E+04  -8.000       0.000       1.000       1.000
76.00       0.000       0.000     Strato2_84780_84781_L_0
  42 D   15.58       0.000       155.8       77.90       155.8       77.90          V-C  4.3088E+04  -8.200       0.000       1.000       1.000
77.90       0.000       0.000     Strato2_84780_84781_L_0
  43 D   15.96       0.000       159.6       79.80       159.6       79.80          V-C  4.3088E+04  -8.400       0.000       1.000       1.000
79.80       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.34       0.000       163.4       81.70       163.4       81.70          V-C  4.3088E+04  -8.600       0.000       1.000       1.000
81.70       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.72       0.000       167.2       83.60       167.2       83.60          V-C  4.3088E+04  -8.800       0.000       1.000       1.000
83.60       0.000       0.000     Strato2_84780_84781_L_0
  46 D   17.10       0.000       171.0       85.50       171.0       85.50          V-C  4.3088E+04  -9.000       0.000       1.000       1.000
85.50       0.000       0.000     Strato2_84780_84781_L_0
  47 D   17.48       0.000       174.8       87.40       174.8       87.40          V-C  4.3088E+04  -9.200       0.000       1.000       1.000
87.40       0.000       0.000     Strato2_84780_84781_L_0
  48 D   17.86       0.000       178.6       89.30       178.6       89.30          V-C  4.3088E+04  -9.400       0.000       1.000       1.000
89.30       0.000       0.000     Strato2_84780_84781_L_0
  49 D   18.24       0.000       182.4       91.20       182.4       91.20          V-C  4.3088E+04  -9.600       0.000       1.000       1.000
91.20       0.000       0.000     Strato2_84780_84781_L_0
  50 D   18.62       0.000       186.2       93.10       186.2       93.10          V-C  4.3088E+04  -9.800       0.000       1.000       1.000
93.10       0.000       0.000     Strato2_84780_84781_L_0
  51 D   19.00       0.000       190.0       95.00       190.0       95.00          V-C  4.3088E+04  -10.00       0.000       1.000       1.000
95.00       0.000       0.000     Strato2_84780_84781_L_0
  52 D   9.690       0.000       193.8       96.90       193.8       96.90          V-C  4.3088E+04  -10.20       0.000       1.000       1.000
96.90       0.000       0.000     Strato2_84780_84781_L_0


+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                   Exe Time :29 July 2019      19:21:30                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                   Exe Time :29 July 2019      19:21:30                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                 :
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```
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      1.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------

***** NO ONE ELEMENT ACTIVE AT CURRENT STEP *****

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1258E+05 RIMNOR= 0.000
           RENORM= 0.000     REMNOR= 0.000     RATIO = 0.000     TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.00     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1258E+05 RDR   = 0.000
           RATIOT= 0.000     RATIOR= 0.000
           MAX UN= 0.000     IEQ=   104 NODE     52 DOF   2   X-ROT. F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*    |
|                                                                                                             |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                         |
|                                  Exe Time :29 July 2019      19:21:30                                       |
+-------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     2 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    2     ( AT TIME   2.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
           (02)             (04)            (


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS



+-------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*    |
|                                                                                                             |
|                                 1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                         |
|                                  Exe Time :29 July 2019      19:21:30                                       |
+-------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    1

0_L                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
C U R R E N T    T I M E    I S      2.0000
```

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	4.5212E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	4.5212E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	4.5212E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	4.5212E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	4.5212E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	4.5212E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	4.5212E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	4.5212E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	4.5212E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	4.5212E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	4.5212E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	4.5212E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	4.5212E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	4.5212E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	4.5212E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0
16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	4.5212E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	4.5212E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	4.5212E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	4.5212E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	4.5212E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	4.5212E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	4.5212E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	4.5212E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	4.5212E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	4.5212E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	4.5212E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	4.5212E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	1.8822E+05	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	1.8822E+05	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	1.8822E+05	-5.800	0.000	1.000	1.000	55.10	0.000	0.000	Strato2_84780_84781_L_0
31 D	11.40	0.000	114.0	57.00	114.0	57.00	UL-RL	1.8822E+05	-6.000	0.000	1.000	1.000	57.00	0.000	0.000	Strato2_84780_84781_L_0
32 D	11.78	0.000	117.8	58.90	117.8	58.90	UL-RL	1.8822E+05	-6.200	0.000	1.000	1.000	58.90	0.000	0.000	Strato2_84780_84781_L_0
33 D	12.16	0.000	121.6	60.80	121.6	60.80	UL-RL	1.8822E+05	-6.400	0.000	1.000	1.000	60.80	0.000	0.000	Strato2_84780_84781_L_0
34 D	12.54	0.000	125.4	62.70	125.4	62.70	UL-RL	1.8822E+05	-6.600	0.000	1.000	1.000	62.70	0.000	0.000	Strato2_84780_84781_L_0
35 D	12.92	0.000	129.2	64.60	129.2	64.60	UL-RL	1.8822E+05	-6.800	0.000	1.000	1.000	64.60	0.000	0.000	Strato2_84780_84781_L_0
36 D	13.30	0.000	133.0	66.50	133.0	66.50	UL-RL	1.8822E+05	-7.000	0.000	1.000	1.000	66.50	0.000	0.000	Strato2_84780_84781_L_0
37 D	13.68	0.000	136.8	68.40	136.8	68.40	UL-RL	1.8822E+05	-7.200	0.000	1.000	1.000	68.40	0.000	0.000	Strato2_84780_84781_L_0
38 D	14.06	0.000	140.6	70.30	140.6	70.30	UL-RL	1.8822E+05	-7.400	0.000	1.000	1.000	70.30	0.000	0.000	Strato2_84780_84781_L_0

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
39 D	14.44	0.000	144.4	72.20	144.4	72.20	UL-RL	1.8822E+05	-7.600	0.000	1.000	1.000	72.20	0.000	0.000	Strato2_84780_84781_L_0
40 D	14.82	0.000	148.2	74.10	148.2	74.10	UL-RL	1.8822E+05	-7.800	0.000	1.000	1.000	74.10	0.000	0.000	Strato2_84780_84781_L_0
41 D	15.20	0.000	152.0	76.00	152.0	76.00	UL-RL	1.8822E+05	-8.000	0.000	1.000	1.000	76.00	0.000	0.000	Strato2_84780_84781_L_0
42 D	15.58	0.000	155.8	77.90	155.8	77.90	UL-RL	1.8822E+05	-8.200	0.000	1.000	1.000	77.90	0.000	0.000	Strato2_84780_84781_L_0
43 D	15.96	0.000	159.6	79.80	159.6	79.80	UL-RL	1.8822E+05	-8.400	0.000	1.000	1.000	79.80	0.000	0.000	Strato2_84780_84781_L_0
44 D	16.34	0.000	163.4	81.70	163.4	81.70	UL-RL	1.8822E+05	-8.600	0.000	1.000	1.000	81.70	0.000	0.000	Strato2_84780_84781_L_0
45 D	16.72	0.000	167.2	83.60	167.2	83.60	UL-RL	1.8822E+05	-8.800	0.000	1.000	1.000	83.60	0.000	0.000	Strato2_84780_84781_L_0
46 D	17.10	0.000	171.0	85.50	171.0	85.50	UL-RL	1.8822E+05	-9.000	0.000	1.000	1.000	85.50	0.000	0.000	Strato2_84780_84781_L_0
47 D	17.48	0.000	174.8	87.40	174.8	87.40	UL-RL	1.8822E+05	-9.200	0.000	1.000	1.000	87.40	0.000	0.000	Strato2_84780_84781_L_0
48 D	17.86	0.000	178.6	89.30	178.6	89.30	UL-RL	1.8822E+05	-9.400	0.000	1.000	1.000	89.30	0.000	0.000	Strato2_84780_84781_L_0
49 D	18.24	0.000	182.4	91.20	182.4	91.20	UL-RL	1.8822E+05	-9.600	0.000	1.000	1.000	91.20	0.000	0.000	Strato2_84780_84781_L_0
50 D	18.62	0.000	186.2	93.10	186.2	93.10	UL-RL	1.8822E+05	-9.800	0.000	1.000	1.000	93.10	0.000	0.000	Strato2_84780_84781_L_0
51 D	19.00	0.000	190.0	95.00	190.0	95.00	UL-RL	1.8822E+05	-10.00	0.000	1.000	1.000	95.00	0.000	0.000	Strato2_84780_84781_L_0
52 D	9.690	0.000	193.8	96.90	193.8	96.90	UL-RL	1.8822E+05	-10.20	0.000	1.000	1.000	96.90	0.000	0.000	Strato2_84780_84781_L_0

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+----------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*  |
|                                                                                                          |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                     |
|                                   Exe Time :29 July 2019      19:21:30                                   |
+----------------------------------------------------------------------------------------------------------+
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1468.1 - GA27 - Cepav2

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T   T I M E   I S   2.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	0.000	0.000	0.000	0.000	0.000	UL-RL	3.8266E+04	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.3800	0.000	3.800	1.900	3.800	1.900	UL-RL	3.8266E+04	-0.2000	0.000	1.000	1.000	1.900	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.7600	0.000	7.600	3.800	7.600	3.800	UL-RL	3.8266E+04	-0.4000	0.000	1.000	1.000	3.800	0.000	0.000	Strato1_3095_78023_L_0
4 D	1.140	0.000	11.40	5.700	11.40	5.700	UL-RL	3.8266E+04	-0.6000	0.000	1.000	1.000	5.700	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.520	0.000	15.20	7.600	15.20	7.600	UL-RL	3.8266E+04	-0.8000	0.000	1.000	1.000	7.600	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.900	0.000	19.00	9.500	19.00	9.500	UL-RL	3.8266E+04	-1.000	0.000	1.000	1.000	9.500	0.000	0.000	Strato1_3095_78023_L_0
7 D	2.280	0.000	22.80	11.40	22.80	11.40	UL-RL	3.8266E+04	-1.200	0.000	1.000	1.000	11.40	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.660	0.000	26.60	13.30	26.60	13.30	UL-RL	3.8266E+04	-1.400	0.000	1.000	1.000	13.30	0.000	0.000	Strato1_3095_78023_L_0
9 D	3.040	0.000	30.40	15.20	30.40	15.20	UL-RL	3.8266E+04	-1.600	0.000	1.000	1.000	15.20	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.420	0.000	34.20	17.10	34.20	17.10	UL-RL	3.8266E+04	-1.800	0.000	1.000	1.000	17.10	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.800	0.000	38.00	19.00	38.00	19.00	UL-RL	3.8266E+04	-2.000	0.000	1.000	1.000	19.00	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.180	0.000	41.80	20.90	41.80	20.90	UL-RL	3.8266E+04	-2.200	0.000	1.000	1.000	20.90	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.560	0.000	45.60	22.80	45.60	22.80	UL-RL	3.8266E+04	-2.400	0.000	1.000	1.000	22.80	0.000	0.000	Strato1_3095_78023_L_0
14 D	4.940	0.000	49.40	24.70	49.40	24.70	UL-RL	3.8266E+04	-2.600	0.000	1.000	1.000	24.70	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.320	0.000	53.20	26.60	53.20	26.60	UL-RL	3.8266E+04	-2.800	0.000	1.000	1.000	26.60	0.000	0.000	Strato1_3095_78023_L_0

16 D	5.700	0.000	57.00	28.50	57.00	28.50	UL-RL	3.8266E+04	-3.000	0.000	1.000	1.000	28.50	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.080	0.000	60.80	30.40	60.80	30.40	UL-RL	3.8266E+04	-3.200	0.000	1.000	1.000	30.40	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.460	0.000	64.60	32.30	64.60	32.30	UL-RL	3.8266E+04	-3.400	0.000	1.000	1.000	32.30	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.840	0.000	68.40	34.20	68.40	34.20	UL-RL	3.8266E+04	-3.600	0.000	1.000	1.000	34.20	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.220	0.000	72.20	36.10	72.20	36.10	UL-RL	3.8266E+04	-3.800	0.000	1.000	1.000	36.10	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.600	0.000	76.00	38.00	76.00	38.00	UL-RL	3.8266E+04	-4.000	0.000	1.000	1.000	38.00	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.980	0.000	79.80	39.90	79.80	39.90	UL-RL	3.8266E+04	-4.200	0.000	1.000	1.000	39.90	0.000	0.000	Strato1_3095_78023_L_0
23 D	8.360	0.000	83.60	41.80	83.60	41.80	UL-RL	3.8266E+04	-4.400	0.000	1.000	1.000	41.80	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.740	0.000	87.40	43.70	87.40	43.70	UL-RL	3.8266E+04	-4.600	0.000	1.000	1.000	43.70	0.000	0.000	Strato1_3095_78023_L_0
25 D	9.120	0.000	91.20	45.60	91.20	45.60	UL-RL	3.8266E+04	-4.800	0.000	1.000	1.000	45.60	0.000	0.000	Strato1_3095_78023_L_0
26 D	9.500	0.000	95.00	47.50	95.00	47.50	UL-RL	3.8266E+04	-5.000	0.000	1.000	1.000	47.50	0.000	0.000	Strato1_3095_78023_L_0
27 D	9.880	0.000	98.80	49.40	98.80	49.40	UL-RL	3.8266E+04	-5.200	0.000	1.000	1.000	49.40	0.000	0.000	Strato1_3095_78023_L_0
28 D	10.26	0.000	102.6	51.30	102.6	51.30	UL-RL	1.2926E+05	-5.400	0.000	1.000	1.000	51.30	0.000	0.000	Strato2_84780_84781_L_0
29 D	10.64	0.000	106.4	53.20	106.4	53.20	UL-RL	1.2926E+05	-5.600	0.000	1.000	1.000	53.20	0.000	0.000	Strato2_84780_84781_L_0
30 D	11.02	0.000	110.2	55.10	110.2	55.10	UL-RL	1.2926E+05	-5.800	0.000	1.000	1.000	55.10	0.000	0.000	Strato2_84780_84781_L_0
31 D	11.40	0.000	114.0	57.00	114.0	57.00	UL-RL	1.2926E+05	-6.000	0.000	1.000	1.000	57.00	0.000	0.000	Strato2_84780_84781_L_0
32 D	11.78	0.000	117.8	58.90	117.8	58.90	UL-RL	1.2926E+05	-6.200	0.000	1.000	1.000	58.90	0.000	0.000	Strato2_84780_84781_L_0
33 D	12.16	0.000	121.6	60.80	121.6	60.80	UL-RL	1.2926E+05	-6.400	0.000	1.000	1.000	60.80	0.000	0.000	Strato2_84780_84781_L_0
34 D	12.54	0.000	125.4	62.70	125.4	62.70	UL-RL	1.2926E+05	-6.600	0.000	1.000	1.000	62.70	0.000	0.000	Strato2_84780_84781_L_0
35 D	12.92	0.000	129.2	64.60	129.2	64.60	UL-RL	1.2926E+05	-6.800	0.000	1.000	1.000	64.60	0.000	0.000	Strato2_84780_84781_L_0
36 D	13.30	0.000	133.0	66.50	133.0	66.50	UL-RL	1.2926E+05	-7.000	0.000	1.000	1.000	66.50	0.000	0.000	Strato2_84780_84781_L_0
37 D	13.68	0.000	136.8	68.40	136.8	68.40	UL-RL	1.2926E+05	-7.200	0.000	1.000	1.000	68.40	0.000	0.000	Strato2_84780_84781_L_0
38 D	14.06	0.000	140.6	70.30	140.6	70.30	UL-RL	1.2926E+05	-7.400	0.000	1.000	1.000	70.30	0.000	0.000	Strato2_84780_84781_L_0
39 D	14.44	0.000	144.4	72.20	144.4	72.20	UL-RL	1.2926E+05	-7.600	0.000	1.000	1.000	72.20	0.000	0.000	Strato2_84780_84781_L_0
40 D	14.82	0.000	148.2	74.10	148.2	74.10	UL-RL	1.2926E+05	-7.800	0.000	1.000	1.000	74.10	0.000	0.000	Strato2_84780_84781_L_0
41 D	15.20	0.000	152.0	76.00	152.0	76.00	UL-RL	1.2926E+05	-8.000	0.000	1.000	1.000	76.00	0.000	0.000	Strato2_84780_84781_L_0
42 D	15.58	0.000	155.8	77.90	155.8	77.90	UL-RL	1.2926E+05	-8.200	0.000	1.000	1.000	77.90	0.000	0.000	Strato2_84780_84781_L_0
43 D	15.96	0.000	159.6	79.80	159.6	79.80	UL-RL	1.2926E+05	-8.400	0.000	1.000	1.000	79.80	0.000	0.000	Strato2_84780_84781_L_0
44 D	16.34	0.000	163.4	81.70	163.4	81.70	UL-RL	1.2926E+05	-8.600	0.000	1.000	1.000	81.70	0.000	0.000	Strato2_84780_84781_L_0
45 D	16.72	0.000	167.2	83.60	167.2	83.60	UL-RL	1.2926E+05	-8.800	0.000	1.000	1.000	83.60	0.000	0.000	Strato2_84780_84781_L_0
46 D	17.10	0.000	171.0	85.50	171.0	85.50	UL-RL	1.2926E+05	-9.000	0.000	1.000	1.000	85.50	0.000	0.000	Strato2_84780_84781_L_0
47 D	17.48	0.000	174.8	87.40	174.8	87.40	UL-RL	1.2926E+05	-9.200	0.000	1.000	1.000	87.40	0.000	0.000	Strato2_84780_84781_L_0
48 D	17.86	0.000	178.6	89.30	178.6	89.30	UL-RL	1.2926E+05	-9.400	0.000	1.000	1.000	89.30	0.000	0.000	Strato2_84780_84781_L_0
49 D	18.24	0.000	182.4	91.20	182.4	91.20	UL-RL	1.2926E+05	-9.600	0.000	1.000	1.000	91.20	0.000	0.000	Strato2_84780_84781_L_0
50 D	18.62	0.000	186.2	93.10	186.2	93.10	UL-RL	1.2926E+05	-9.800	0.000	1.000	1.000	93.10	0.000	0.000	Strato2_84780_84781_L_0
51 D	19.00	0.000	190.0	95.00	190.0	95.00	UL-RL	1.2926E+05	-10.00	0.000	1.000	1.000	95.00	0.000	0.000	Strato2_84780_84781_L_0
52 D	9.690	0.000	193.8	96.90	193.8	96.90	UL-RL	1.2926E+05	-10.20	0.000	1.000	1.000	96.90	0.000	0.000	Strato2_84780_84781_L_0

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                          |
|                                   Exe Time :29 July 2019      19:21:30                                                        |
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1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
C U R R E N T   T I M E   I S     2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1  0.0000      0.0000      0.0000      0.0000
    2  0.0000      0.0000      0.0000      0.0000
    3  0.0000      0.0000      0.0000      0.0000
    4  0.0000      0.0000      0.0000      0.0000
    5  0.0000      0.0000      0.0000      0.0000
    6  0.0000      0.0000      0.0000      0.0000
    7  0.0000      0.0000      0.0000      0.0000
    8  0.0000      0.0000      0.0000      0.0000
    9  0.0000      0.0000      0.0000      0.0000
   10  0.0000      0.0000      0.0000      0.0000
   11  0.0000      0.0000      0.0000      0.0000
   12  0.0000      0.0000      0.0000      0.0000
   13  0.0000      0.0000      0.0000      0.0000
   14  0.0000      0.0000      0.0000      0.0000
   15  0.0000      0.0000      0.0000      0.0000
   16  0.0000      0.0000      0.0000      0.0000
   17  0.0000      0.0000      0.0000      0.0000
   18  0.0000      0.0000      0.0000      0.0000
   19  0.0000      0.0000      0.0000      0.0000
   20  0.0000      0.0000      0.0000      0.0000
   21  0.0000      0.0000      0.0000      0.0000
   22  0.0000      0.0000      0.0000      0.0000
   23  0.0000      0.0000      0.0000      0.0000
   24  0.0000      0.0000      0.0000      0.0000
   25  0.0000      0.0000      0.0000      0.0000
   26  0.0000      0.0000      0.0000      0.0000
   27  0.0000      0.0000      0.0000      0.0000
   28  0.0000      0.0000      0.0000      0.0000
   29  0.0000      0.0000      0.0000      0.0000
   30  0.0000      0.0000      0.0000      0.0000
   31  0.0000      0.0000      0.0000      0.0000
   32  0.0000      0.0000      0.0000      0.0000
   33  0.0000      0.0000      0.0000      0.0000
   34  0.0000      0.0000      0.0000      0.0000
   35  0.0000      0.0000      0.0000      0.0000
   36  0.0000      0.0000      0.0000      0.0000
   37  0.0000      0.0000      0.0000      0.0000
   38  0.0000      0.0000      0.0000      0.0000
   39  0.0000      0.0000      0.0000      0.0000
   40  0.0000      0.0000      0.0000      0.0000
   41  0.0000      0.0000      0.0000      0.0000
   42  0.0000      0.0000      0.0000      0.0000
   43  0.0000      0.0000      0.0000      0.0000
   44  0.0000      0.0000      0.0000      0.0000
   45  0.0000      0.0000      0.0000      0.0000
   46  0.0000      0.0000      0.0000      0.0000
   47  0.0000      0.0000      0.0000      0.0000
   48  0.0000      0.0000      0.0000      0.0000
   49  0.0000      0.0000      0.0000      0.0000
   50  0.0000      0.0000      0.0000      0.0000
   51  0.0000      0.0000      0.0000      0.0000
```

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+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                          |
|                                   Exe Time :29 July 2019      19:21:30                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S   R E S U L T S   F O R   G R O U P   N O.   4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T   T I M E   I S      2.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL    FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-------------------------------------------------------------------------------------------------------
ANCHOR    1   0.0000       0.0000       0.0000       0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 2973.     REMNOR= 0.000     RATIO =0.5612     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.5612     RATIOR= 0.000
           MAX UN= 11.47     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN= 0.000     IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 512.0     REMNOR=0.1276E-22 RATIO =0.2329     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.2329     RATIOR= 0.000
           MAX UN= 7.377     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.4526E-11 IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 1282.     REMNOR=0.8588E-21 RATIO =0.3686     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.3686     RATIOR= 0.000
           MAX UN= 27.49     IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.1274E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 411.0     REMNOR=0.2133E-21 RATIO =0.2087     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.2087     RATIOR= 0.000
           MAX UN= 17.76     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.9226E-10 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 55.55     REMNOR=0.2522E-21 RATIO =0.7672E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.7672E-01 RATIOR= 0.000
           MAX UN= 7.453     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.9202E-10 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
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           RINORM= 9439.     RIMNOR= 0.000
           RENORM= 1.197     REMNOR=0.3651E-21 RATIO =0.1126E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.1126E-01 RATIOR= 0.000
           MAX UN= 1.094     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1149E-09 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     7 RNORM = 0.000     RMNORM= 0.000
           RINORM= 9439.     RIMNOR= 0.000
           RENORM=0.4318E-19 REMNOR=0.1869E-21 RATIO =0.2139E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 19.98     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   = 9439.     RDR   = 0.000
           RATIOT=0.2139E-11 RATIOR= 0.000
           MAX UN=0.7327E-10 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.8316E-10 IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0



+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                  |
|                                   Exe Time :29 July 2019      19:21:30                                                |
+-----------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2
SOLUTION REACHED USING     7 ITERATIONS ON  100

P R I N T   O U T   F O R   T I M E   S T E P    3     ( AT TIME   3.000     )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.6552239E-03   1.6243190E-02
    2   5.9038619E-03   1.6243190E-02
    3   9.1463047E-03   1.6150262E-02
    4   1.2351661E-02   1.5872746E-02
    5   1.5483310E-02   1.5413828E-02
    6   1.8505399E-02   1.4778016E-02
    7   2.1383114E-02   1.3971178E-02
    8   2.4082953E-02   1.3000583E-02
    9   2.6573010E-02   1.1874931E-02
   10   2.8823301E-02   1.0604905E-02
   11   3.0806226E-02   9.2036771E-03
   12   3.2497057E-02   7.6867364E-03
   13   3.3874382E-02   6.0717234E-03
   14   3.4920520E-02   4.3783046E-03
   15   3.5621916E-02   2.6280682E-03
   16   3.5969521E-02   8.4444406E-04
   17   3.5959147E-02  -9.4737565E-04
   18   3.5591806E-02  -2.7206686E-03
   19   3.4873969E-02  -4.4476258E-03
   20   3.3817766E-02  -6.0994250E-03
   21   3.2441206E-02  -7.6462141E-03
   22   3.0768346E-02  -9.0571262E-03
   23   2.8829544E-02  -1.0300219E-02
   24   2.6661646E-02  -1.1342494E-02
   25   2.4308206E-02  -1.2149875E-02
   26   2.1819700E-02  -1.2687201E-02
   27   1.9253759E-02  -1.2918213E-02
   28   1.6675339E-02  -1.2805548E-02
   29   1.4154441E-02  -1.2349365E-02
   30   1.1755585E-02  -1.1593308E-02
   31   9.5334798E-03  -1.0591827E-02
   32   7.5308748E-03  -9.4101817E-03
   33   5.7765118E-03  -8.1221183E-03
   34   4.2844130E-03  -6.7982729E-03
   35   3.0556460E-03  -5.4977784E-03
   36   2.0804380E-03  -4.2702375E-03
   37   1.3398895E-03  -3.1576706E-03
   38   8.0729163E-04  -2.1963344E-03
   39   4.4978198E-04  -1.4086052E-03
   40   2.3218627E-04  -7.9582532E-04
   41   1.2072001E-04  -3.4402305E-04
   42   8.5351405E-05  -3.0605432E-05
   43   1.0100292E-04   1.7068837E-04
   44   1.4791708E-04   2.8633709E-04
   45   2.1145902E-04   3.4080982E-04
```

46	2.8157368E-04	3.5527734E-04
47	3.5205323E-04	3.4699386E-04
48	4.1973217E-04	3.2912450E-04
49	4.8367441E-04	3.1082587E-04
50	5.4439041E-04	2.9745014E-04
51	6.0309997E-04	2.9076151E-04
52	6.6103101E-04	2.8909125E-04

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*    |
|                                                                                                            |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                       |
|                                   Exe Time :29 July 2019      19:21:30                                     |
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1468.1 - GA27 - Cepav2

S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 52
C U R R E N T   T I M E   I S   3.0000

HARDENING 2D SOIL ELEMENT

****** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	-2.6552E-03	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Strato1_3095_78023_L_0
2 D	0.2986	-5.9039E-03	3.808	1.493	3.808	1.904	ACTIVE	0.000	-0.2000	0.000	1.000	1.000	1.493	0.000	0.000	Strato1_3095_78023_L_0
3 D	0.6009	-9.1463E-03	7.664	3.004	7.664	3.832	ACTIVE	0.000	-0.4000	0.000	1.000	1.000	3.004	0.000	0.000	Strato1_3095_78023_L_0
4 D	0.9100	-1.2352E-02	11.61	4.550	11.61	5.803	ACTIVE	0.000	-0.6000	0.000	1.000	1.000	4.550	0.000	0.000	Strato1_3095_78023_L_0
5 D	1.228	-1.5483E-02	15.66	6.139	15.66	7.831	ACTIVE	0.000	-0.8000	0.000	1.000	1.000	6.139	0.000	0.000	Strato1_3095_78023_L_0
6 D	1.555	-1.8505E-02	19.84	7.775	19.84	9.918	ACTIVE	0.000	-1.000	0.000	1.000	1.000	7.775	0.000	0.000	Strato1_3095_78023_L_0
7 D	1.891	-2.1383E-02	24.12	9.456	24.12	12.06	ACTIVE	0.000	-1.200	0.000	1.000	1.000	9.456	0.000	0.000	Strato1_3095_78023_L_0
8 D	2.235	-2.4083E-02	28.51	11.17	28.51	14.25	ACTIVE	0.000	-1.400	0.000	1.000	1.000	11.17	0.000	0.000	Strato1_3095_78023_L_0
9 D	2.831	-2.6573E-02	36.11	14.15	36.11	18.05	ACTIVE	0.000	-1.600	0.000	1.000	1.000	14.15	0.000	0.000	Strato1_3095_78023_L_0
10 D	3.415	-2.8823E-02	43.56	17.08	43.56	21.78	ACTIVE	0.000	-1.800	0.000	1.000	1.000	17.08	0.000	0.000	Strato1_3095_78023_L_0
11 D	3.930	-3.0806E-02	50.13	19.65	50.13	25.07	ACTIVE	0.000	-2.000	0.000	1.000	1.000	19.65	0.000	0.000	Strato1_3095_78023_L_0
12 D	4.435	-3.2497E-02	56.56	22.17	56.56	28.28	ACTIVE	0.000	-2.200	0.000	1.000	1.000	22.17	0.000	0.000	Strato1_3095_78023_L_0
13 D	4.891	-3.3874E-02	62.39	24.46	62.39	31.19	ACTIVE	0.000	-2.400	0.000	1.000	1.000	24.46	0.000	0.000	Strato1_3095_78023_L_0
14 D	5.346	-3.4921E-02	68.18	26.73	68.18	34.09	ACTIVE	0.000	-2.600	0.000	1.000	1.000	26.73	0.000	0.000	Strato1_3095_78023_L_0
15 D	5.765	-3.5622E-02	73.53	28.82	73.53	36.76	ACTIVE	0.000	-2.800	0.000	1.000	1.000	28.82	0.000	0.000	Strato1_3095_78023_L_0
16 D	6.186	-3.5970E-02	78.90	30.93	78.90	39.45	ACTIVE	0.000	-3.000	0.000	1.000	1.000	30.93	0.000	0.000	Strato1_3095_78023_L_0
17 D	6.478	-3.5959E-02	82.62	32.39	82.62	41.31	ACTIVE	0.000	-3.200	0.000	1.000	1.000	32.39	0.000	0.000	Strato1_3095_78023_L_0
18 D	6.714	-3.5592E-02	85.63	33.57	85.63	42.82	ACTIVE	0.000	-3.400	0.000	1.000	1.000	33.57	0.000	0.000	Strato1_3095_78023_L_0
19 D	6.954	-3.4874E-02	88.70	34.77	88.70	44.35	ACTIVE	0.000	-3.600	0.000	1.000	1.000	34.77	0.000	0.000	Strato1_3095_78023_L_0
20 D	7.198	-3.3818E-02	91.81	35.99	91.81	45.91	ACTIVE	0.000	-3.800	0.000	1.000	1.000	35.99	0.000	0.000	Strato1_3095_78023_L_0
21 D	7.446	-3.2441E-02	94.98	37.23	94.98	47.49	ACTIVE	0.000	-4.000	0.000	1.000	1.000	37.23	0.000	0.000	Strato1_3095_78023_L_0
22 D	7.697	-3.0768E-02	98.18	38.49	98.18	49.09	ACTIVE	0.000	-4.200	0.000	1.000	1.000	38.49	0.000	0.000	Strato1_3095_78023_L_0
23 D	7.951	-2.8830E-02	101.4	39.75	101.4	50.71	ACTIVE	0.000	-4.400	0.000	1.000	1.000	39.75	0.000	0.000	Strato1_3095_78023_L_0
24 D	8.207	-2.6662E-02	104.7	41.04	104.7	52.34	ACTIVE	0.000	-4.600	0.000	1.000	1.000	41.04	0.000	0.000	Strato1_3095_78023_L_0
25 D	8.466	-2.4308E-02	108.0	42.33	108.0	53.99	ACTIVE	0.000	-4.800	0.000	1.000	1.000	42.33	0.000	0.000	Strato1_3095_78023_L_0
26 D	8.727	-2.1820E-02	111.3	43.64	111.3	55.66	ACTIVE	0.000	-5.000	0.000	1.000	1.000				

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43.64       0.000       0.000     Strato1_3095_78023_L_0
  27 D   8.991     -1.9254E-02   114.7       44.95       114.7       57.34          ACTIVE   0.000      -5.200       0.000       1.000       1.000
44.95       0.000       0.000     Strato1_3095_78023_L_0
  28 D   3.863     -1.6675E-02   118.1       19.32       118.1       59.03          ACTIVE   0.000      -5.400       0.000       1.000       1.000
19.32       0.000       0.000     Strato2_84780_84781_L_0
  29 D   4.078     -1.4154E-02   121.5       20.39       121.5       60.73          ACTIVE   0.000      -5.600       0.000       1.000       1.000
20.39       0.000       0.000     Strato2_84780_84781_L_0
  30 D   4.295     -1.1756E-02   124.9       21.47       124.9       62.44          ACTIVE   0.000      -5.800       0.000       1.000       1.000
21.47       0.000       0.000     Strato2_84780_84781_L_0
  31 D   4.512     -9.5335E-03   128.3       22.56       128.3       64.16          ACTIVE   0.000      -6.000       0.000       1.000       1.000
22.56       0.000       0.000     Strato2_84780_84781_L_0
  32 D   4.731     -7.5309E-03   131.8       23.65       131.8       65.89          ACTIVE   0.000      -6.200       0.000       1.000       1.000
23.65       0.000       0.000     Strato2_84780_84781_L_0
  33 D   4.950     -5.7765E-03   135.2       24.75       135.2       67.62          ACTIVE   0.000      -6.400       0.000       1.000       1.000
24.75       0.000       0.000     Strato2_84780_84781_L_0
  34 D   5.171     -4.2844E-03   138.7       25.85       138.7       69.37          ACTIVE   0.000      -6.600       0.000       1.000       1.000
25.85       0.000       0.000     Strato2_84780_84781_L_0
  35 D   5.392     -3.0556E-03   142.2       26.96       142.2       71.12          ACTIVE   0.000      -6.800       0.000       1.000       1.000
26.96       0.000       0.000     Strato2_84780_84781_L_0
  36 D   5.614     -2.0804E-03   145.8       28.07       145.8       72.88          ACTIVE   0.000      -7.000       0.000       1.000       1.000
28.07       0.000       0.000     Strato2_84780_84781_L_0
  37 D   5.837     -1.3399E-03   149.3       29.19       149.3       74.64          ACTIVE   0.000      -7.200       0.000       1.000       1.000
29.19       0.000       0.000     Strato2_84780_84781_L_0
  38 D   9.204     -8.0729E-04   152.8       46.02       152.8       76.41           UL-RL   3.7643E+04 -7.400       0.000       1.000       1.000
46.02       0.000       0.000     Strato2_84780_84781_L_0
  39 D   12.25     -4.4978E-04   156.4       61.25       156.4       78.19           UL-RL   3.7643E+04 -7.600       0.000       1.000       1.000
61.25       0.000       0.000     Strato2_84780_84781_L_0
  40 D   14.25     -2.3219E-04   159.9       71.23       159.9       79.97           UL-RL   3.7643E+04 -7.800       0.000       1.000       1.000
71.23       0.000       0.000     Strato2_84780_84781_L_0
  41 D   15.44     -1.2072E-04   163.5       77.21       163.5       81.75           UL-RL   3.7643E+04 -8.000       0.000       1.000       1.000
77.21       0.000       0.000     Strato2_84780_84781_L_0
  42 D   16.07     -8.5351E-05   167.1       80.33       167.1       83.54           UL-RL   3.7643E+04 -8.200       0.000       1.000       1.000
80.33       0.000       0.000     Strato2_84780_84781_L_0
  43 D   16.31     -1.0100E-04   170.7       81.53       170.7       85.33           UL-RL   3.7643E+04 -8.400       0.000       1.000       1.000
81.53       0.000       0.000     Strato2_84780_84781_L_0
  44 D   16.31     -1.4792E-04   174.3       81.56       174.3       87.13           UL-RL   3.7643E+04 -8.600       0.000       1.000       1.000
81.56       0.000       0.000     Strato2_84780_84781_L_0
  45 D   16.19     -2.1146E-04   177.9       80.97       177.9       88.93           UL-RL   3.7643E+04 -8.800       0.000       1.000       1.000
80.97       0.000       0.000     Strato2_84780_84781_L_0
  46 D   16.03     -2.8157E-04   181.5       80.14       181.5       90.74           UL-RL   3.7643E+04 -9.000       0.000       1.000       1.000
80.14       0.000       0.000     Strato2_84780_84781_L_0
  47 D   15.86     -3.5205E-04   185.1       79.29       185.1       92.54           UL-RL   3.7643E+04 -9.200       0.000       1.000       1.000
79.29       0.000       0.000     Strato2_84780_84781_L_0
  48 D   15.71     -4.1973E-04   188.7       78.55       188.7       94.35           UL-RL   3.7643E+04 -9.400       0.000       1.000       1.000
78.55       0.000       0.000     Strato2_84780_84781_L_0
  49 D   15.60     -4.8367E-04   192.4       77.99       192.4       96.20           UL-RL   3.7643E+04 -9.600       0.000       1.000       1.000
77.99       0.000       0.000     Strato2_84780_84781_L_0
  50 D   15.51     -5.4439E-04   196.1       77.56       196.1       98.05           UL-RL   3.7643E+04 -9.800       0.000       1.000       1.000
77.56       0.000       0.000     Strato2_84780_84781_L_0
  51 D   15.44     -6.0310E-04   199.8       77.20       199.8       99.90           UL-RL   3.7643E+04 -10.00       0.000       1.000       1.000
77.20       0.000       0.000     Strato2_84780_84781_L_0
  52 D   7.687     -6.6103E-04   203.5       76.87       203.5       101.8           UL-RL   3.7643E+04 -10.20       0.000       1.000       1.000
76.87       0.000       0.000     Strato2_84780_84781_L_0

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 |                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                              |
 |                                                                                                                                           |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                                      |
 |                                   Exe Time :29 July 2019      19:21:30                                                                    |
 +-------------------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S    R E S U L T S    F O R    G R O U P    N O.    2

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   52
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

  ****** TOTAL STRESS FORMULATION *****

  EL *    FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E FACTOR    UFACTOR
Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000       1.000       1.000
0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000       1.000       1.000
0.000       0.000       0.000     not available
```

5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000	0.000
0.000	not available												
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000	0.000
0.000	not available												
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000	0.000
0.000	not available												
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000	0.000
0.000	not available												
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000	0.000
0.000	not available												
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000	0.000
0.000	not available												
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000	0.000
0.000	not available												
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000	0.000
0.000	not available												
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000	0.000
0.000	not available												
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000	0.000
0.000	not available												
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000	0.000
0.000	not available												
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000	0.000
0.000	not available												
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000	0.000
0.000	not available												
18	0.000	--	--	--	--	--	REMOVED	--	-3.400	0.000	1.000	1.000	0.000
0.000	not available												
19	0.000	--	--	--	--	--	REMOVED	--	-3.600	0.000	1.000	1.000	0.000
0.000	not available												
20	0.000	--	--	--	--	--	REMOVED	--	-3.800	0.000	1.000	1.000	0.000
0.000	not available												
21	0.000	--	--	--	--	--	REMOVED	--	-4.000	0.000	1.000	1.000	0.000
0.000	not available												
22	0.000	--	--	--	--	--	REMOVED	--	-4.200	0.000	1.000	1.000	0.000
0.000	not available												
23	0.000	--	--	--	--	--	REMOVED	--	-4.400	0.000	1.000	1.000	0.000
0.000	not available												
24	0.000	--	--	--	--	--	REMOVED	--	-4.600	0.000	1.000	1.000	0.000
0.000	not available												
25	0.000	--	--	--	--	--	REMOVED	--	-4.800	0.000	1.000	1.000	0.000
0.000	not available												
26	0.000	--	--	--	--	--	REMOVED	--	-5.000	0.000	1.000	1.000	0.000
0.000	not available												
27	0.000	--	--	--	--	--	REMOVED	--	-5.200	0.000	1.000	1.000	0.000
0.000	not available												
28 D	12.93	1.6675E-02	0.9500	64.65	102.6	64.65	PASSIVE	0.000	-5.400	0.000	1.000	1.000	0.000
64.65	Strato2_84780_84781_L_0												
29 D	15.71	1.4154E-02	4.750	78.54	106.4	78.54	PASSIVE	0.000	-5.600	0.000	1.000	1.000	0.000
78.54	Strato2_84780_84781_L_0												
30 D	18.49	1.1756E-02	8.550	92.43	110.2	92.43	PASSIVE	0.000	-5.800	0.000	1.000	1.000	0.000
92.43	Strato2_84780_84781_L_0												
31 D	21.26	9.5335E-03	12.35	106.3	114.0	106.3	PASSIVE	0.000	-6.000	0.000	1.000	1.000	0.000
106.3	Strato2_84780_84781_L_0												
32 D	22.96	7.5309E-03	16.15	114.8	117.8	114.8	V-C	9062.	-6.200	0.000	1.000	1.000	0.000
114.8	Strato2_84780_84781_L_0												
33 D	20.22	5.7765E-03	19.95	101.1	121.6	101.1	V-C	9062.	-6.400	0.000	1.000	1.000	0.000
101.1	Strato2_84780_84781_L_0												
34 D	17.94	4.2844E-03	23.75	89.72	125.4	89.72	V-C	9062.	-6.600	0.000	1.000	1.000	0.000
89.72	Strato2_84780_84781_L_0												
35 D	16.14	3.0556E-03	27.55	80.70	129.2	80.70	V-C	9062.	-6.800	0.000	1.000	1.000	0.000
80.70	Strato2_84780_84781_L_0												
36 D	14.79	2.0804E-03	31.35	73.95	133.0	73.95	V-C	9062.	-7.000	0.000	1.000	1.000	0.000
73.95	Strato2_84780_84781_L_0												
37 D	13.86	1.3399E-03	35.15	69.30	136.8	69.30	V-C	9062.	-7.200	0.000	1.000	1.000	0.000
69.30	Strato2_84780_84781_L_0												
38 D	11.79	8.0729E-04	38.95	58.95	140.6	70.30	UL-RL	2.7185E+04	-7.400	0.000	1.000	1.000	0.000
58.95	Strato2_84780_84781_L_0												
39 D	10.30	4.4978E-04	42.75	51.51	144.4	72.20	UL-RL	2.7185E+04	-7.600	0.000	1.000	1.000	0.000
51.51	Strato2_84780_84781_L_0												
40 D	9.568	2.3219E-04	46.55	47.84	148.2	74.10	UL-RL	2.7185E+04	-7.800	0.000	1.000	1.000	0.000
47.84	Strato2_84780_84781_L_0												
41 D	9.405	1.2072E-04	50.35	47.02	152.0	76.00	UL-RL	2.7185E+04	-8.000	0.000	1.000	1.000	0.000
47.02	Strato2_84780_84781_L_0												
42 D	9.649	8.5351E-05	54.15	48.25	155.8	77.90	UL-RL	2.7185E+04	-8.200	0.000	1.000	1.000	0.000
48.25	Strato2_84780_84781_L_0												
43 D	10.17	1.0100E-04	57.95	50.83	159.6	79.80	UL-RL	2.7185E+04	-8.400	0.000	1.000	1.000	0.000
50.83	Strato2_84780_84781_L_0												
44 D	10.85	1.4792E-04	61.75	54.25	163.4	81.70	UL-RL	2.7185E+04	-8.600	0.000	1.000	1.000	0.000
54.25	Strato2_84780_84781_L_0												
45 D	11.62	2.1146E-04	65.55	58.09	167.2	83.60	UL-RL	2.7185E+04	-8.800	0.000	1.000	1.000	0.000
58.09	Strato2_84780_84781_L_0												
46 D	12.42	2.8157E-04	69.35	62.10	171.0	85.50	UL-RL	2.7185E+04	-9.000	0.000	1.000	1.000	0.000
62.10	Strato2_84780_84781_L_0												
47 D	13.22	3.5205E-04	73.15	66.11	174.8	87.40	UL-RL	2.7185E+04	-9.200	0.000	1.000	1.000	0.000

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66.11       0.000       0.000     Strato2_84780_84781_L_0
  48 D   14.01      4.1973E-04   76.95       70.03       178.6       89.30          UL-RL  2.7185E+04  -9.400       0.000       1.000       1.000
70.03       0.000       0.000     Strato2_84780_84781_L_0
  49 D   14.77      4.8367E-04   80.75       73.83       182.4       91.20          UL-RL  2.7185E+04  -9.600       0.000       1.000       1.000
73.83       0.000       0.000     Strato2_84780_84781_L_0
  50 D   15.51      5.4439E-04   84.55       77.54       186.2       93.10          UL-RL  2.7185E+04  -9.800       0.000       1.000       1.000
77.54       0.000       0.000     Strato2_84780_84781_L_0
  51 D   16.24      6.0310E-04   88.35       81.18       190.0       95.00          UL-RL  2.7185E+04  -10.00       0.000       1.000       1.000
81.18       0.000       0.000     Strato2_84780_84781_L_0
  52 D   8.479      6.6103E-04   92.15       84.79       193.8       96.90          UL-RL  2.7185E+04  -10.20       0.000       1.000       1.000
84.79       0.000       0.000     Strato2_84780_84781_L_0


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 |                    PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                          |
 |                                   Exe Time :29 July 2019      19:21:30                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 1468.1 - GA27 - Cepav2


 S T R E S S   R E S U L T S   F O R   G R O U P   N O.   3

 WallElement_33                  :
 ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   51
 C U R R E N T   T I M E   I S     3.0000

  WALL2D ELEMENT

    EL      TA          TB          MA          MB
 -------------------------------------------------------------
     1 3.37508E-13-3.37508E-13 2.89768E-14 1.56986E-13
     2 -44.066      44.066    -8.74856E-14 -8.8132
     3 -43.465      43.465      8.8132     -17.506
     4 -42.555      42.555      17.506     -26.017
     5 -41.328      41.328      26.017     -34.283
     6 -39.772      39.772      34.283     -42.237
     7 -37.881      37.881      42.237     -49.814
     8 -35.646      35.646      49.814     -56.943
     9 -32.816      32.816      56.943     -63.506
    10 -29.400      29.400      63.506     -69.386
    11 -25.470      25.470      69.386     -74.480
    12 -21.036      21.036      74.480     -78.687
    13 -16.144      16.144      78.687     -81.916
    14 -10.799      10.799      81.916     -84.076
    15 -5.0339      5.0339      84.076     -85.083
    16  1.1518     -1.1518      85.083     -84.852
    17  7.6293     -7.6293      84.852     -83.326
    18  14.343     -14.343      83.326     -80.458
    19  21.297     -21.297      80.458     -76.198
    20  28.495     -28.495      76.198     -70.499
    21  35.941     -35.941      70.499     -63.311
    22  43.638     -43.638      63.311     -54.583
    23  51.589     -51.589      54.583     -44.266
    24  59.797     -59.797      44.266     -32.306
    25  68.263     -68.263      32.306     -18.654
    26  76.991     -76.991      18.654     -3.2556
    27  85.981     -85.981      3.2556      13.941
    28  76.915     -76.915     -13.941      29.324
    29  65.285     -65.285     -29.324      42.381
    30  51.094     -51.094     -42.381      52.599
    31  34.343     -34.343     -52.599      59.468
    32  16.118     -16.118     -59.468      62.692
    33 0.85019    -0.85019     -62.692      62.862
    34 -11.923      11.923     -62.862      60.477
    35 -22.671      22.671     -60.477      55.943
    36 -31.847      31.847     -55.943      49.573
    37 -39.870      39.870     -49.573      41.599
    38 -42.455      42.455     -41.599      33.109
    39 -40.506      40.506     -33.109      25.007
    40 -35.829      35.829     -25.007      17.841
    41 -29.793      29.793     -17.841      11.883
    42 -23.376      23.376     -11.883      7.2077
    43 -17.236      17.236     -7.2077      3.7604
    44 -11.773      11.773     -3.7604      1.4058
    45 -7.1975      7.1975     -1.4058    -3.37039E-02
    46 -3.5910      3.5910     3.37039E-02-0.75190
    47-0.95463     0.95463     0.75190    -0.94283
    48 0.75107    -0.75107     0.94283    -0.79261
    49  1.5833     -1.5833     0.79261    -0.47594
    50  1.5877     -1.5877     0.47594    -0.15840
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    51 0.79200     -0.79200      0.15840      1.08746E-13


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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                    |
|                                   Exe Time :29 July 2019      19:21:30                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
1468.1 - GA27 - Cepav2


S T R E S S    R E S U L T S    F O R    G R O U P    N O.    4

Tieback_78031                    :
ELEMENT TYPE    6 NO.OF ELEMENTS. IN THIS GROUP    1
C U R R E N T    T I M E    I S      3.0000

 POST-TENSION 2D-BOUNDARY ELEMENT

         EL     FORCE          d0          EDISPL     pl. eps          K     -ve limit   +ve limit
-----------------------------------------------------------------------------------------------------
ANCHOR    1   129.71       0.0000       2.01924E-03   0.0000       64239.       0.0000       0.0000     ELASTIC  ORIGINAL YOUNG MODULUS



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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  1468.1-GA27-Cepav2.BaseDesignSection_28.A2M2R1_3514                                    |
|                                   Exe Time :29 July 2019      19:21:30                                                  |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                    NO. OF ITERATIONS

        1           CONVERGENCE :YES                        2
        2           CONVERGENCE :YES                        2
        3           CONVERGENCE :YES                        7


 END OF PROCESS FOR PROBLEM
1468.1 - GA27 - Cepav2
NONLINEAR SOLUTION CPU TIME ....     0.03 [sec]
DATABASE  CREATION CPU TIME.....     0.14 [sec]
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