anas

Direzione Progettazione e Realizzazione Lavori

Collegamento tra l'A4 (Torino–Milano) in località Santhià, Biella, Gattinara e l'A26 (Genova Voltri–Gravellona) in località Ghemme. Lotto 1

PROGETTO DEFINITIVO

COD.

PROGETTAZIONE: ANAS - DIREZIONE PROGETTAZIONE E REALIZZAZIONE LAVORI

I PROGETTISTI:
ing. Vincenzo Marzi
Ordine Ing. di Bari n.3594
ing. Achille Devitofranceschi
Ordine Ing. di Roma n.19116

IL GEOLOGO:
geol. Serena Majetta
Ordine Geol. del Lazio n.928

RESPONSABILE DEL SIA
arch. Giovanni Magarò
Ordine Arch. di Roma n.16183

IL COORDINATORE PER LA SICUREZZA IN FASE DI PROGETTAZIONE
geom. Fabio Quondam

VISTO: IL RESPONSABILE DEL PROCEDIMENTO :
ing. Nicolò Canepa

PROTOCOLLO	DATA

GEOTECNICA

PONTE FIUME SESIA E RELATIVE OPERE PROVVISIONALI - VI06

RELAZIONE GEOTECNICA E DI CALCOLO - TABELLE DI CALCOLO

CODICE PROGETTO	NOME FILE	REVISIONE	SCALA:
PROGETTO: DPT007 / LIV. PROG.: D / N. PROG.: 1701	DPT007_D_1701_T00_VI06_GET_RE02_A.PDF		
	CODICE ELAB.: T00VI06GETRE02	A	-

REV.	DESCRIZIONE	DATA	REDATTO	VERIFICATO	APPROVATO
C					
B					
A	Emissione	18/5/2018	Ing. A. Mangiola	Ing. E. Mittiga	Ing. A. Micheli

Indice

1. VERIFICHE DI STABILITÀ GLOBALE ARGINE PROVVISORIO SPONDA DX

Length(L) Units: meters
Time(t) Units: Seconds
Force(F) Units: kN
Pressure(p) Units: kPa
Strength Units: kPa
Unit Weight of Water: 9.807 kN/m³
View: 2D

Analysis Settings

Slope Stability

Kind: SLOPE/W
Method: Morgenstern-Price
Settings
Apply Phreatic Correction: No
Side Function
Interslice force function option: Half-Sine
PWP Conditions Source: Piezometric Line
Use Staged Rapid Drawdown: No
Slip Surface
Direction of movement: Left to Right
Use Passive Mode: No
Slip Surface Option: Entry and Exit
Critical slip surfaces saved: 1
Optimize Critical Slip Surface Location: No
Tension Crack
Tension Crack Option: (none)
FOS Distribution
FOS Calculation Option: Constant
Advanced
Number of Slices: 30
Optimization Tolerance: 0.01
Minimum Slip Surface Depth: 0.1 m
Optimization Maximum Iterations: 2000
Optimization Convergence Tolerance: 1e-007
Starting Optimization Points: 8
Ending Optimization Points: 16
Complete Passes per Insertion: 1
Driving Side Maximum Convex Angle: 5 °
Resisting Side Maximum Convex Angle: 1 °

Materials

Gradonatura
Model: Mohr-Coulomb
Unit Weight: 16 kN/m³
Cohesion: 0 kPa
Phi: 40 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Argilla
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 5 kPa
Phi: 28 °
Phi-B: 0 °
Sabbia
Model: Mohr-Coulomb
Unit Weight: 20 kN/m³
Cohesion: 0 kPa
Phi: 37 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1

Slip Surface Entry and Exit

Left Projection: Range
Left-Zone Left Coordinate: (4.7, 4.7) m
Left-Zone Right Coordinate: (6, 5.5) m

Left-Zone Increment: 4
Right Projection: Range
Right-Zone Left Coordinate: (10.972, 2.09) m
Right-Zone Right Coordinate: (13.52, 0) m
Right-Zone Increment: 4
Radius Increments: 4
Slip Surface Limits
Left Coordinate: (-6.5, 0) m
Right Coordinate: (19, 0) m
Piezometric Lines

Piezometric Line 1

Coordinates

	X (m)	Y (m)
	11.5	1.5
	19	1.5

Piezometric Line 2
Coordinates

	X (m)	Y (m)
	-6.5	0
	19	0

Regions

	Material	Points	Area (m²)
Region 1	Sabbia	8,9,10,5,2,1,7	102
Region 2	Argilla	2,1,4,3	31.7625
Region 3	Gradonatura	3,6,5,2	9.7625

Points

	X (m)	Y (m)
Point 1	0	0
Point 2	10.05	0
Point 3	7	5.5
Point 4	5.5	5.5
Point 5	13.1	0
Point 6	7.5	5.5
Point 7	-6.5	0
Point 8	-6.5	-4
Point 9	19	-4
Point 10	19	0

Critical Slip Surfaces

	Slip Surface	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	122	1.186	(19.42, 15.957)	17.013	(6, 5.5)	(12.8172, 0.277709)

Slices of Slip Surface: 122

	Slip Surface	X (m)	Y (m)	PWP (kPa)	Base Normal Stress (kPa)	Frictional Strength (kPa)	Cohesive Strength (kPa)
1	122	6.125	5.343429	0	-1.4769276	-0.78529631	5
2	122	6.375	5.037535	0	2.3351011	1.2415953	5
3	122	6.625	4.7455645	0	5.9538827	3.1657356	5
4	122	6.875	4.466454	0	9.4115549	5.0042125	5
5	122	7.125	4.199287	0	12.447244	6.6183169	5
6	122	7.375	3.943265	0	15.086018	8.0213778	5
7	122	7.609866	3.711989	0	16.360223	8.6988849	5
8	122	7.829598	3.503783	0	16.268578	8.6501563	5
9	122	8.04933	3.302819	0	16.10556	8.5634779	5
10	122	8.2690615	3.1087565	0	15.870643	8.4385704	5
11	122	8.490394	2.919967	0	15.758764	13.223173	0
12	122	8.713328	2.7362595	0	15.673335	13.15149	0
13	122	8.936262	2.5587805	0	15.526204	13.028032	0

14	122	9.1591955	2.387285	0	15.313094	12.849212	0
15	122	9.382129	2.221549	0	15.029283	12.611066	0
16	122	9.605063	2.061366	0	14.670709	12.310186	0
17	122	9.827997	1.9065465	0	14.232869	11.942795	0
18	122	10.050932	1.756915	0	13.711227	11.505086	0
19	122	10.273865	1.6123085	0	13.103076	10.994786	0
20	122	10.496795	1.472577	0	12.405003	10.409034	0
21	122	10.71973	1.3375805	0	11.615514	9.7465731	0
22	122	10.942665	1.207189	0	10.73438	9.0072143	0
23	122	11.1656	1.081281	0	9.7618758	8.1911864	0
24	122	11.388535	0.95974355	0	8.7003974	7.3005003	0
25	122	11.536365	0.8810399	6.0700939	9.1896424	2.617612	0
26	122	11.69718	0.7986253	6.8783438	9.5521416	2.2435827	0
27	122	11.94608	0.67436685	8.0968884	10.445397	1.9706331	0
28	122	12.194985	0.555133	9.2661736	11.144142	1.5758029	0
29	122	12.44389	0.4408079	10.387352	11.636165	1.0478783	0
30	122	12.69279	0.3312838	11.461457	11.914616	0.38024564	0

2. VERIFICHE DI STABILITÀ GLOBALE ARGINE PROVVISORIO SPONDA SX

Project Settings
Length(L) Units: meters
Time(t) Units: Seconds
Force(F) Units: kN
Pressure(p) Units: kPa
Strength Units: kPa
Unit Weight of Water: 9.807 kN/m³
View: 2D

Analysis Settings

Slope Stability
Kind: SLOPE/W
Method: Morgenstern-Price
Settings
Apply Phreatic Correction: No
Side Function
Interslice force function option: Half-Sine
PWP Conditions Source: Piezometric Line
Use Staged Rapid Drawdown: No
Slip Surface
Direction of movement: Right to Left
Use Passive Mode: No
Slip Surface Option: Entry and Exit
Critical slip surfaces saved: 1
Optimize Critical Slip Surface Location: No
Tension Crack
Tension Crack Option: (none)
FOS Distribution
FOS Calculation Option: Constant
Advanced
Number of Slices: 30
Optimization Tolerance: 0.01
Minimum Slip Surface Depth: 0.1 m
Optimization Maximum Iterations: 2000
Optimization Convergence Tolerance: 1e-007
Starting Optimization Points: 8
Ending Optimization Points: 16
Complete Passes per Insertion: 1
Driving Side Maximum Convex Angle: 5 °
Resisting Side Maximum Convex Angle: 1 °

Materials
Gradonatura
Model: Mohr-Coulomb
Unit Weight: 16 kN/m³
Cohesion: 0 kPa
Phi: 40 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Argilla
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 5 kPa
Phi: 28 °
Phi-B: 0 °
Sabbia
Model: Mohr-Coulomb
Unit Weight: 20 kN/m³
Cohesion: 0 kPa
Phi: 37 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Slip Surface Entry and Exit
Left Projection: Range
Left-Zone Left Coordinate: (-2.31, 0) m

Left-Zone Right Coordinate: (1.29, 1.29) m
Left-Zone Increment: 4
Right Projection: Range
Right-Zone Left Coordinate: (6.11, 5.5) m
Right-Zone Right Coordinate: (8.182182, 4.83) m
Right-Zone Increment: 4
Radius Increments: 4
Slip Surface Limits
Left Coordinate: (-6.5, 0) m
Right Coordinate: (19, 0) m

Piezometric Lines

Piezometric Line 1

Coordinates

	X (m)	Y (m)
	8.5	4.5
	19	4.5

Piezometric Line 2

Coordinates

	X (m)	Y (m)
	-6.5	0
	19	0

Regions

	Material	Points	Area (m²)
Region 1	Sabbia	8,9,10,5,2,1,7	102
Region 2	Argilla	2,1,4,3	31.7625
Region 3	Gradonatura	3,6,5,2	9.7625

Points

	X (m)	Y (m)
Point 1	0	0
Point 2	10.05	0
Point 3	7	5.5
Point 4	5.5	5.5
Point 5	13.1	0
Point 6	7.5	5.5
Point 7	-6.5	0
Point 8	-6.5	-4
Point 9	19	-4
Point 10	19	0

Critical Slip Surfaces

	Slip Surface	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	58	1.149	(-2.129, 9.508)	9.693	(6.69654, 5.5)	(0.0666856, 0.0666856)

Slices of Slip Surface: 58

	Slip Surface	X (m)	Y (m)	PWP (kPa)	Base Normal Stress (kPa)	Frictional Strength (kPa)	Cohesive Strength (kPa)
1	58	0.17535189	0.09328729	0	0.67530726	0.35906724	5
2	58	0.39268445	0.14917305	0	3.8336031	2.0383629	5
3	58	0.610017	0.2104743	0	6.9016259	3.6696596	5
4	58	0.8273496	0.277299	0	9.8137766	5.2180776	5
5	58	1.044682	0.3497682	0	12.508733	6.6510114	5
6	58	1.2620145	0.4280171	0	14.933794	7.9404394	5
7	58	1.4793475	0.5121966	0	17.048878	9.0650493	5
8	58	1.69668	0.60247505	0	18.829262	10.011696	5
9	58	1.9140125	0.6990401	0	20.26688	10.776091	5
10	58	2.131345	0.8021011	0	21.367184	11.361133	5
11	58	2.3486775	0.91189195	0	22.150184	11.777462	5
12	58	2.5660105	1.0286744	0	22.643903	12.039977	5

13	58	2.783343	1.1527415	0	22.882215	12.16669	5
14	58	3.0006755	1.284424	0	22.902274	12.177355	5
15	58	3.218008	1.424094	0	22.740556	12.091368	5
16	58	3.4353405	1.5721735	0	22.431443	11.92701	5
17	58	3.652673	1.7291445	0	22.006298	11.700956	5
18	58	3.8700055	1.895557	0	21.491527	11.427248	5
19	58	4.0873385	2.072046	0	20.90934	11.117693	5
20	58	4.304671	2.2593495	0	20.27782	10.781908	5
21	58	4.5220035	2.4583315	0	19.608184	10.425857	5
22	58	4.739336	2.6700135	0	18.907223	10.053149	5
23	58	4.9566685	2.8956185	0	18.174649	9.6636325	5
24	58	5.174001	3.1366315	0	17.401981	9.2527972	5
25	58	5.3913335	3.394882	0	16.572044	8.8115122	5
26	58	5.6196545	3.6878805	0	14.465127	7.6912445	5
27	58	5.8589635	4.021405	0	11.022376	5.8607014	5
28	58	6.098272	4.3878955	0	7.269039	3.8650166	5
29	58	6.3375805	4.7951395	0	3.02104	1.6063154	5
30	58	6.5768895	5.2550535	0	-1.991125	-1.0587	5

3. VERIFICHE DI STABILITÀ GLOBALE FRONTE DI SBANCAMENTO CON PALANCOLE

Project Settings
Length(L) Units: meters
Time(t) Units: Seconds
Force(F) Units: kN
Pressure(p) Units: kPa
Strength Units: kPa
Unit Weight of Water: 9.807 kN/m³
View: 2D
Analysis Settings

Slope Stability
Kind: SLOPE/W
Method: Morgenstern-Price
Settings
Apply Phreatic Correction: No
Side Function
Interslice force function option: Half-Sine
PWP Conditions Source: Piezometric Line
Use Staged Rapid Drawdown: No
Slip Surface
Direction of movement: Right to Left
Use Passive Mode: No
Slip Surface Option: Entry and Exit
Critical slip surfaces saved: 1
Optimize Critical Slip Surface Location: No
Tension Crack
Tension Crack Option: (none)
FOS Distribution
FOS Calculation Option: Constant
Advanced
Number of Slices: 30
Optimization Tolerance: 0.01
Minimum Slip Surface Depth: 0.1 m
Optimization Maximum Iterations: 2000
Optimization Convergence Tolerance: 1e-007
Starting Optimization Points: 8
Ending Optimization Points: 16
Complete Passes per Insertion: 1
Driving Side Maximum Convex Angle: 5 °
Resisting Side Maximum Convex Angle: 1 °

Materials
Gradonatura
Model: Mohr-Coulomb
Unit Weight: 16 kN/m³
Cohesion: 0 kPa
Phi: 40 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Argilla
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 5 kPa
Phi: 28 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Ug5
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 0 kPa
Phi: 31.08 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1

palancola
Model: Undrained (Phi=0)
Unit Weight: 75 kN/m³
Cohesion: 2.5e+005 kPa
Pore Water Pressure
Piezometric Line: 1
Ug1
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 4 kPa
Phi: 21 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Ug3
Model: Mohr-Coulomb
Unit Weight: 18 kN/m³
Cohesion: 0 kPa
Phi: 27 °
Phi-B: 0 °
Pore Water Pressure
Piezometric Line: 1
Slip Surface Entry and Exit
Left Projection: Range
Left-Zone Left Coordinate: (-20.32, -8.8) m
Left-Zone Right Coordinate: (-12.09, -8.8) m
Left-Zone Increment: 4
Right Projection: Range
Right-Zone Left Coordinate: (5.79, 5.5) m
Right-Zone Right Coordinate: (14.86, 0) m
Right-Zone Increment: 4
Radius Increments: 4
Slip Surface Limits
Left Coordinate: (-21, -8.8) m
Right Coordinate: (19, 0) m
Piezometric Lines
Piezometric Line 1

Coordinates

	X (m)	Y (m)
	8.5	4.5
	19	4.5

Piezometric Line 2

Coordinates

	X (m)	Y (m)
	-5	0
	19	0

Piezometric Line 3

Coordinates

	X (m)	Y (m)
	-21	-8.8
	-12	-8.8

Regions

	Material	Points	Area (m²)
Region 1	GC	21,20,19,18,15,23,12,14,8,13	81.8
Region 2	palancola	11,7,16,22,14,12,23,15	6
Region 3	GC	7,1,2,5,10,9,8,14,22,16	290.4
Region 4	Argilla	1,4,3,2	31.7625
Region 5	Gradonatura	3,6,5,2	9.7625
Region 6	Fm	24,25,9,8,13,21	236
Region 7	Alt	27,26,24,25	240

Points

	X (m)	Y (m)

Point 1	0	0
Point 2	10.05	0
Point 3	7	5.5
Point 4	5.5	5.5
Point 5	13.1	0
Point 6	7.5	5.5
Point 7	-5	0
Point 8	-5	-12.1
Point 9	19	-12.1
Point 10	19	0
Point 11	-5.5	0
Point 12	-5.5	-12
Point 13	-5.5	-12.1
Point 14	-5	-12
Point 15	-5.5	-2
Point 16	-5	-2
Point 17	-5.5	-8.8
Point 18	-8	-2
Point 19	-12	-8.8
Point 20	-21	-8.8
Point 21	-21	-12.1
Point 22	-5	-8.8
Point 23	-5.5	-9.11
Point 24	-21	-18
Point 25	19	-18
Point 26	-21	-24
Point 27	19	-24

Critical Slip Surfaces

	Slip Surface	FOS	Center (m)	Radius (m)	Entry (m)	Exit (m)
1	19	1.565	(-7.088, 6.564)	20.277	(12.3368, 0.749618)	(-20.32, -8.8)

Slices of Slip Surface: 19

	Slip Surface	X (m)	Y (m)	PWP (kPa)	Base Normal Stress (kPa)	Frictional Strength (kPa)	Cohesive Strength (kPa)
1	19	-19.789195	-9.226929	0	12.11627	7.303234	0
2	19	-18.727585	-10.026254	0	36.198743	21.819247	0
3	19	-17.665975	-10.72343	0	59.217478	35.694079	0
4	19	-16.604365	-11.33048	0	80.50014	48.522472	0
5	19	-15.54276	-11.856375	0	99.29928	59.85389	0
6	19	-14.509965	-12.297525	0	102.5015	39.346641	4
7	19	-13.50598	-12.66261	0	112.15573	43.052552	4
8	19	-12.501995	-12.969295	0	118.90593	45.643709	4
9	19	-11.5	-13.21992	0	142.4316	54.674367	4
10	19	-10.5	-13.416795	0	181.65097	69.729273	4
11	19	-9.5	-13.562085	0	216.40186	83.068892	4
12	19	-8.5	-13.656905	0	246.51997	94.630151	4
13	19	-7.375	-13.700655	0	253.15868	97.178514	4
14	19	-6.125	-13.679765	0	237.93085	91.333097	4
15	19	-5.25	-13.62727	0	983.01464	377.34397	4
16	19	-4.5	-13.54014	0	252.4168	96.893733	4
17	19	-3.5	-13.38584	0	236.18025	90.661104	4
18	19	-2.5	-13.179715	0	219.83213	84.38565	4
19	19	-1.5	-12.920115	0	203.64966	78.17378	4
20	19	-0.5	-12.604865	0	187.81687	72.096142	4
21	19	0.4177401	-12.26651	0	180.20775	69.175272	4

22	19	1.4185451	-11.830355	0	178.63592	107.67505	0
23	19	2.584675	-11.24401	0	175.70551	105.90871	0
24	19	3.750805	-10.55821	0	172.33009	103.87413	0
25	19	4.916935	-9.760322	0	168.55796	101.60043	0
26	19	6.25	-8.6750975	0	154.1338	92.906084	0
27	19	7.25	-7.768567	0	137.81038	83.06694	0
28	19	8	-6.9606805	0	118.59087	71.48214	0
29	19	9.275	-5.3373615	96.473565	114.31711	10.755424	0
30	19	10.561605	-3.3621735	77.103802	86.958563	5.940081	0
31	19	11.58481	-1.226256	56.156436	60.303349	2.4996043	0
32	19	12.21658	0.37480905	40.455815	40.95251	0.41677602	0

4. VERIFICHE PARATIA ARGINE VI06

PARATIE plus 2017

Report di Calcolo

Nome Progetto: New Project

Autore: Ingegnere

Jobname: Z:\01 COM\2017-010-ANAS-Pedemontana Piemontese\02-Bozze e varie\04_Sottofondazioni\Paratie provvisionali\paratia argine pali.pplus

Data: 24/05/2018 18:26:20

Design Section: Base Design Section

Descrizione del Software

ParatiePlus è un codice agli elementi finiti che simula il problema di uno scavo sostenuto da diaframmi flessibili e permette di valutare il comportamento della parete di sostegno durante tutte le fasi intermedie e nella configurazione finale.

Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : HORIZONTAL
Quota : 0 m
OCR : 1

Tipo : HORIZONTAL
Quota : -12 m
OCR : 1

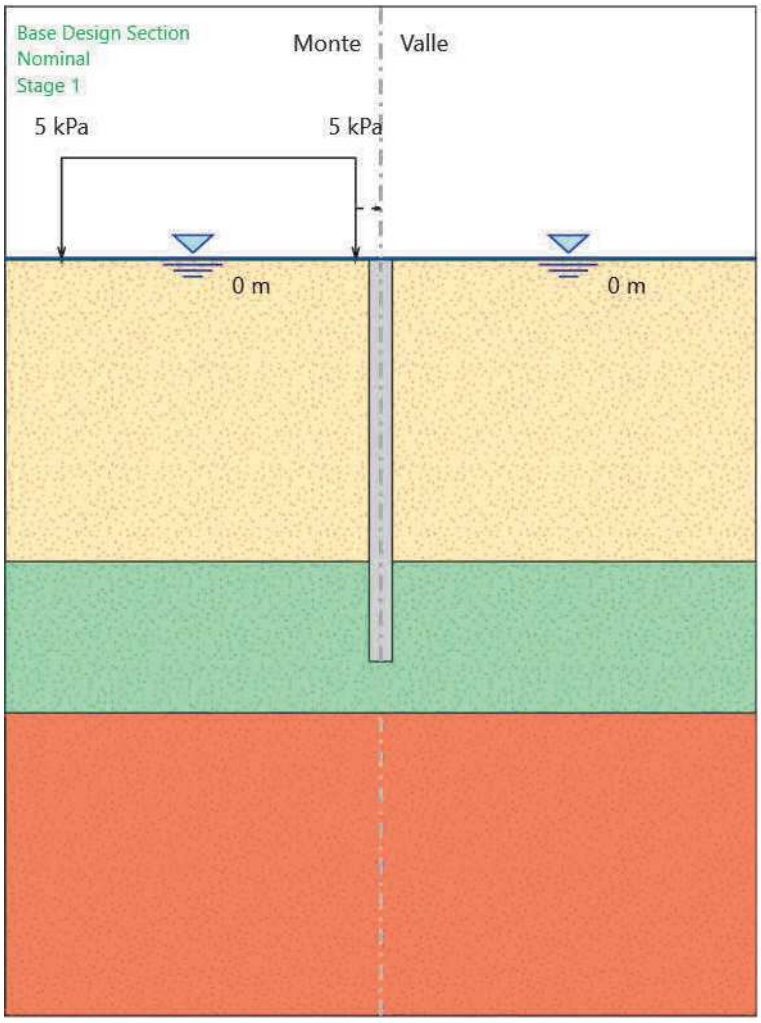
Tipo : HORIZONTAL
Quota : -18 m
OCR : 1

Descrizione Pareti

X : 0 m
Quota in alto : 0 m
Quota di fondo : -16 m
Muro di sinistra

Fasi di Calcolo

Stage 1



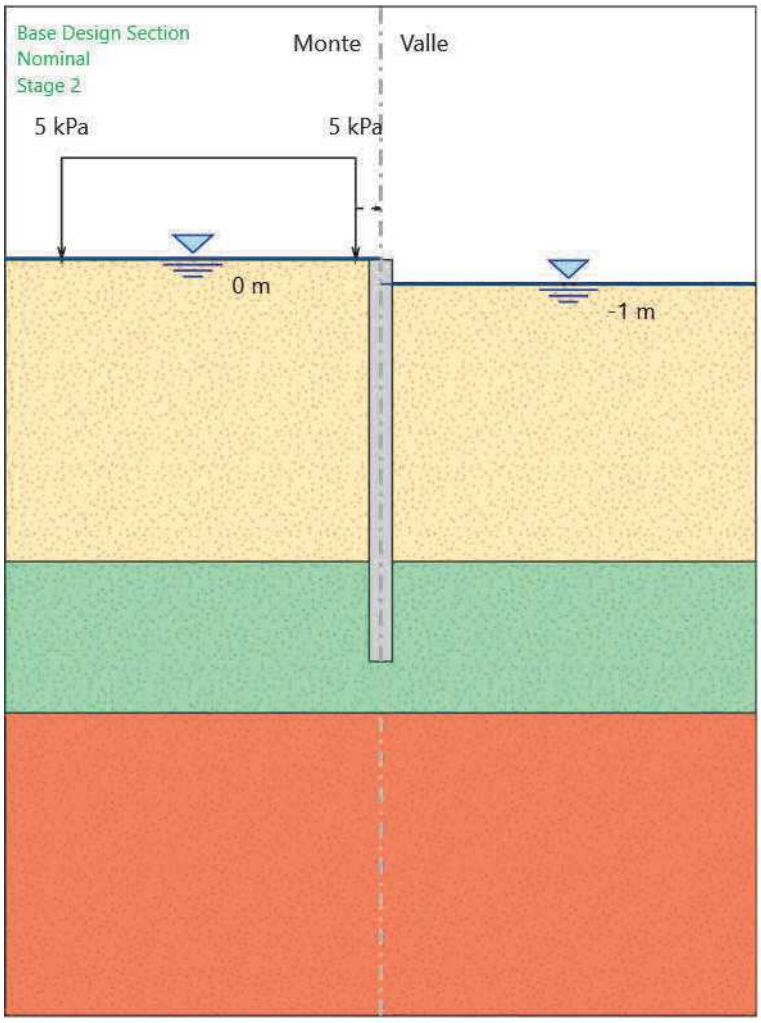
Stage 1

Elementi strutturali

Paratia : WallElement

X : 0 m
Quota in alto : 0 m
Quota di fondo : -16 m
Sezione : Default Section

Stage 2



Stage 2

Elementi strutturali

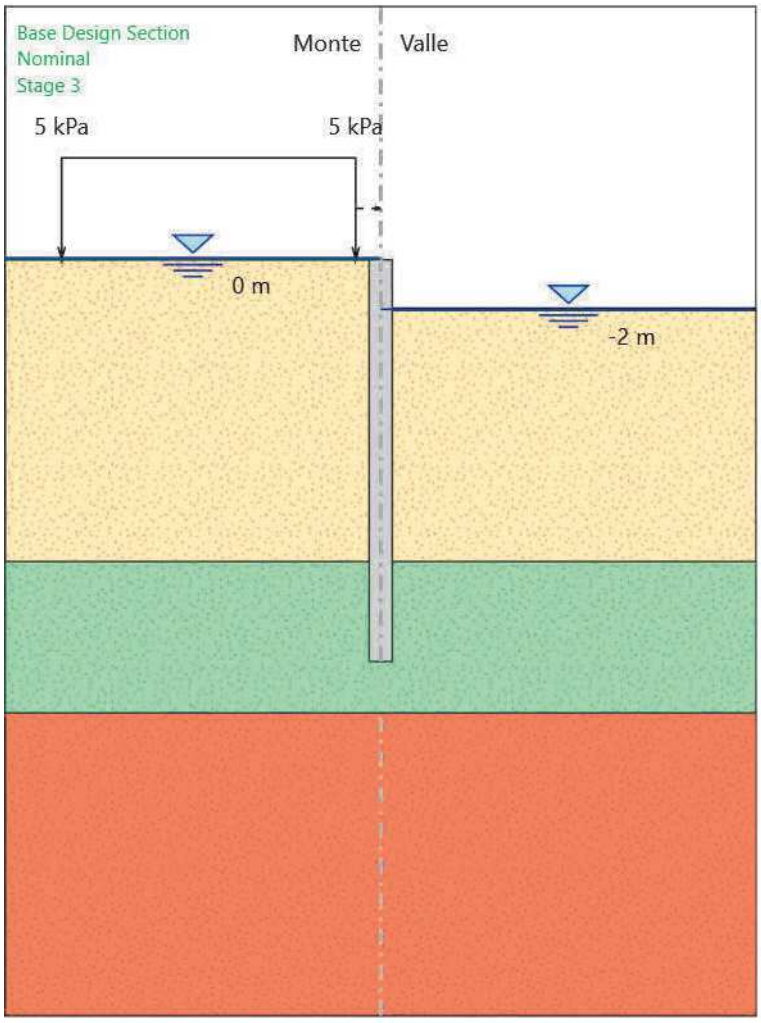
Paratia : WallElement

X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m
Sezione : Default Section

Stage 3



Stage 3

Elementi strutturali

Paratia : WallElement

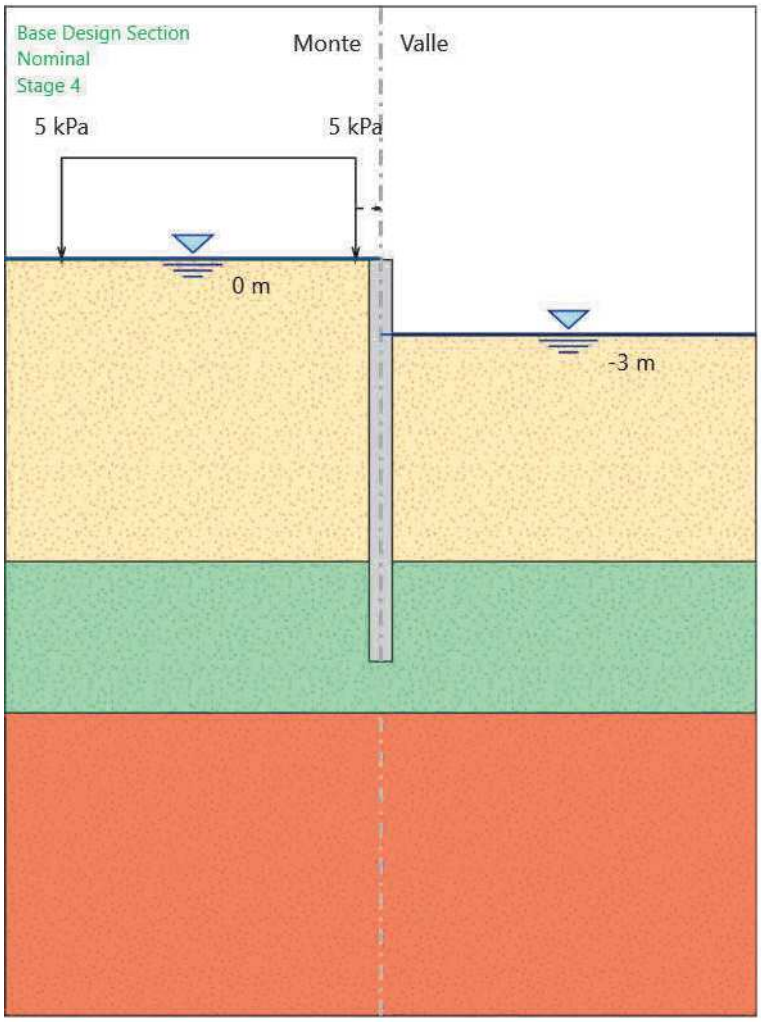
X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m

Sezione : Default Section

Stage 4



Stage 4

Elementi strutturali

Paratia : WallElement

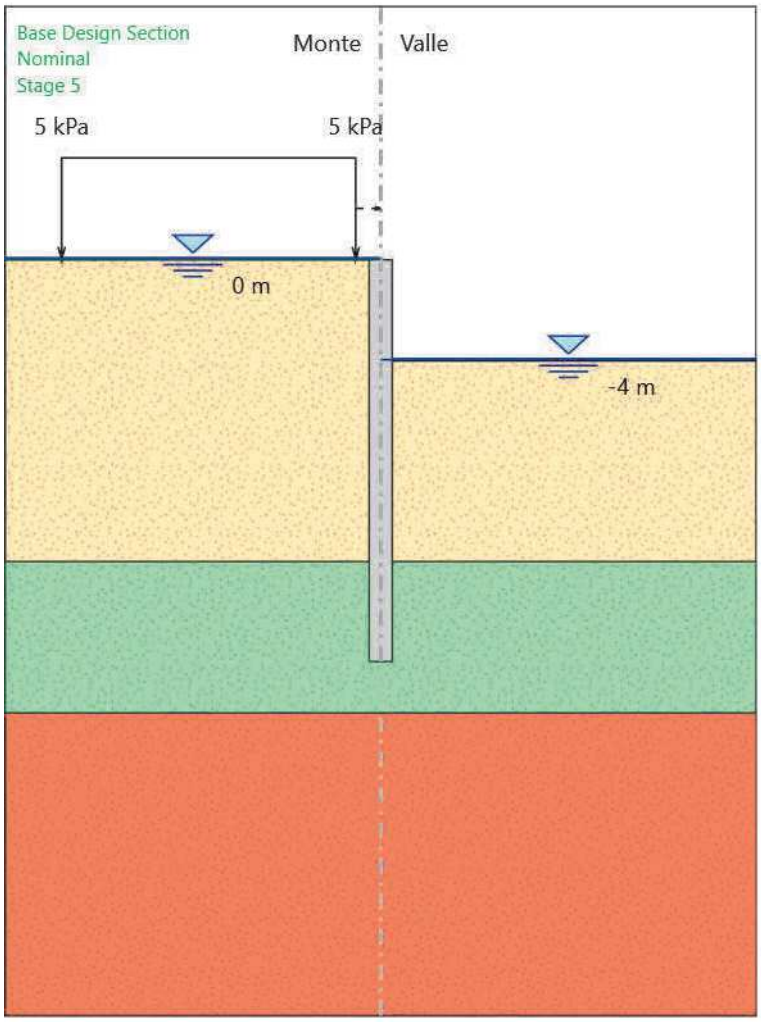
X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m

Sezione : Default Section

Stage 5



Stage 5

Elementi strutturali

Paratia : WallElement

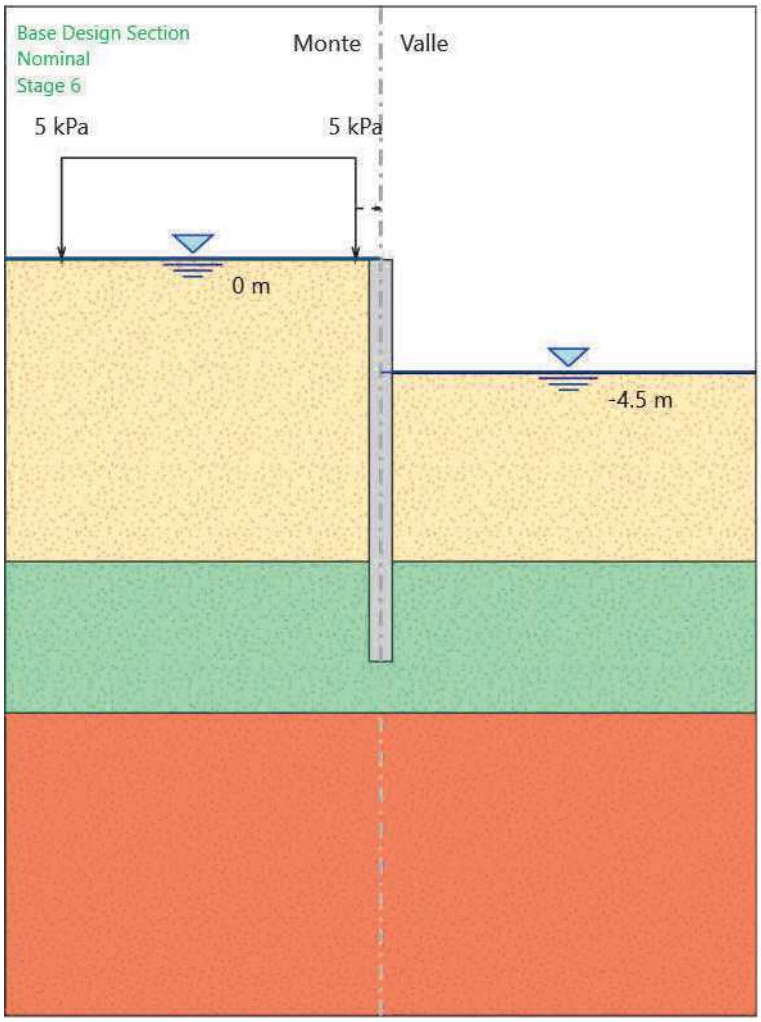
X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m

Sezione : Default Section

Stage 6



Stage 6

Elementi strutturali

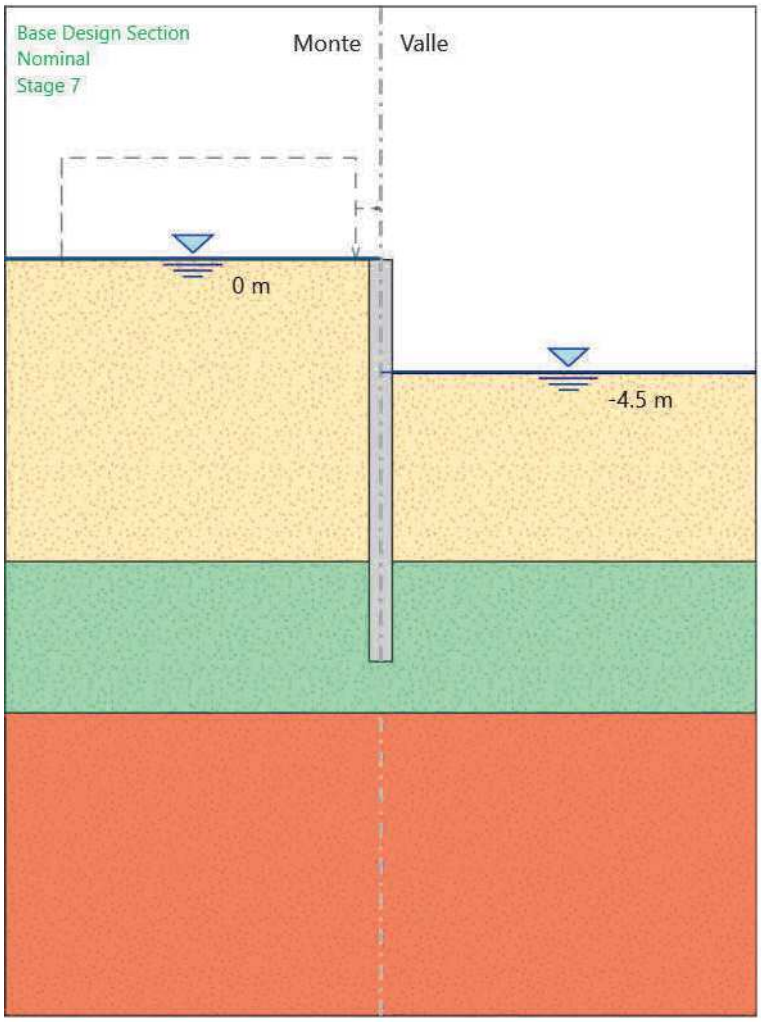
Paratia : WallElement

X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m
Sezione : Default Section

Stage 7



Stage 7

Elementi strutturali

Paratia : WallElement

X : 0 m

Quota in alto : 0 m

Quota di fondo : -16 m

Sezione : Default Section

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.4	0
Stage 1	-0.6	0
Stage 1	-0.8	0
Stage 1	-1	0
Stage 1	-1.2	0
Stage 1	-1.4	0
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0
Stage 1	-9.2	0
Stage 1	-9.4	0
Stage 1	-9.6	0
Stage 1	-9.8	0
Stage 1	-10	0
Stage 1	-10.2	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	-10.4	0
Stage 1	-10.6	0
Stage 1	-10.8	0
Stage 1	-11	0
Stage 1	-11.2	0
Stage 1	-11.4	0
Stage 1	-11.6	0
Stage 1	-11.8	0
Stage 1	-12	0
Stage 1	-12.2	0
Stage 1	-12.4	0
Stage 1	-12.6	0
Stage 1	-12.8	0
Stage 1	-13	0
Stage 1	-13.2	0
Stage 1	-13.4	0
Stage 1	-13.6	0
Stage 1	-13.8	0
Stage 1	-14	0
Stage 1	-14.2	0
Stage 1	-14.4	0
Stage 1	-14.6	0
Stage 1	-14.8	0
Stage 1	-15	0
Stage 1	-15.2	0
Stage 1	-15.4	0
Stage 1	-15.6	0
Stage 1	-15.8	0
Stage 1	-16	0

Tabella Spostamento Nominal - LEFT Stage: Stage 2

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	0	0.34
Stage 2	-0.2	0.32
Stage 2	-0.4	0.31
Stage 2	-0.6	0.3
Stage 2	-0.8	0.28
Stage 2	-1	0.27
Stage 2	-1.2	0.26
Stage 2	-1.4	0.25
Stage 2	-1.6	0.23
Stage 2	-1.8	0.22
Stage 2	-2	0.21
Stage 2	-2.2	0.2
Stage 2	-2.4	0.18
Stage 2	-2.6	0.17
Stage 2	-2.8	0.16
Stage 2	-3	0.15
Stage 2	-3.2	0.14
Stage 2	-3.4	0.13
Stage 2	-3.6	0.12
Stage 2	-3.8	0.11
Stage 2	-4	0.11
Stage 2	-4.2	0.1
Stage 2	-4.4	0.09
Stage 2	-4.6	0.09
Stage 2	-4.8	0.08
Stage 2	-5	0.07
Stage 2	-5.2	0.07
Stage 2	-5.4	0.06
Stage 2	-5.6	0.06
Stage 2	-5.8	0.06
Stage 2	-6	0.05
Stage 2	-6.2	0.05
Stage 2	-6.4	0.05
Stage 2	-6.6	0.05
Stage 2	-6.8	0.04
Stage 2	-7	0.04
Stage 2	-7.2	0.04
Stage 2	-7.4	0.04
Stage 2	-7.6	0.04
Stage 2	-7.8	0.04
Stage 2	-8	0.04
Stage 2	-8.2	0.04
Stage 2	-8.4	0.04
Stage 2	-8.6	0.04
Stage 2	-8.8	0.04
Stage 2	-9	0.04
Stage 2	-9.2	0.04
Stage 2	-9.4	0.04
Stage 2	-9.6	0.04
Stage 2	-9.8	0.04
Stage 2	-10	0.04
Stage 2	-10.2	0.04
Stage 2	-10.4	0.04
Stage 2	-10.6	0.04
Stage 2	-10.8	0.04
Stage 2	-11	0.04
Stage 2	-11.2	0.04
Stage 2	-11.4	0.04

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	-11.6	0.05
Stage 2	-11.8	0.05
Stage 2	-12	0.05
Stage 2	-12.2	0.05
Stage 2	-12.4	0.05
Stage 2	-12.6	0.05
Stage 2	-12.8	0.05
Stage 2	-13	0.05
Stage 2	-13.2	0.05
Stage 2	-13.4	0.05
Stage 2	-13.6	0.05
Stage 2	-13.8	0.05
Stage 2	-14	0.06
Stage 2	-14.2	0.06
Stage 2	-14.4	0.06
Stage 2	-14.6	0.06
Stage 2	-14.8	0.06
Stage 2	-15	0.06
Stage 2	-15.2	0.06
Stage 2	-15.4	0.06
Stage 2	-15.6	0.06
Stage 2	-15.8	0.06
Stage 2	-16	0.06

Tabella Spostamento Nominal - LEFT Stage: Stage 3

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	0	2.13
Stage 3	-0.2	2.06
Stage 3	-0.4	1.99
Stage 3	-0.6	1.92
Stage 3	-0.8	1.86
Stage 3	-1	1.79
Stage 3	-1.2	1.72
Stage 3	-1.4	1.65
Stage 3	-1.6	1.59
Stage 3	-1.8	1.52
Stage 3	-2	1.45
Stage 3	-2.2	1.39
Stage 3	-2.4	1.32
Stage 3	-2.6	1.26
Stage 3	-2.8	1.19
Stage 3	-3	1.13
Stage 3	-3.2	1.07
Stage 3	-3.4	1.01
Stage 3	-3.6	0.95
Stage 3	-3.8	0.89
Stage 3	-4	0.84
Stage 3	-4.2	0.78
Stage 3	-4.4	0.73
Stage 3	-4.6	0.68
Stage 3	-4.8	0.63
Stage 3	-5	0.59
Stage 3	-5.2	0.54
Stage 3	-5.4	0.5
Stage 3	-5.6	0.46
Stage 3	-5.8	0.43
Stage 3	-6	0.39
Stage 3	-6.2	0.36
Stage 3	-6.4	0.33
Stage 3	-6.6	0.3
Stage 3	-6.8	0.27
Stage 3	-7	0.24
Stage 3	-7.2	0.22
Stage 3	-7.4	0.2
Stage 3	-7.6	0.18
Stage 3	-7.8	0.17
Stage 3	-8	0.15
Stage 3	-8.2	0.14
Stage 3	-8.4	0.12
Stage 3	-8.6	0.11
Stage 3	-8.8	0.1
Stage 3	-9	0.1
Stage 3	-9.2	0.09
Stage 3	-9.4	0.09
Stage 3	-9.6	0.08
Stage 3	-9.8	0.08
Stage 3	-10	0.08
Stage 3	-10.2	0.07
Stage 3	-10.4	0.07
Stage 3	-10.6	0.07
Stage 3	-10.8	0.07
Stage 3	-11	0.07
Stage 3	-11.2	0.08
Stage 3	-11.4	0.08

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	-11.6	0.08
Stage 3	-11.8	0.08
Stage 3	-12	0.08
Stage 3	-12.2	0.09
Stage 3	-12.4	0.09
Stage 3	-12.6	0.09
Stage 3	-12.8	0.1
Stage 3	-13	0.1
Stage 3	-13.2	0.1
Stage 3	-13.4	0.11
Stage 3	-13.6	0.11
Stage 3	-13.8	0.11
Stage 3	-14	0.12
Stage 3	-14.2	0.12
Stage 3	-14.4	0.12
Stage 3	-14.6	0.12
Stage 3	-14.8	0.13
Stage 3	-15	0.13
Stage 3	-15.2	0.13
Stage 3	-15.4	0.14
Stage 3	-15.6	0.14
Stage 3	-15.8	0.14
Stage 3	-16	0.14

Tabella Spostamento Nominal - LEFT Stage: Stage 4

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	0	7.35
Stage 4	-0.2	7.15
Stage 4	-0.4	6.96
Stage 4	-0.6	6.76
Stage 4	-0.8	6.57
Stage 4	-1	6.37
Stage 4	-1.2	6.18
Stage 4	-1.4	5.98
Stage 4	-1.6	5.79
Stage 4	-1.8	5.59
Stage 4	-2	5.4
Stage 4	-2.2	5.2
Stage 4	-2.4	5.01
Stage 4	-2.6	4.82
Stage 4	-2.8	4.62
Stage 4	-3	4.43
Stage 4	-3.2	4.25
Stage 4	-3.4	4.06
Stage 4	-3.6	3.87
Stage 4	-3.8	3.69
Stage 4	-4	3.51
Stage 4	-4.2	3.34
Stage 4	-4.4	3.16
Stage 4	-4.6	2.99
Stage 4	-4.8	2.83
Stage 4	-5	2.67
Stage 4	-5.2	2.51
Stage 4	-5.4	2.36
Stage 4	-5.6	2.22
Stage 4	-5.8	2.08
Stage 4	-6	1.94
Stage 4	-6.2	1.81
Stage 4	-6.4	1.69
Stage 4	-6.6	1.57
Stage 4	-6.8	1.45
Stage 4	-7	1.34
Stage 4	-7.2	1.24
Stage 4	-7.4	1.14
Stage 4	-7.6	1.05
Stage 4	-7.8	0.96
Stage 4	-8	0.87
Stage 4	-8.2	0.8
Stage 4	-8.4	0.72
Stage 4	-8.6	0.66
Stage 4	-8.8	0.59
Stage 4	-9	0.54
Stage 4	-9.2	0.48
Stage 4	-9.4	0.43
Stage 4	-9.6	0.39
Stage 4	-9.8	0.35
Stage 4	-10	0.31
Stage 4	-10.2	0.28
Stage 4	-10.4	0.25
Stage 4	-10.6	0.23
Stage 4	-10.8	0.21
Stage 4	-11	0.19
Stage 4	-11.2	0.17
Stage 4	-11.4	0.16

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	-11.6	0.15
Stage 4	-11.8	0.14
Stage 4	-12	0.13
Stage 4	-12.2	0.12
Stage 4	-12.4	0.12
Stage 4	-12.6	0.12
Stage 4	-12.8	0.12
Stage 4	-13	0.12
Stage 4	-13.2	0.12
Stage 4	-13.4	0.12
Stage 4	-13.6	0.12
Stage 4	-13.8	0.12
Stage 4	-14	0.12
Stage 4	-14.2	0.13
Stage 4	-14.4	0.13
Stage 4	-14.6	0.13
Stage 4	-14.8	0.14
Stage 4	-15	0.14
Stage 4	-15.2	0.15
Stage 4	-15.4	0.15
Stage 4	-15.6	0.15
Stage 4	-15.8	0.16
Stage 4	-16	0.16

Tabella Spostamento Nominal - LEFT Stage: Stage 5

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 5	0	19.47
Stage 5	-0.2	19.03
Stage 5	-0.4	18.59
Stage 5	-0.6	18.15
Stage 5	-0.8	17.71
Stage 5	-1	17.27
Stage 5	-1.2	16.83
Stage 5	-1.4	16.38
Stage 5	-1.6	15.94
Stage 5	-1.8	15.5
Stage 5	-2	15.06
Stage 5	-2.2	14.62
Stage 5	-2.4	14.18
Stage 5	-2.6	13.74
Stage 5	-2.8	13.31
Stage 5	-3	12.87
Stage 5	-3.2	12.44
Stage 5	-3.4	12
Stage 5	-3.6	11.57
Stage 5	-3.8	11.14
Stage 5	-4	10.72
Stage 5	-4.2	10.3
Stage 5	-4.4	9.88
Stage 5	-4.6	9.46
Stage 5	-4.8	9.06
Stage 5	-5	8.66
Stage 5	-5.2	8.26
Stage 5	-5.4	7.87
Stage 5	-5.6	7.49
Stage 5	-5.8	7.12
Stage 5	-6	6.75
Stage 5	-6.2	6.4
Stage 5	-6.4	6.06
Stage 5	-6.6	5.72
Stage 5	-6.8	5.4
Stage 5	-7	5.08
Stage 5	-7.2	4.78
Stage 5	-7.4	4.49
Stage 5	-7.6	4.21
Stage 5	-7.8	3.93
Stage 5	-8	3.67
Stage 5	-8.2	3.42
Stage 5	-8.4	3.19
Stage 5	-8.6	2.96
Stage 5	-8.8	2.74
Stage 5	-9	2.54
Stage 5	-9.2	2.34
Stage 5	-9.4	2.15
Stage 5	-9.6	1.98
Stage 5	-9.8	1.81
Stage 5	-10	1.65
Stage 5	-10.2	1.51
Stage 5	-10.4	1.37
Stage 5	-10.6	1.24
Stage 5	-10.8	1.12
Stage 5	-11	1
Stage 5	-11.2	0.9
Stage 5	-11.4	0.8

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 5	-11.6	0.7
Stage 5	-11.8	0.62
Stage 5	-12	0.54
Stage 5	-12.2	0.46
Stage 5	-12.4	0.39
Stage 5	-12.6	0.33
Stage 5	-12.8	0.27
Stage 5	-13	0.21
Stage 5	-13.2	0.16
Stage 5	-13.4	0.11
Stage 5	-13.6	0.06
Stage 5	-13.8	0.01
Stage 5	-14	-0.03
Stage 5	-14.2	-0.07
Stage 5	-14.4	-0.12
Stage 5	-14.6	-0.16
Stage 5	-14.8	-0.2
Stage 5	-15	-0.24
Stage 5	-15.2	-0.27
Stage 5	-15.4	-0.31
Stage 5	-15.6	-0.35
Stage 5	-15.8	-0.39
Stage 5	-16	-0.43

Tabella Spostamento Nominal - LEFT Stage: Stage 6

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 6	0	30.08
Stage 6	-0.2	29.44
Stage 6	-0.4	28.81
Stage 6	-0.6	28.18
Stage 6	-0.8	27.54
Stage 6	-1	26.91
Stage 6	-1.2	26.28
Stage 6	-1.4	25.65
Stage 6	-1.6	25.01
Stage 6	-1.8	24.38
Stage 6	-2	23.75
Stage 6	-2.2	23.12
Stage 6	-2.4	22.49
Stage 6	-2.6	21.86
Stage 6	-2.8	21.23
Stage 6	-3	20.6
Stage 6	-3.2	19.97
Stage 6	-3.4	19.35
Stage 6	-3.6	18.72
Stage 6	-3.8	18.1
Stage 6	-4	17.49
Stage 6	-4.2	16.87
Stage 6	-4.4	16.26
Stage 6	-4.6	15.66
Stage 6	-4.8	15.06
Stage 6	-5	14.46
Stage 6	-5.2	13.88
Stage 6	-5.4	13.3
Stage 6	-5.6	12.72
Stage 6	-5.8	12.16
Stage 6	-6	11.61
Stage 6	-6.2	11.07
Stage 6	-6.4	10.54
Stage 6	-6.6	10.02
Stage 6	-6.8	9.51
Stage 6	-7	9.02
Stage 6	-7.2	8.54
Stage 6	-7.4	8.07
Stage 6	-7.6	7.62
Stage 6	-7.8	7.18
Stage 6	-8	6.76
Stage 6	-8.2	6.35
Stage 6	-8.4	5.96
Stage 6	-8.6	5.58
Stage 6	-8.8	5.22
Stage 6	-9	4.87
Stage 6	-9.2	4.53
Stage 6	-9.4	4.21
Stage 6	-9.6	3.91
Stage 6	-9.8	3.61
Stage 6	-10	3.33
Stage 6	-10.2	3.07
Stage 6	-10.4	2.81
Stage 6	-10.6	2.57
Stage 6	-10.8	2.34
Stage 6	-11	2.12
Stage 6	-11.2	1.92
Stage 6	-11.4	1.72

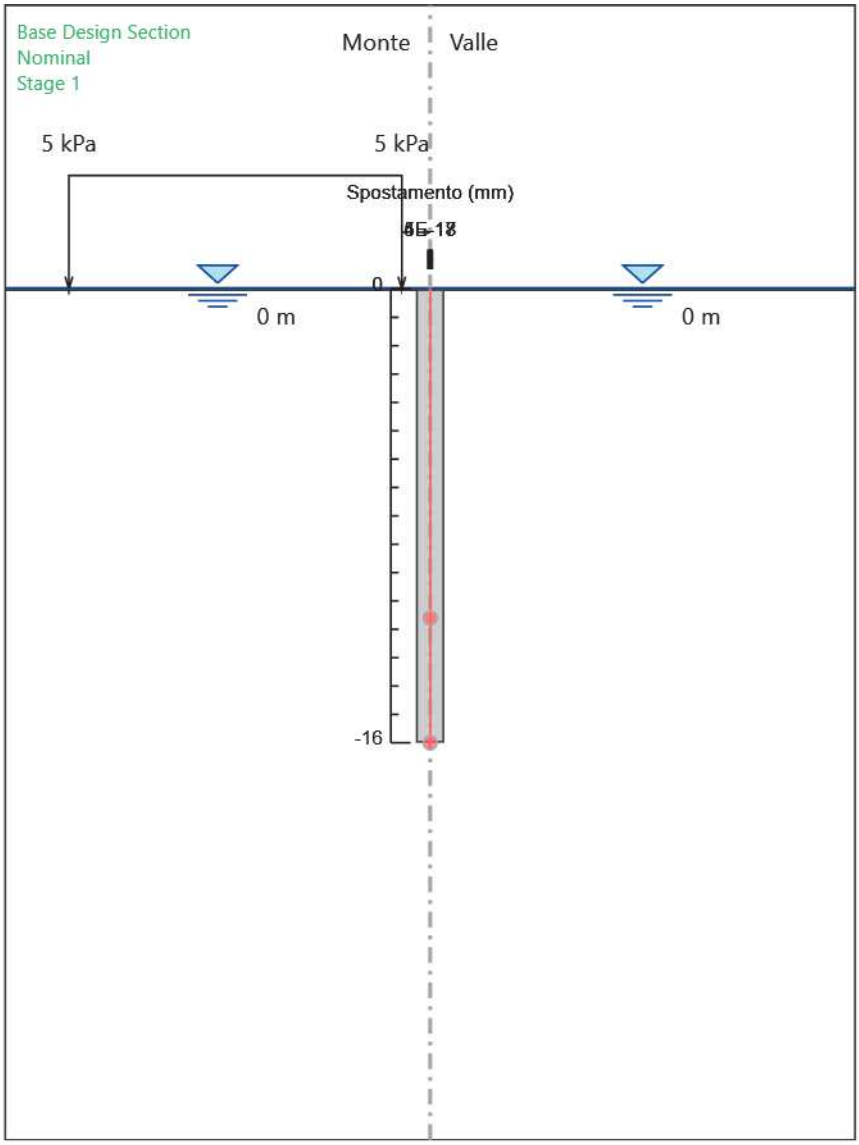
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 6	-11.6	1.53
Stage 6	-11.8	1.36
Stage 6	-12	1.19
Stage 6	-12.2	1.03
Stage 6	-12.4	0.88
Stage 6	-12.6	0.73
Stage 6	-12.8	0.59
Stage 6	-13	0.46
Stage 6	-13.2	0.33
Stage 6	-13.4	0.21
Stage 6	-13.6	0.09
Stage 6	-13.8	-0.03
Stage 6	-14	-0.14
Stage 6	-14.2	-0.25
Stage 6	-14.4	-0.35
Stage 6	-14.6	-0.46
Stage 6	-14.8	-0.56
Stage 6	-15	-0.67
Stage 6	-15.2	-0.77
Stage 6	-15.4	-0.87
Stage 6	-15.6	-0.97
Stage 6	-15.8	-1.08
Stage 6	-16	-1.18

Tabella Spostamento Nominal - LEFT Stage: Stage 7

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 7	0	30.07
Stage 7	-0.2	29.44
Stage 7	-0.4	28.81
Stage 7	-0.6	28.17
Stage 7	-0.8	27.54
Stage 7	-1	26.91
Stage 7	-1.2	26.27
Stage 7	-1.4	25.64
Stage 7	-1.6	25.01
Stage 7	-1.8	24.37
Stage 7	-2	23.74
Stage 7	-2.2	23.11
Stage 7	-2.4	22.48
Stage 7	-2.6	21.85
Stage 7	-2.8	21.22
Stage 7	-3	20.59
Stage 7	-3.2	19.96
Stage 7	-3.4	19.34
Stage 7	-3.6	18.72
Stage 7	-3.8	18.09
Stage 7	-4	17.48
Stage 7	-4.2	16.86
Stage 7	-4.4	16.25
Stage 7	-4.6	15.65
Stage 7	-4.8	15.05
Stage 7	-5	14.45
Stage 7	-5.2	13.87
Stage 7	-5.4	13.29
Stage 7	-5.6	12.71
Stage 7	-5.8	12.15
Stage 7	-6	11.6
Stage 7	-6.2	11.06
Stage 7	-6.4	10.53
Stage 7	-6.6	10.01
Stage 7	-6.8	9.5
Stage 7	-7	9.01
Stage 7	-7.2	8.53
Stage 7	-7.4	8.06
Stage 7	-7.6	7.61
Stage 7	-7.8	7.17
Stage 7	-8	6.75
Stage 7	-8.2	6.34
Stage 7	-8.4	5.95
Stage 7	-8.6	5.57
Stage 7	-8.8	5.21
Stage 7	-9	4.86
Stage 7	-9.2	4.52
Stage 7	-9.4	4.2
Stage 7	-9.6	3.9
Stage 7	-9.8	3.6
Stage 7	-10	3.32
Stage 7	-10.2	3.06
Stage 7	-10.4	2.8
Stage 7	-10.6	2.56
Stage 7	-10.8	2.33
Stage 7	-11	2.11
Stage 7	-11.2	1.91
Stage 7	-11.4	1.71

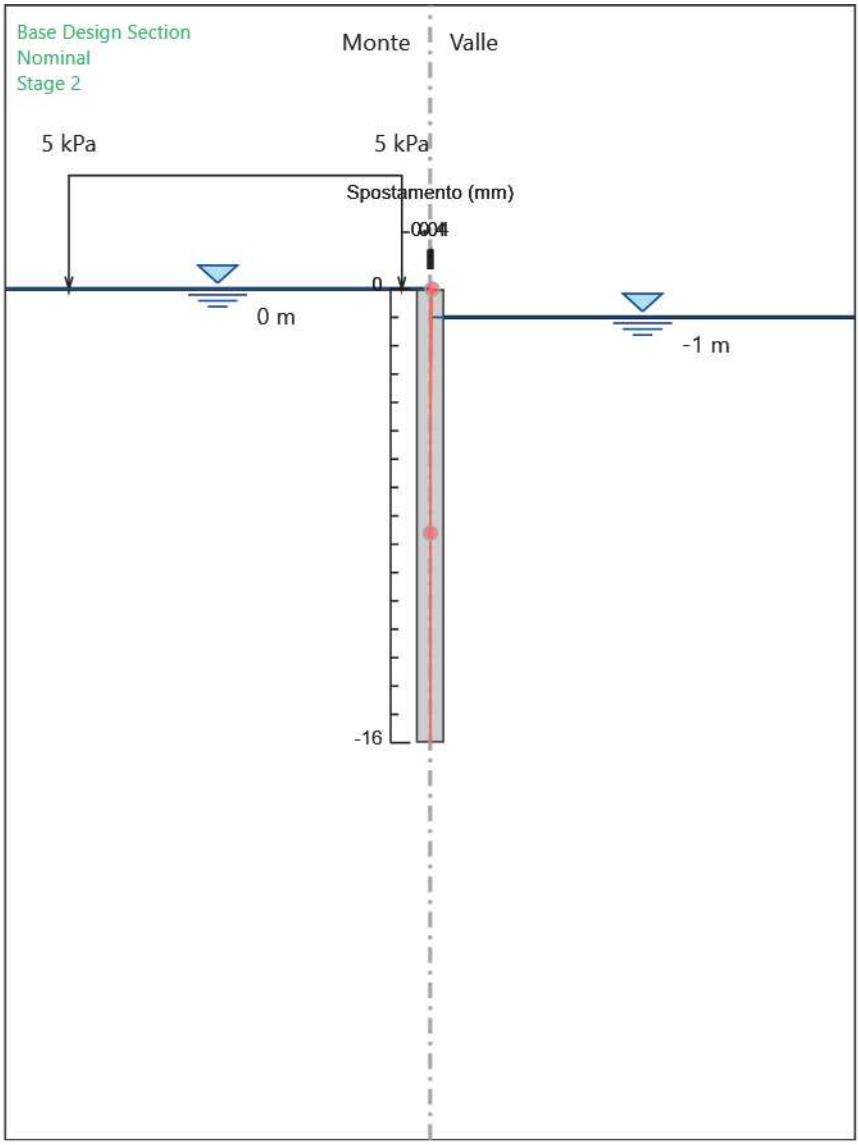
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 7	-11.6	1.52
Stage 7	-11.8	1.34
Stage 7	-12	1.18
Stage 7	-12.2	1.02
Stage 7	-12.4	0.86
Stage 7	-12.6	0.72
Stage 7	-12.8	0.58
Stage 7	-13	0.45
Stage 7	-13.2	0.32
Stage 7	-13.4	0.19
Stage 7	-13.6	0.08
Stage 7	-13.8	-0.04
Stage 7	-14	-0.15
Stage 7	-14.2	-0.26
Stage 7	-14.4	-0.37
Stage 7	-14.6	-0.48
Stage 7	-14.8	-0.58
Stage 7	-15	-0.68
Stage 7	-15.2	-0.79
Stage 7	-15.4	-0.89
Stage 7	-15.6	-0.99
Stage 7	-15.8	-1.09
Stage 7	-16	-1.2

Grafico Spostamento Nominal - Stage: Stage 1



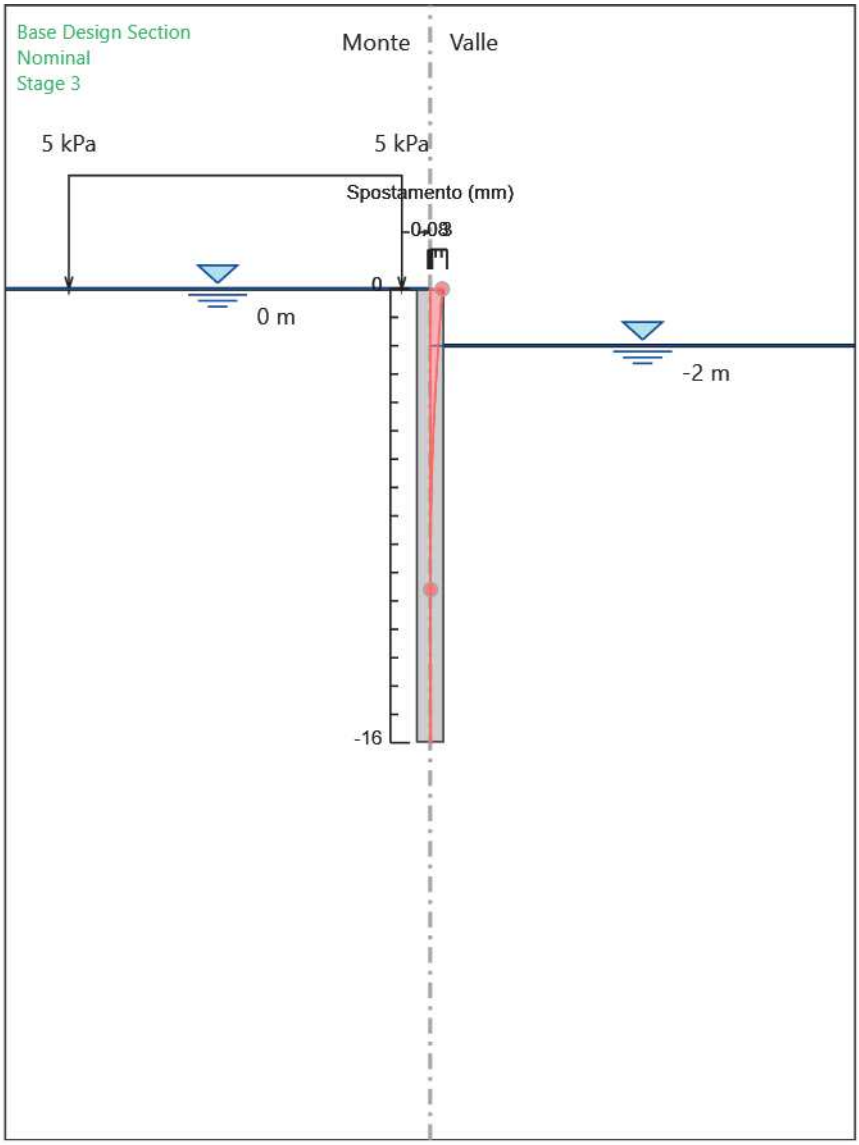
Design Assumption: Nominal
Stage: Stage 1
Spostamento

Grafico Spostamento Nominal - Stage: Stage 2



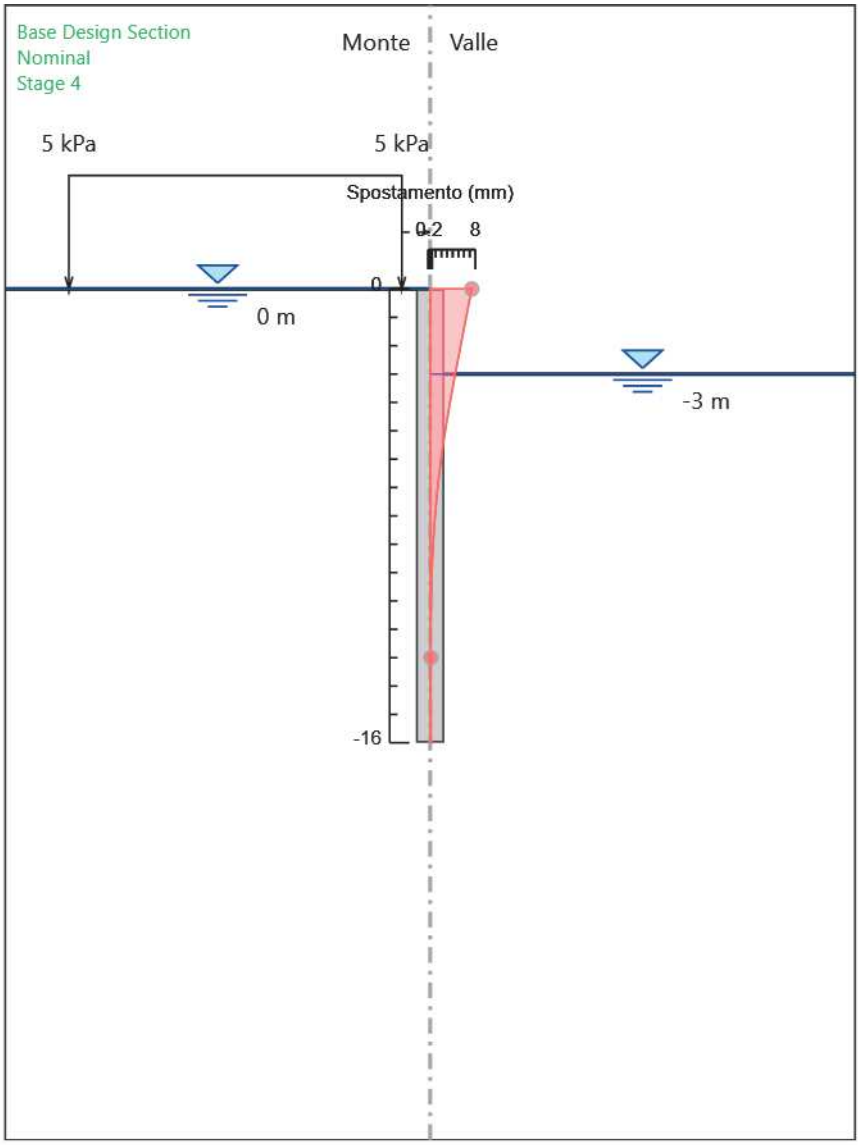
Design Assumption: Nominal
Stage: Stage 2
Spostamento

Grafico Spostamento Nominal - Stage: Stage 3



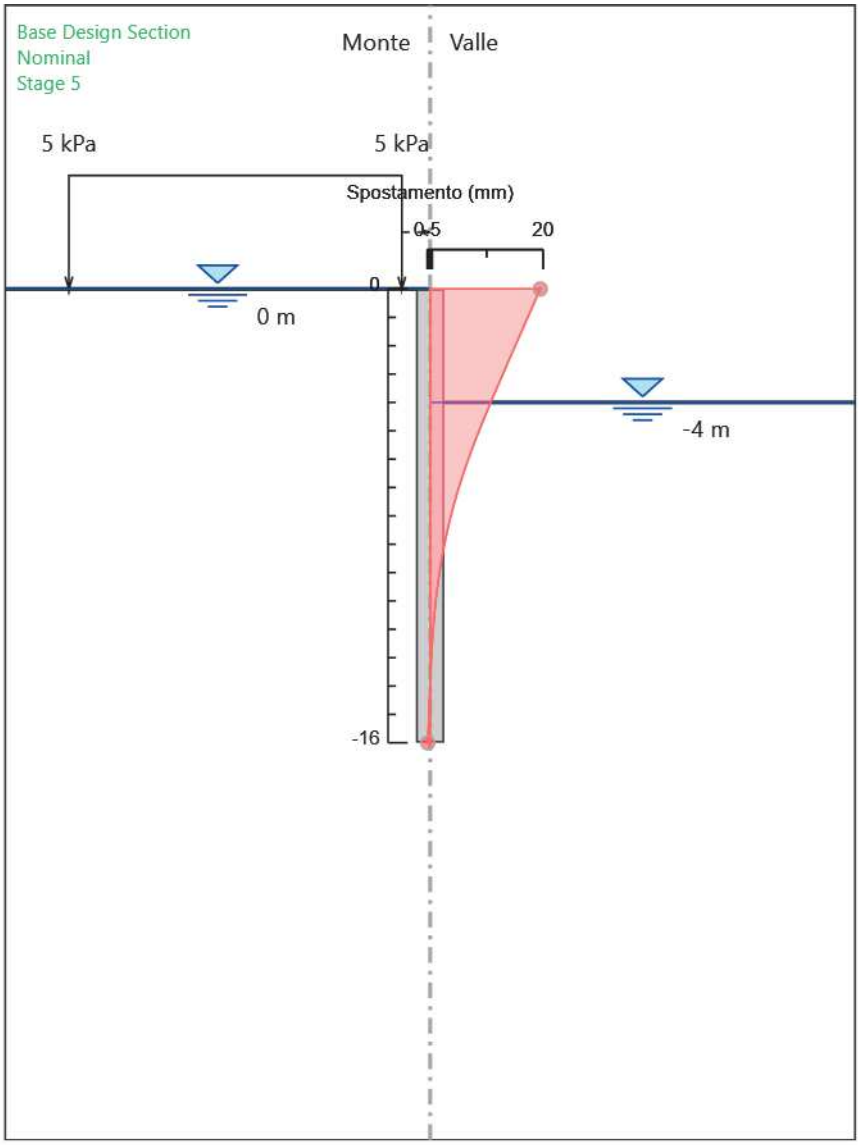
Design Assumption: Nominal
Stage: Stage 3
Spostamento

Grafico Spostamento Nominal - Stage: Stage 4



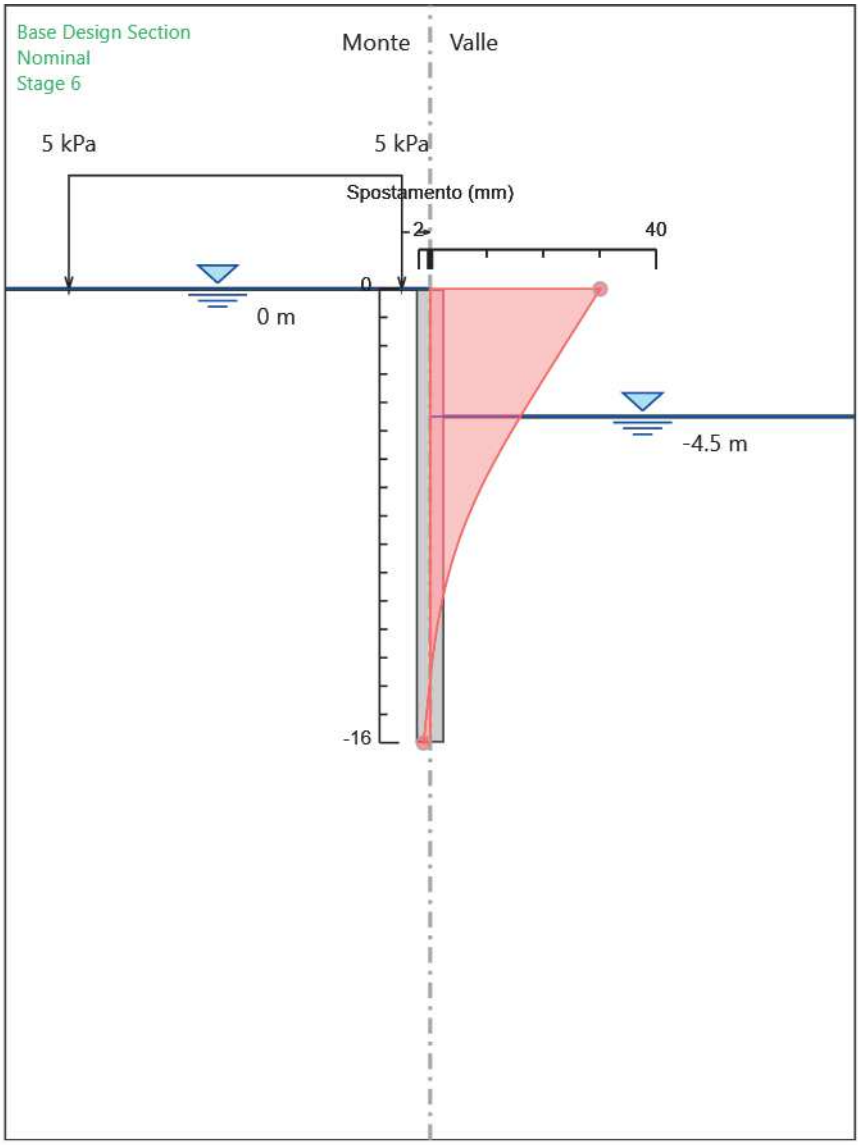
Design Assumption: Nominal
Stage: Stage 4
Spostamento

Grafico Spostamento Nominal - Stage: Stage 5



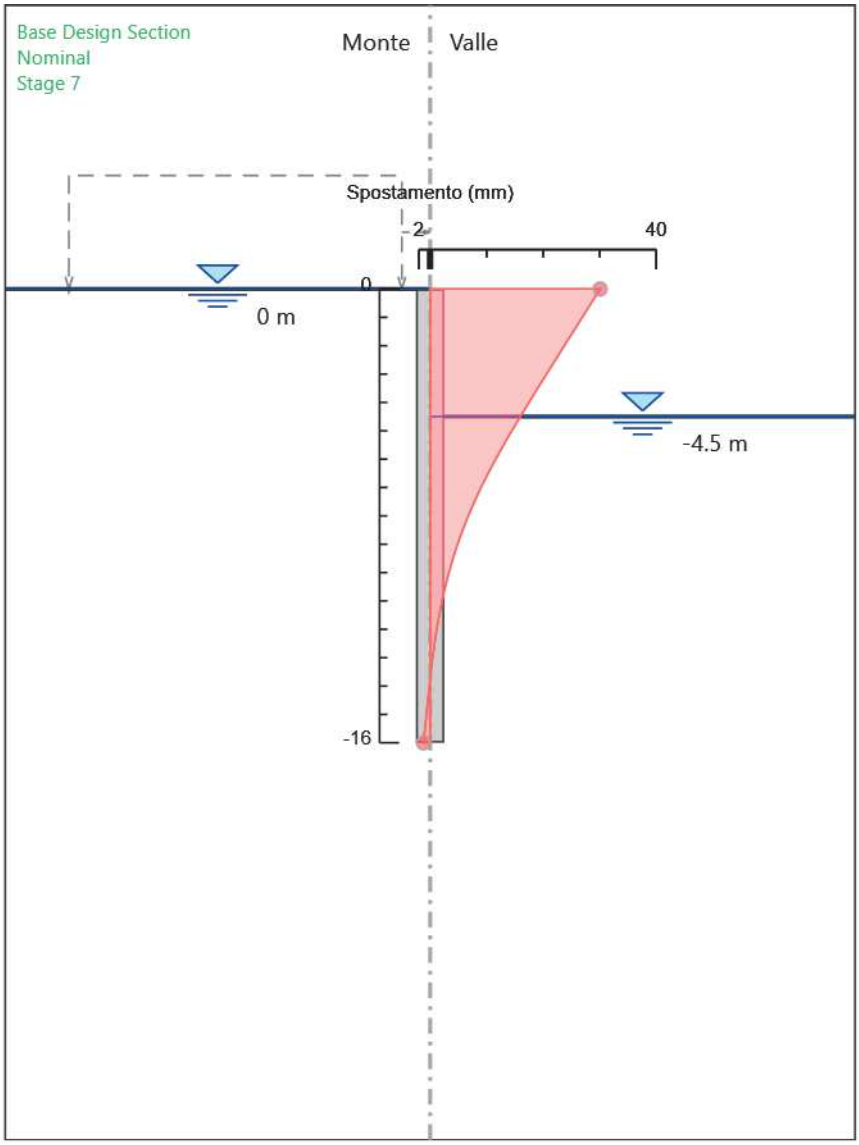
Design Assumption: Nominal
Stage: Stage 5
Spostamento

Grafico Spostamento Nominal - Stage: Stage 6



Design Assumption: Nominal
Stage: Stage 6
Spostamento

Grafico Spostamento Nominal - Stage: Stage 7



Design Assumption: Nominal
Stage: Stage 7
Spostamento

Inviluppi Spostamento Nominal

Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0
Stage 1	-12.2	0	0
Stage 1	-12.4	0	0
Stage 1	-12.6	0	0
Stage 1	-12.8	0	0
Stage 1	-13	0	0
Stage 1	-13.2	0	0
Stage 1	-13.4	0	0
Stage 1	-13.6	0	0
Stage 1	-13.8	0	0
Stage 1	-14	0	0
Stage 1	-14.2	0	0
Stage 1	-14.4	0	0
Stage 1	-14.6	0	0
Stage 1	-14.8	0	0
Stage 1	-15	0	0
Stage 1	-15.2	0	0
Stage 1	-15.4	0	0
Stage 1	-15.6	0	0
Stage 1	-15.8	0	0
Stage 1	-16	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 2

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.1	-0.49
Stage 2	-0.6	-0.39	-1.47
Stage 2	-0.8	-0.98	-2.95
Stage 2	-1	-1.97	-4.92
Stage 2	-1.2	-3.45	-7.4
Stage 2	-1.4	-4.93	-7.41
Stage 2	-1.6	-6.4	-7.35
Stage 2	-1.8	-7.84	-7.22
Stage 2	-2	-9.25	-7.03
Stage 2	-2.2	-10.61	-6.79
Stage 2	-2.4	-11.91	-6.49
Stage 2	-2.6	-13.13	-6.13
Stage 2	-2.8	-14.27	-5.71
Stage 2	-3	-15.32	-5.23
Stage 2	-3.2	-16.26	-4.69
Stage 2	-3.4	-17.08	-4.09
Stage 2	-3.6	-17.76	-3.42
Stage 2	-3.8	-18.3	-2.68
Stage 2	-4	-18.67	-1.87
Stage 2	-4.2	-18.86	-0.98
Stage 2	-4.4	-18.87	-0.02
Stage 2	-4.6	-18.66	1.03
Stage 2	-4.8	-18.26	2.01
Stage 2	-5	-17.7	2.81
Stage 2	-5.2	-17.01	3.45
Stage 2	-5.4	-16.22	3.95
Stage 2	-5.6	-15.35	4.32
Stage 2	-5.8	-14.44	4.57
Stage 2	-6	-13.5	4.73
Stage 2	-6.2	-12.54	4.79
Stage 2	-6.4	-11.58	4.79
Stage 2	-6.6	-10.63	4.73
Stage 2	-6.8	-9.71	4.6
Stage 2	-7	-8.83	4.41
Stage 2	-7.2	-7.99	4.19
Stage 2	-7.4	-7.21	3.93
Stage 2	-7.6	-6.48	3.65
Stage 2	-7.8	-5.81	3.36
Stage 2	-8	-5.2	3.05
Stage 2	-8.2	-4.65	2.75
Stage 2	-8.4	-4.16	2.45
Stage 2	-8.6	-3.73	2.15
Stage 2	-8.8	-3.35	1.87
Stage 2	-9	-3.03	1.6
Stage 2	-9.2	-2.76	1.36
Stage 2	-9.4	-2.54	1.14
Stage 2	-9.6	-2.35	0.94
Stage 2	-9.8	-2.19	0.78
Stage 2	-10	-2.06	0.65
Stage 2	-10.2	-1.95	0.56
Stage 2	-10.4	-1.84	0.51
Stage 2	-10.6	-1.74	0.5
Stage 2	-10.8	-1.64	0.53
Stage 2	-11	-1.52	0.61
Stage 2	-11.2	-1.37	0.74

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	-11.4	-1.18	0.92
Stage 2	-11.6	-0.96	1.14
Stage 2	-11.8	-0.67	1.42
Stage 2	-12	-0.32	1.75
Stage 2	-12.2	0.11	2.14
Stage 2	-12.4	0.45	1.71
Stage 2	-12.6	0.71	1.32
Stage 2	-12.8	0.91	0.96
Stage 2	-13	1.04	0.65
Stage 2	-13.2	1.11	0.36
Stage 2	-13.4	1.13	0.12
Stage 2	-13.6	1.11	-0.09
Stage 2	-13.8	1.06	-0.27
Stage 2	-14	0.98	-0.41
Stage 2	-14.2	0.88	-0.52
Stage 2	-14.4	0.76	-0.59
Stage 2	-14.6	0.63	-0.64
Stage 2	-14.8	0.5	-0.65
Stage 2	-15	0.37	-0.63
Stage 2	-15.2	0.26	-0.59
Stage 2	-15.4	0.15	-0.51
Stage 2	-15.6	0.07	-0.4
Stage 2	-15.8	0.02	-0.27
Stage 2	-16	0	-0.1

Tabella Risultati Paratia Nominal - Stage: Stage 3

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.1	-0.48
Stage 3	-0.6	-0.38	-1.44
Stage 3	-0.8	-0.96	-2.89
Stage 3	-1	-1.93	-4.82
Stage 3	-1.2	-3.37	-7.24
Stage 3	-1.4	-5.4	-10.15
Stage 3	-1.6	-8.11	-13.55
Stage 3	-1.8	-11.6	-17.45
Stage 3	-2	-15.97	-21.82
Stage 3	-2.2	-21.31	-26.69
Stage 3	-2.4	-27.13	-29.11
Stage 3	-2.6	-32.94	-29.07
Stage 3	-2.8	-38.29	-26.75
Stage 3	-3	-43.2	-24.54
Stage 3	-3.2	-47.69	-22.43
Stage 3	-3.4	-51.77	-20.42
Stage 3	-3.6	-55.47	-18.49
Stage 3	-3.8	-58.8	-16.66
Stage 3	-4	-61.78	-14.91
Stage 3	-4.2	-64.43	-13.23
Stage 3	-4.4	-66.76	-11.63
Stage 3	-4.6	-68.77	-10.08
Stage 3	-4.8	-70.49	-8.59
Stage 3	-5	-71.92	-7.15
Stage 3	-5.2	-73.07	-5.74
Stage 3	-5.4	-73.94	-4.37
Stage 3	-5.6	-74.55	-3.02
Stage 3	-5.8	-74.88	-1.68

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	-6	-74.95	-0.35
Stage 3	-6.2	-74.76	0.99
Stage 3	-6.4	-74.29	2.33
Stage 3	-6.6	-73.55	3.7
Stage 3	-6.8	-72.53	5.09
Stage 3	-7	-71.23	6.52
Stage 3	-7.2	-69.63	8
Stage 3	-7.4	-67.72	9.53
Stage 3	-7.6	-65.5	11.11
Stage 3	-7.8	-62.95	12.77
Stage 3	-8	-60.1	14.22
Stage 3	-8.2	-57.04	15.31
Stage 3	-8.4	-53.82	16.08
Stage 3	-8.6	-50.51	16.57
Stage 3	-8.8	-47.15	16.82
Stage 3	-9	-43.78	16.84
Stage 3	-9.2	-40.45	16.64
Stage 3	-9.4	-37.2	16.26
Stage 3	-9.6	-34.05	15.73
Stage 3	-9.8	-31.03	15.11
Stage 3	-10	-28.15	14.41
Stage 3	-10.2	-25.41	13.67
Stage 3	-10.4	-22.83	12.91
Stage 3	-10.6	-20.4	12.17
Stage 3	-10.8	-18.1	11.46
Stage 3	-11	-15.94	10.81
Stage 3	-11.2	-13.9	10.22
Stage 3	-11.4	-11.95	9.73
Stage 3	-11.6	-10.09	9.33
Stage 3	-11.8	-8.28	9.05
Stage 3	-12	-6.5	8.89
Stage 3	-12.2	-4.73	8.86
Stage 3	-12.4	-3.23	7.52
Stage 3	-12.6	-1.97	6.27
Stage 3	-12.8	-0.95	5.13
Stage 3	-13	-0.13	4.08
Stage 3	-13.2	0.5	3.13
Stage 3	-13.4	0.95	2.27
Stage 3	-13.6	1.25	1.52
Stage 3	-13.8	1.43	0.86
Stage 3	-14	1.49	0.3
Stage 3	-14.2	1.45	-0.17
Stage 3	-14.4	1.34	-0.54
Stage 3	-14.6	1.18	-0.82
Stage 3	-14.8	0.98	-1.01
Stage 3	-15	0.76	-1.1
Stage 3	-15.2	0.53	-1.11
Stage 3	-15.4	0.33	-1.02
Stage 3	-15.6	0.16	-0.85
Stage 3	-15.8	0.04	-0.58
Stage 3	-16	0	-0.22

Tabella Risultati Paratia Nominal - Stage: Stage 4

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.4	-0.09	-0.47
Stage 4	-0.4	-0.09	-0.47
Stage 4	-0.6	-0.38	-1.41
Stage 4	-0.8	-0.94	-2.82
Stage 4	-1	-1.88	-4.71
Stage 4	-1.2	-3.3	-7.08
Stage 4	-1.4	-5.28	-9.92
Stage 4	-1.6	-7.93	-13.24
Stage 4	-1.8	-11.34	-17.05
Stage 4	-2	-15.6	-21.33
Stage 4	-2.2	-20.82	-26.09
Stage 4	-2.4	-27.09	-31.32
Stage 4	-2.6	-34.49	-37.03
Stage 4	-2.8	-43.14	-43.21
Stage 4	-3	-53.11	-49.87
Stage 4	-3.2	-64.51	-57
Stage 4	-3.4	-76.86	-61.75
Stage 4	-3.6	-89.68	-64.11
Stage 4	-3.8	-102.5	-64.08
Stage 4	-4	-114.83	-61.67
Stage 4	-4.2	-126.2	-56.87
Stage 4	-4.4	-136.4	-50.98
Stage 4	-4.6	-145.49	-45.42
Stage 4	-4.8	-153.52	-40.19
Stage 4	-5	-160.58	-35.26
Stage 4	-5.2	-166.7	-30.63
Stage 4	-5.4	-171.96	-26.27
Stage 4	-5.6	-176.39	-22.18
Stage 4	-5.8	-180.06	-18.35
Stage 4	-6	-183.01	-14.74
Stage 4	-6.2	-185.28	-11.36
Stage 4	-6.4	-186.92	-8.19
Stage 4	-6.6	-187.96	-5.2
Stage 4	-6.8	-188.43	-2.38
Stage 4	-7	-188.38	0.28
Stage 4	-7.2	-187.82	2.8
Stage 4	-7.4	-186.78	5.2
Stage 4	-7.6	-185.28	7.49
Stage 4	-7.8	-183.34	9.69
Stage 4	-8	-180.98	11.81
Stage 4	-8.2	-178.21	13.87
Stage 4	-8.4	-175.03	15.89
Stage 4	-8.6	-171.46	17.87
Stage 4	-8.8	-167.49	19.84
Stage 4	-9	-163.13	21.81
Stage 4	-9.2	-158.37	23.79
Stage 4	-9.4	-153.21	25.79
Stage 4	-9.6	-147.64	27.83
Stage 4	-9.8	-141.66	29.92
Stage 4	-10	-135.24	32.08
Stage 4	-10.2	-128.39	34.29
Stage 4	-10.4	-121.19	35.99
Stage 4	-10.6	-113.74	37.24
Stage 4	-10.8	-106.12	38.1
Stage 4	-11	-98.42	38.53

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 4	-11.2	-90.7	38.6
Stage 4	-11.4	-83.02	38.39
Stage 4	-11.6	-75.43	37.95
Stage 4	-11.8	-67.96	37.34
Stage 4	-12	-60.64	36.62
Stage 4	-12.2	-53.47	35.82
Stage 4	-12.4	-46.83	33.2
Stage 4	-12.6	-40.71	30.6
Stage 4	-12.8	-35.1	28.05
Stage 4	-13	-29.99	25.56
Stage 4	-13.2	-25.36	23.14
Stage 4	-13.4	-21.2	20.8
Stage 4	-13.6	-17.49	18.55
Stage 4	-13.8	-14.21	16.4
Stage 4	-14	-11.34	14.36
Stage 4	-14.2	-8.86	12.43
Stage 4	-14.4	-6.73	10.61
Stage 4	-14.6	-4.95	8.9
Stage 4	-14.8	-3.49	7.32
Stage 4	-15	-2.32	5.86
Stage 4	-15.2	-1.41	4.51
Stage 4	-15.4	-0.76	3.29
Stage 4	-15.6	-0.32	2.2
Stage 4	-15.8	-0.07	1.22
Stage 4	-16	0	0.37

Tabella Risultati Paratia Nominal - Stage: Stage 5

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5	0	0	0
Stage 5	-0.2	0	0
Stage 5	-0.2	0	0
Stage 5	-0.4	-0.09	-0.46
Stage 5	-0.6	-0.37	-1.37
Stage 5	-0.8	-0.92	-2.75
Stage 5	-1	-1.83	-4.59
Stage 5	-1.2	-3.21	-6.9
Stage 5	-1.4	-5.15	-9.67
Stage 5	-1.6	-7.73	-12.91
Stage 5	-1.8	-11.05	-16.62
Stage 5	-2	-15.21	-20.79
Stage 5	-2.2	-20.3	-25.44
Stage 5	-2.4	-26.41	-30.54
Stage 5	-2.6	-33.63	-36.11
Stage 5	-2.8	-42.06	-42.14
Stage 5	-3	-51.78	-48.63
Stage 5	-3.2	-62.9	-55.58
Stage 5	-3.4	-75.5	-63
Stage 5	-3.6	-89.67	-70.87
Stage 5	-3.8	-105.51	-79.2
Stage 5	-4	-123.11	-87.99
Stage 5	-4.2	-142.56	-97.25
Stage 5	-4.4	-163.4	-104.19
Stage 5	-4.6	-185.17	-108.82
Stage 5	-4.8	-207.4	-111.15
Stage 5	-5	-229.63	-111.17
Stage 5	-5.2	-251.4	-108.88
Stage 5	-5.4	-272.26	-104.27
Stage 5	-5.6	-291.73	-97.36
Stage 5	-5.8	-309.36	-88.15
Stage 5	-6	-324.78	-77.11
Stage 5	-6.2	-338.12	-66.7
Stage 5	-6.4	-349.5	-56.87
Stage 5	-6.6	-359.02	-47.61
Stage 5	-6.8	-366.8	-38.89
Stage 5	-7	-372.94	-30.7
Stage 5	-7.2	-377.54	-22.99
Stage 5	-7.4	-380.69	-15.76
Stage 5	-7.6	-382.48	-8.96
Stage 5	-7.8	-383	-2.58
Stage 5	-8	-382.31	3.41
Stage 5	-8.2	-380.51	9.04
Stage 5	-8.4	-377.64	14.32
Stage 5	-8.6	-373.78	19.3
Stage 5	-8.8	-368.99	23.99
Stage 5	-9	-363.3	28.41
Stage 5	-9.2	-356.78	32.6
Stage 5	-9.4	-349.47	36.57
Stage 5	-9.6	-341.4	40.35
Stage 5	-9.8	-332.61	43.96
Stage 5	-10	-323.12	47.43
Stage 5	-10.2	-312.97	50.77
Stage 5	-10.4	-302.17	54.01
Stage 5	-10.6	-290.74	57.16
Stage 5	-10.8	-278.69	60.25
Stage 5	-11	-266.03	63.29
Stage 5	-11.2	-252.77	66.29

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5	-11.4	-238.91	69.29
Stage 5	-11.6	-224.45	72.29
Stage 5	-11.8	-209.39	75.31
Stage 5	-12	-193.72	78.36
Stage 5	-12.2	-177.43	81.45
Stage 5	-12.4	-161.38	80.24
Stage 5	-12.6	-145.7	78.44
Stage 5	-12.8	-130.47	76.11
Stage 5	-13	-115.82	73.29
Stage 5	-13.2	-101.81	70.02
Stage 5	-13.4	-88.55	66.32
Stage 5	-13.6	-76.08	62.36
Stage 5	-13.8	-64.44	58.17
Stage 5	-14	-53.68	53.82
Stage 5	-14.2	-43.82	49.31
Stage 5	-14.4	-34.89	44.65
Stage 5	-14.6	-26.91	39.86
Stage 5	-14.8	-19.93	34.95
Stage 5	-15	-13.94	29.91
Stage 5	-15.2	-8.99	24.75
Stage 5	-15.4	-5.1	19.47
Stage 5	-15.6	-2.29	14.07
Stage 5	-15.8	-0.58	8.54
Stage 5	-16	0	2.89

Tabella Risultati Paratia Nominal - Stage: Stage 6

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6	0	0	0
Stage 6	-0.2	0	0
Stage 6	-0.2	0	0
Stage 6	-0.4	-0.09	-0.45
Stage 6	-0.6	-0.36	-1.35
Stage 6	-0.8	-0.9	-2.71
Stage 6	-1	-1.81	-4.53
Stage 6	-1.2	-3.17	-6.81
Stage 6	-1.4	-5.08	-9.54
Stage 6	-1.6	-7.63	-12.73
Stage 6	-1.8	-10.9	-16.4
Stage 6	-2	-15.01	-20.51
Stage 6	-2.2	-20.03	-25.09
Stage 6	-2.4	-26.05	-30.13
Stage 6	-2.6	-33.18	-35.62
Stage 6	-2.8	-41.49	-41.57
Stage 6	-3	-51.09	-47.97
Stage 6	-3.2	-62.05	-54.84
Stage 6	-3.4	-74.48	-62.15
Stage 6	-3.6	-88.46	-69.91
Stage 6	-3.8	-104.09	-78.14
Stage 6	-4	-121.45	-86.81
Stage 6	-4.2	-140.64	-95.94
Stage 6	-4.4	-161.74	-105.52
Stage 6	-4.6	-184.85	-115.55
Stage 6	-4.8	-209.79	-124.67
Stage 6	-5	-236.09	-131.53
Stage 6	-5.2	-263.32	-136.12
Stage 6	-5.4	-291	-138.44
Stage 6	-5.6	-318.7	-138.49
Stage 6	-5.8	-345.96	-136.28
Stage 6	-6	-372.32	-131.8
Stage 6	-6.2	-397.33	-125.05
Stage 6	-6.4	-420.54	-116.03
Stage 6	-6.6	-441.49	-104.75
Stage 6	-6.8	-459.72	-91.19
Stage 6	-7	-475.15	-77.13
Stage 6	-7.2	-487.92	-63.85
Stage 6	-7.4	-498.18	-51.31
Stage 6	-7.6	-506.08	-39.48
Stage 6	-7.8	-511.75	-28.33
Stage 6	-8	-515.31	-17.84
Stage 6	-8.2	-516.91	-7.96
Stage 6	-8.4	-516.64	1.33
Stage 6	-8.6	-514.63	10.07
Stage 6	-8.8	-510.97	18.28
Stage 6	-9	-505.77	26
Stage 6	-9.2	-499.12	33.26
Stage 6	-9.4	-491.1	40.09
Stage 6	-9.6	-481.8	46.52
Stage 6	-9.8	-471.28	52.58
Stage 6	-10	-459.62	58.29
Stage 6	-10.2	-446.88	63.7
Stage 6	-10.4	-433.12	68.81
Stage 6	-10.6	-418.39	73.66
Stage 6	-10.8	-402.73	78.28
Stage 6	-11	-386.2	82.68
Stage 6	-11.2	-368.82	86.9

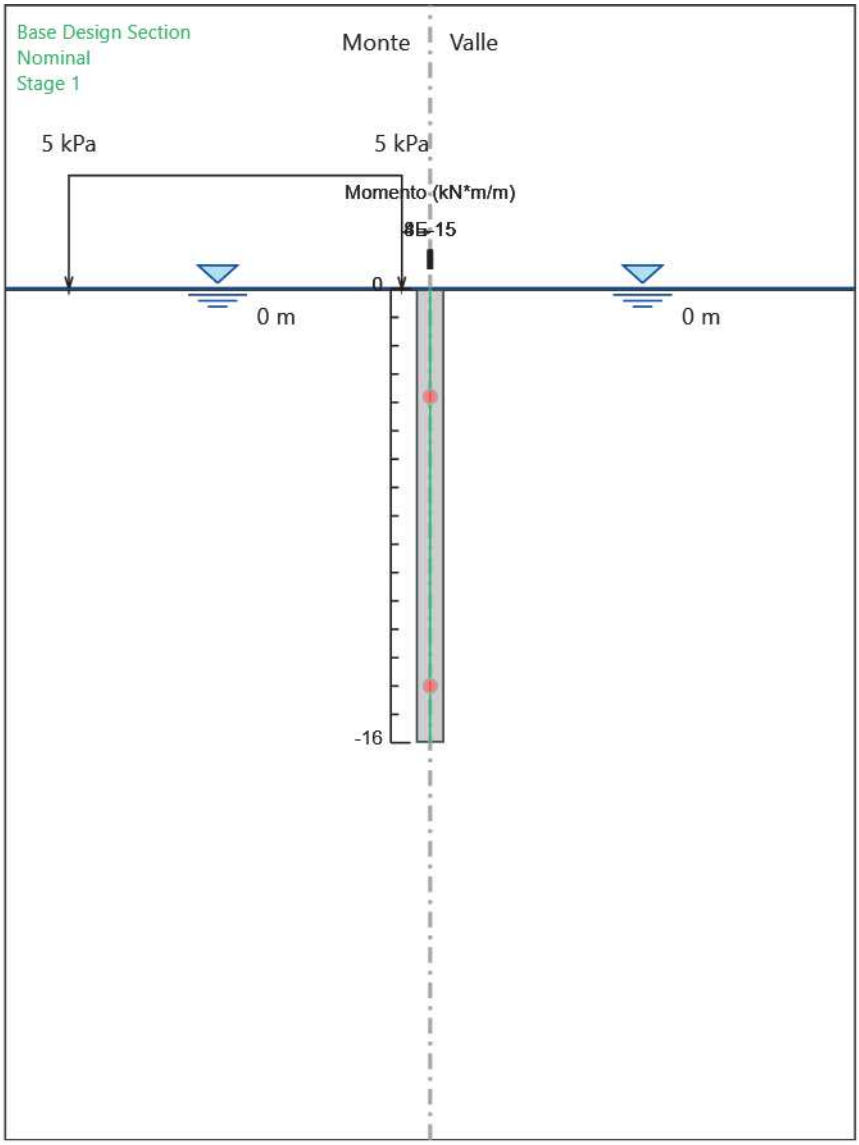
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6	-11.4	-350.63	90.95
Stage 6	-11.6	-331.65	94.86
Stage 6	-11.8	-311.93	98.64
Stage 6	-12	-291.46	102.31
Stage 6	-12.2	-270.29	105.89
Stage 6	-12.4	-249.08	106.02
Stage 6	-12.6	-227.87	106.08
Stage 6	-12.8	-206.65	106.08
Stage 6	-13	-185.63	105.09
Stage 6	-13.2	-165.03	103.02
Stage 6	-13.4	-145.05	99.91
Stage 6	-13.6	-125.86	95.92
Stage 6	-13.8	-107.64	91.12
Stage 6	-14	-90.5	85.69
Stage 6	-14.2	-74.55	79.75
Stage 6	-14.4	-59.89	73.32
Stage 6	-14.6	-46.61	66.41
Stage 6	-14.8	-34.8	59.04
Stage 6	-15	-24.56	51.21
Stage 6	-15.2	-15.97	42.93
Stage 6	-15.4	-9.13	34.2
Stage 6	-15.6	-4.13	25.01
Stage 6	-15.8	-1.05	15.37
Stage 6	-16	0	5.27

Tabella Risultati Paratia Nominal - Stage: Stage 7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 7	0	0	0
Stage 7	-0.2	0	0
Stage 7	-0.2	0	0
Stage 7	-0.4	-0.1	-0.49
Stage 7	-0.6	-0.38	-1.43
Stage 7	-0.8	-0.95	-2.82
Stage 7	-1	-1.88	-4.67
Stage 7	-1.2	-3.28	-6.97
Stage 7	-1.4	-5.22	-9.73
Stage 7	-1.6	-7.81	-12.93
Stage 7	-1.8	-11.13	-16.6
Stage 7	-2	-15.27	-20.71
Stage 7	-2.2	-20.33	-25.28
Stage 7	-2.4	-26.38	-30.29
Stage 7	-2.6	-33.54	-35.77
Stage 7	-2.8	-41.88	-41.69
Stage 7	-3	-51.49	-48.07
Stage 7	-3.2	-62.47	-54.9
Stage 7	-3.4	-74.91	-62.18
Stage 7	-3.6	-88.89	-69.92
Stage 7	-3.8	-104.51	-78.1
Stage 7	-4	-121.86	-86.74
Stage 7	-4.2	-141.03	-95.83
Stage 7	-4.4	-162.1	-105.38
Stage 7	-4.6	-185.18	-115.37
Stage 7	-4.8	-210.08	-124.5
Stage 7	-5	-236.35	-131.36
Stage 7	-5.2	-263.54	-135.96
Stage 7	-5.4	-291.2	-138.28
Stage 7	-5.6	-318.86	-138.34
Stage 7	-5.8	-346.09	-136.13
Stage 7	-6	-372.42	-131.65
Stage 7	-6.2	-397.4	-124.9
Stage 7	-6.4	-420.58	-115.89
Stage 7	-6.6	-441.5	-104.61
Stage 7	-6.8	-459.71	-91.06
Stage 7	-7	-475.11	-77
Stage 7	-7.2	-487.85	-63.72
Stage 7	-7.4	-498.09	-51.18
Stage 7	-7.6	-505.96	-39.35
Stage 7	-7.8	-511.6	-28.21
Stage 7	-8	-515.14	-17.72
Stage 7	-8.2	-516.71	-7.85
Stage 7	-8.4	-516.43	1.44
Stage 7	-8.6	-514.39	10.17
Stage 7	-8.8	-510.72	18.38
Stage 7	-9	-505.5	26.09
Stage 7	-9.2	-498.83	33.34
Stage 7	-9.4	-490.8	40.16
Stage 7	-9.6	-481.48	46.58
Stage 7	-9.8	-470.95	52.63
Stage 7	-10	-459.29	58.33
Stage 7	-10.2	-446.54	63.72
Stage 7	-10.4	-432.78	68.81
Stage 7	-10.6	-418.05	73.64
Stage 7	-10.8	-402.41	78.24
Stage 7	-11	-385.88	82.62
Stage 7	-11.2	-368.52	86.81

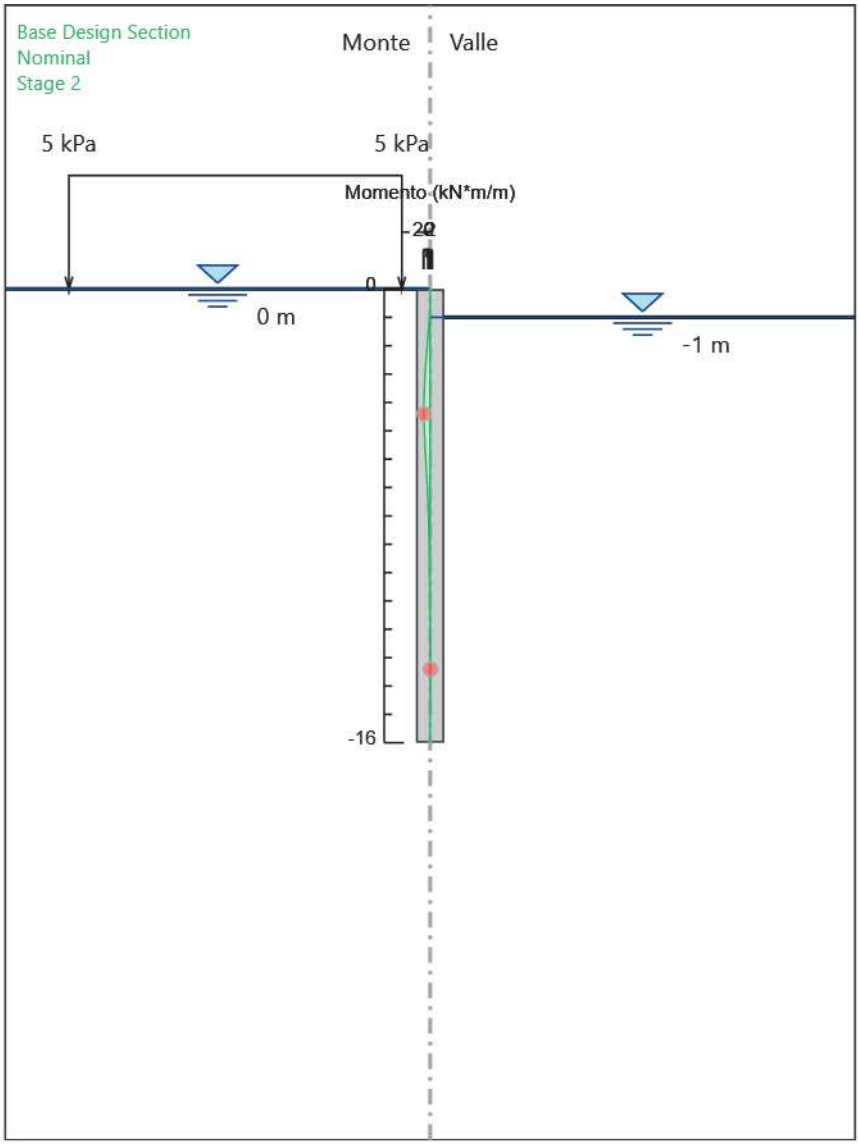
Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 7	-11.4	-350.36	90.83
Stage 7	-11.6	-331.42	94.7
Stage 7	-11.8	-311.73	98.45
Stage 7	-12	-291.31	102.08
Stage 7	-12.2	-270.19	105.62
Stage 7	-12.4	-249.03	105.8
Stage 7	-12.6	-227.85	105.9
Stage 7	-12.8	-206.66	105.93
Stage 7	-13	-185.67	104.98
Stage 7	-13.2	-165.08	102.94
Stage 7	-13.4	-145.11	99.85
Stage 7	-13.6	-125.93	95.89
Stage 7	-13.8	-107.71	91.1
Stage 7	-14	-90.57	85.69
Stage 7	-14.2	-74.62	79.77
Stage 7	-14.4	-59.95	73.35
Stage 7	-14.6	-46.66	66.46
Stage 7	-14.8	-34.84	59.09
Stage 7	-15	-24.59	51.26
Stage 7	-15.2	-15.99	42.98
Stage 7	-15.4	-9.14	34.24
Stage 7	-15.6	-4.14	25.05
Stage 7	-15.8	-1.06	15.39
Stage 7	-16	0	5.28

Grafico Momento Nominal - Stage: Stage 1



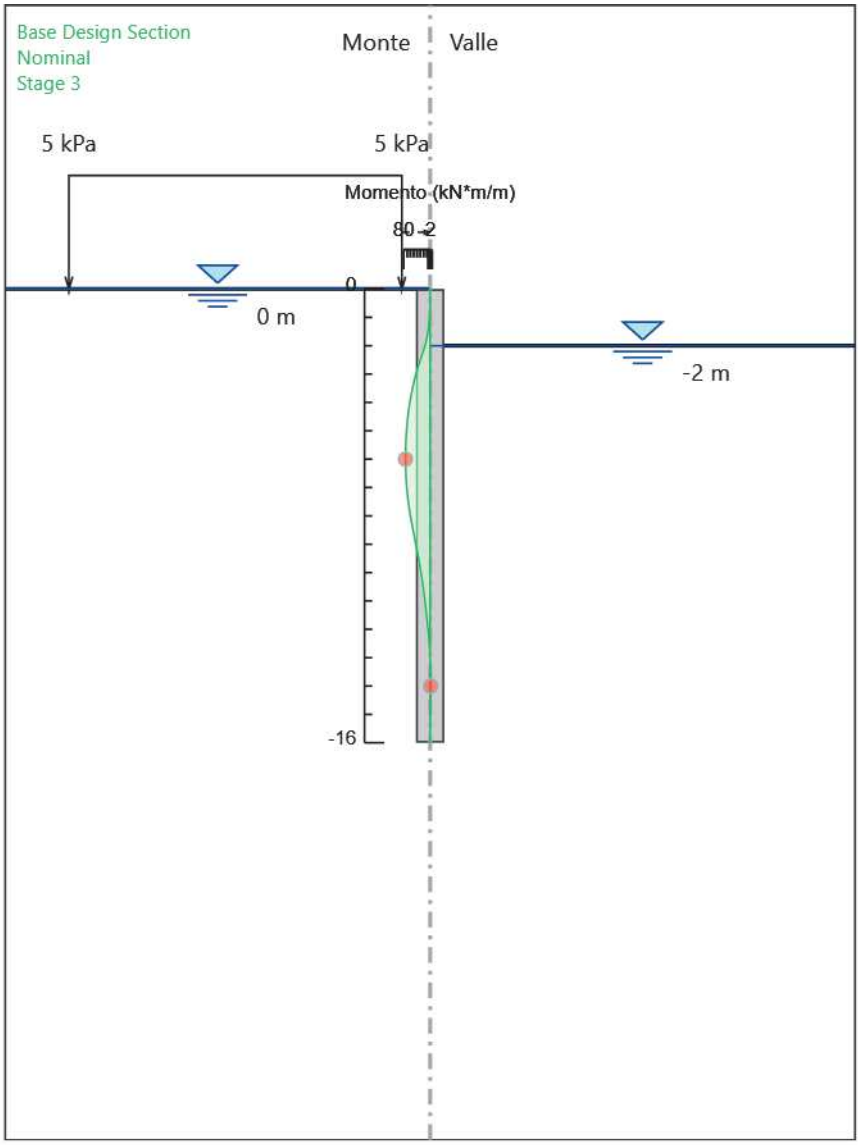
Design Assumption: Nominal
Stage: Stage 1
Momento

Grafico Momento Nominal - Stage: Stage 2



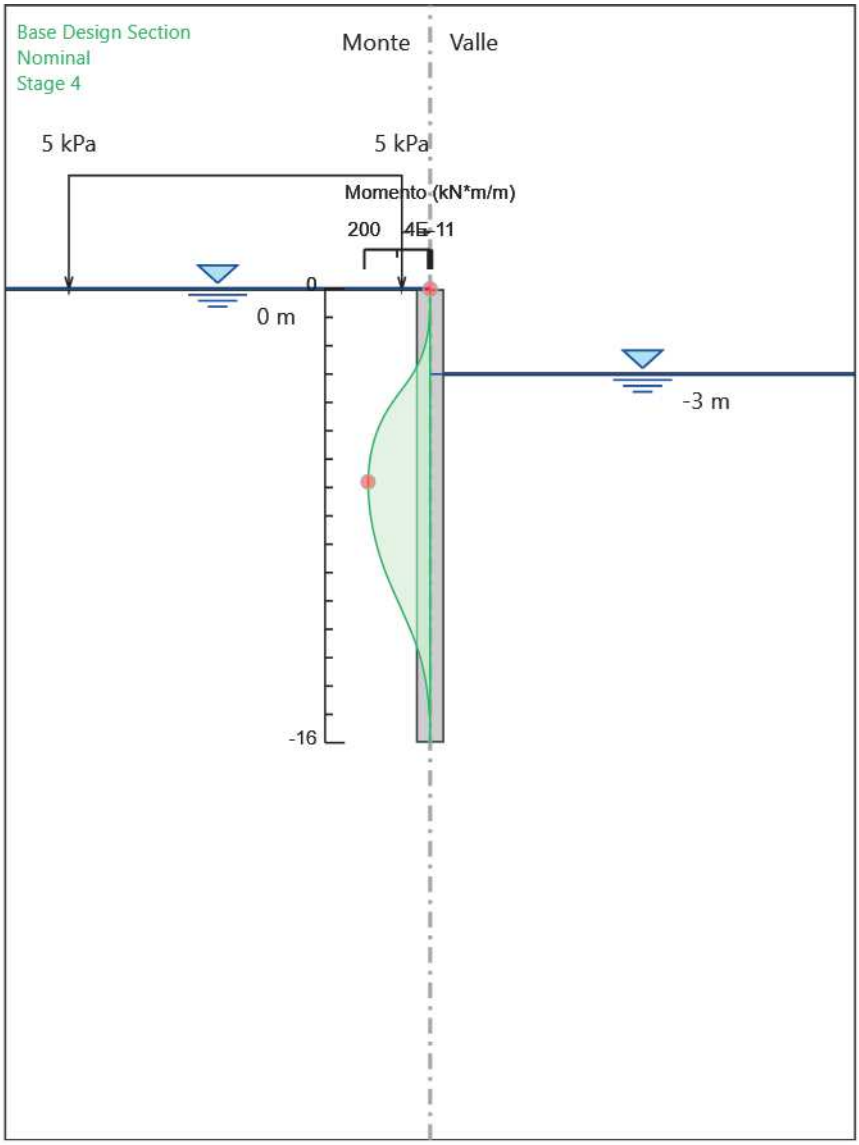
Design Assumption: Nominal
Stage: Stage 2
Momento

Grafico Momento Nominal - Stage: Stage 3



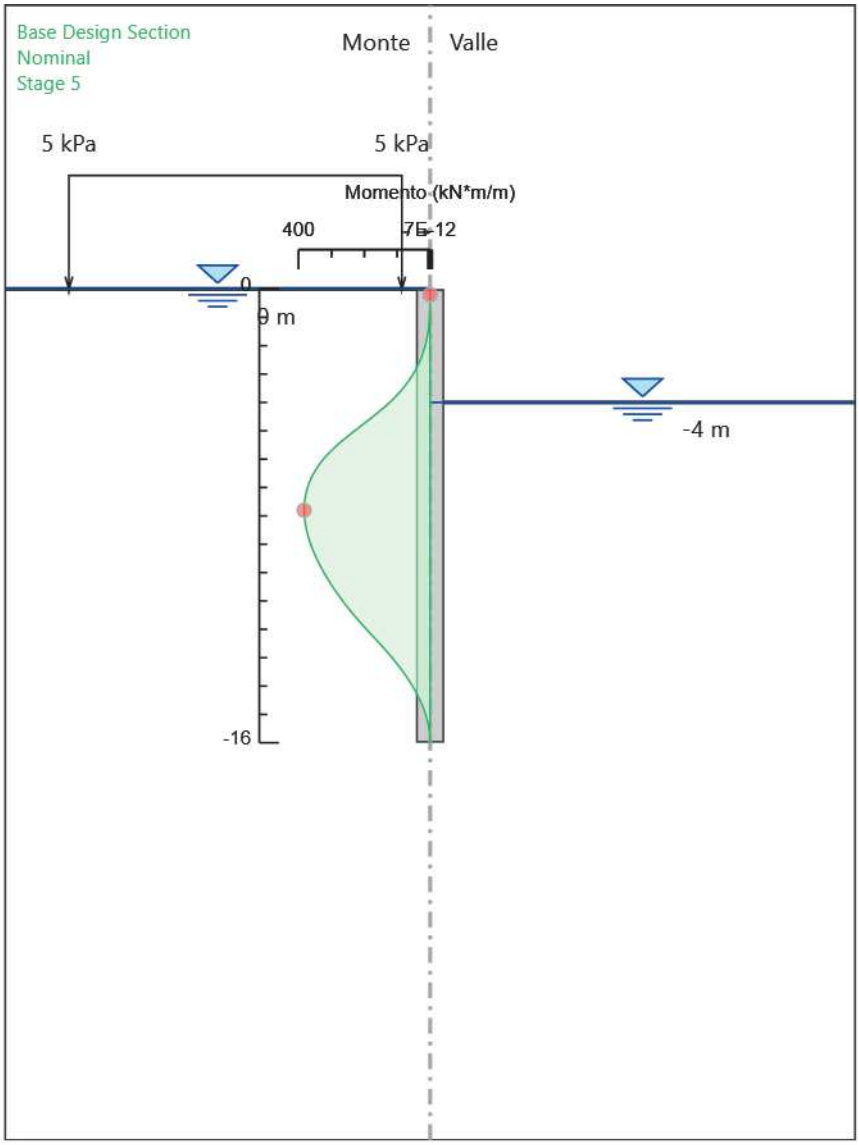
Design Assumption: Nominal
Stage: Stage 3
Momento

Grafico Momento Nominal - Stage: Stage 4



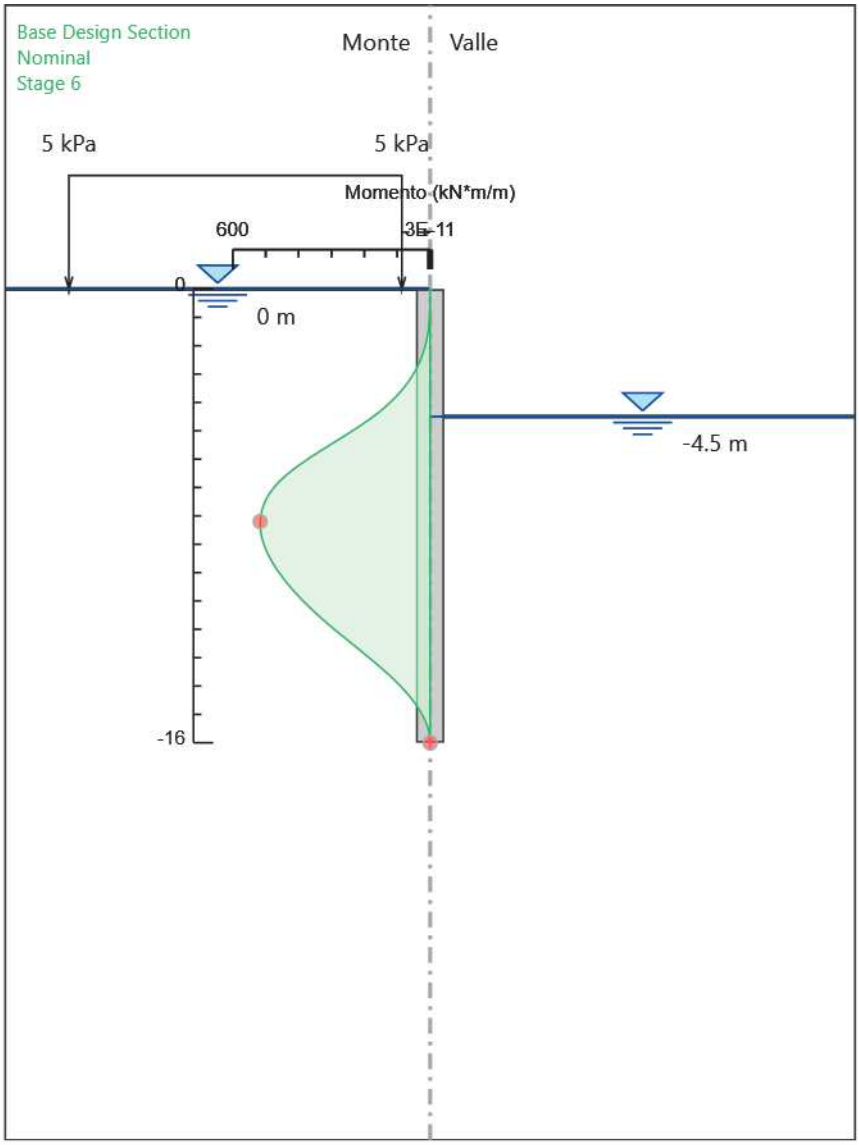
Design Assumption: Nominal
Stage: Stage 4
Momento

Grafico Momento Nominal - Stage: Stage 5



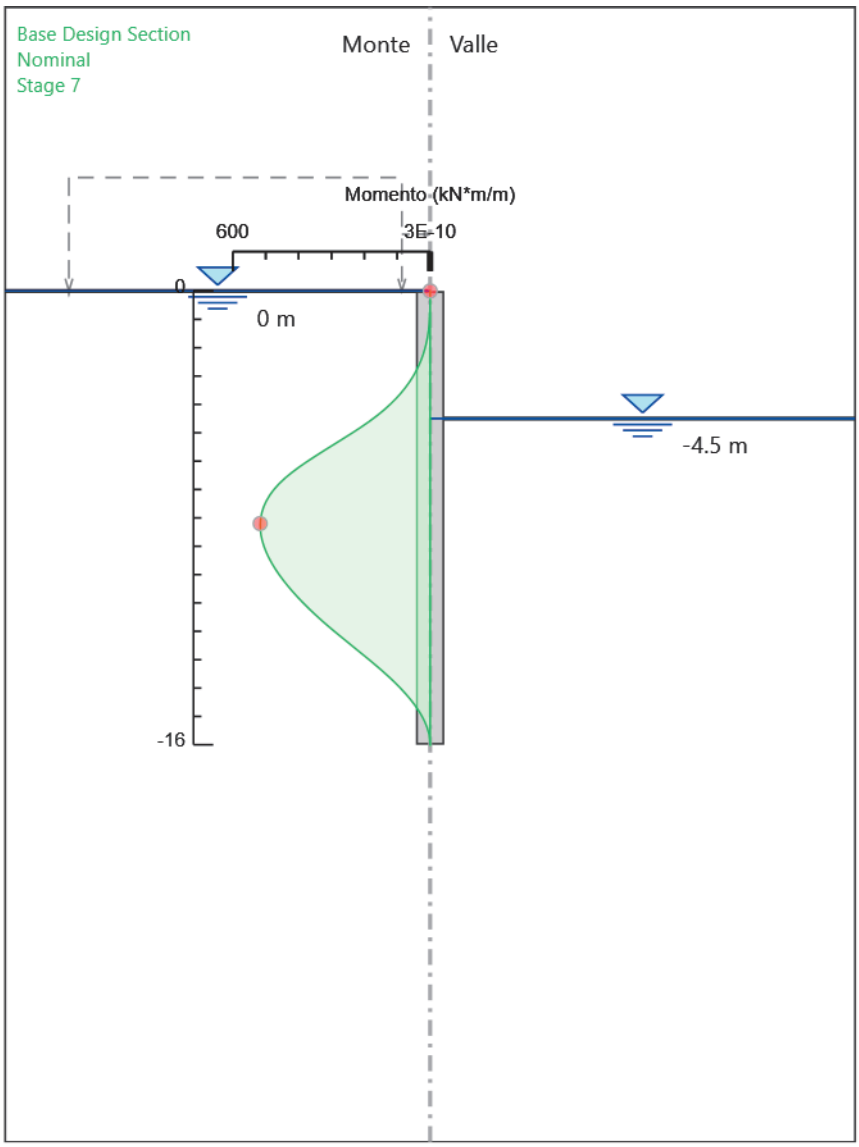
Design Assumption: Nominal
Stage: Stage 5
Momento

Grafico Momento Nominal - Stage: Stage 6



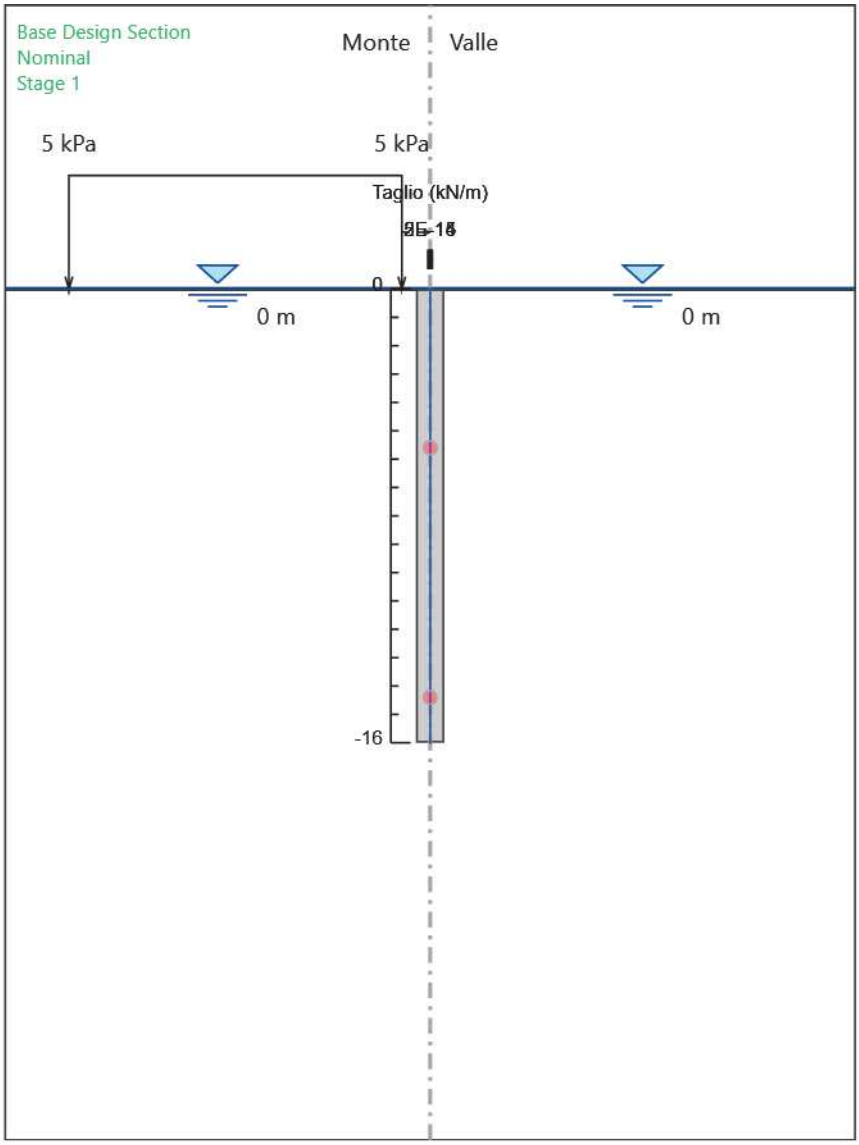
Design Assumption: Nominal
Stage: Stage 6
Momento

Grafico Momento Nominal - Stage: Stage 7



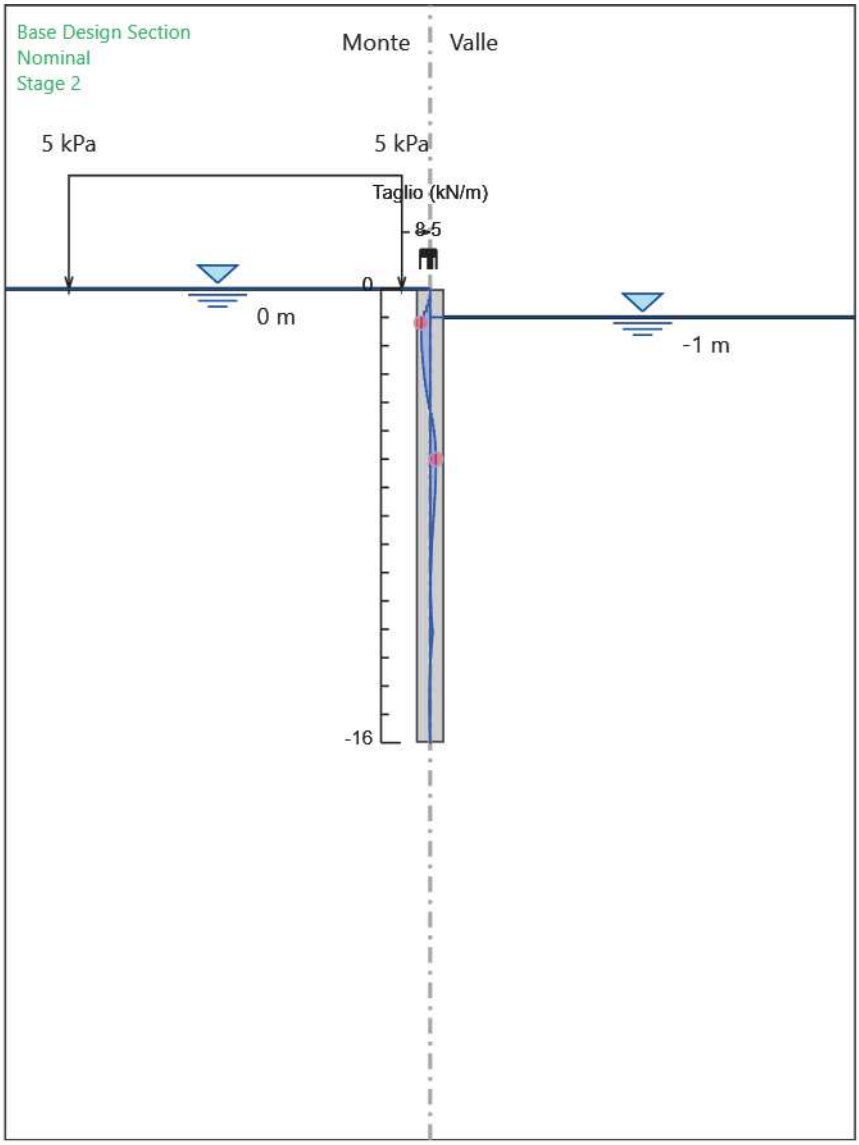
Design Assumption: Nominal
Stage: Stage 7
Momento

Grafico Taglio Nominal - Stage: Stage 1



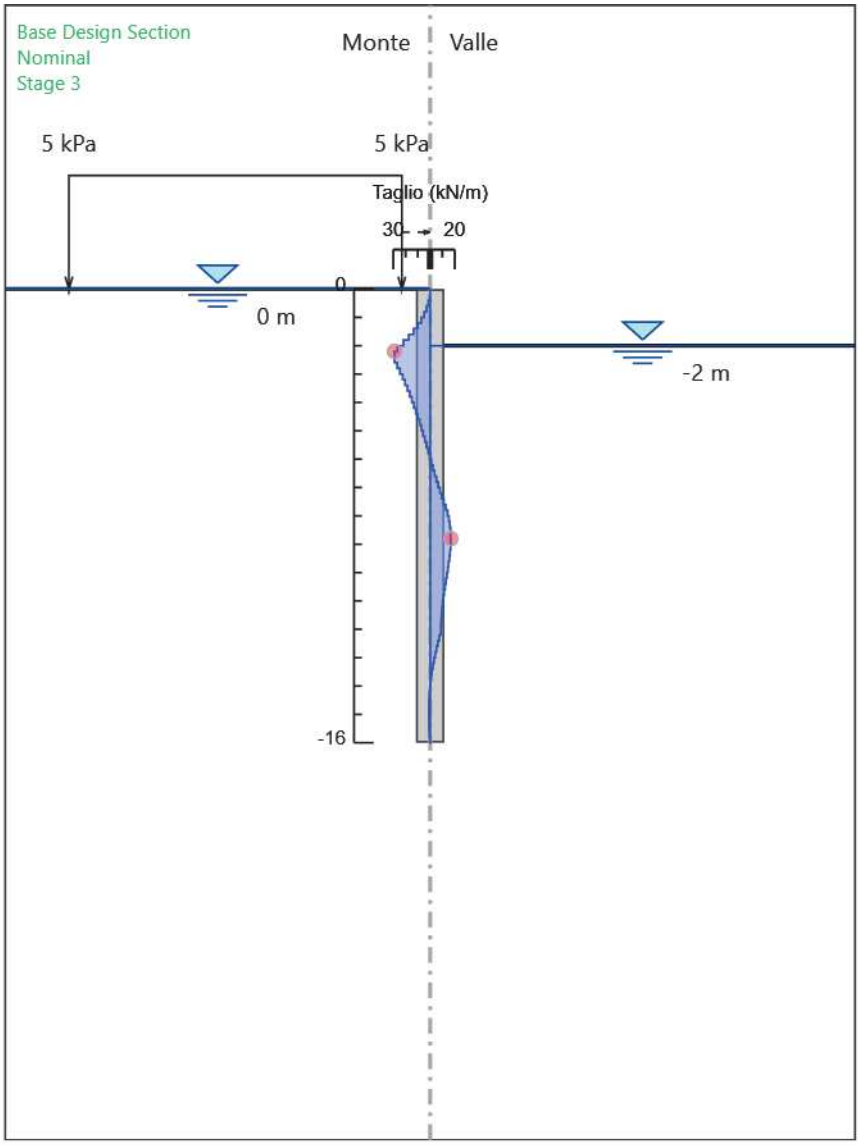
Design Assumption: Nominal
Stage: Stage 1
Taglio

Grafico Taglio Nominal - Stage: Stage 2



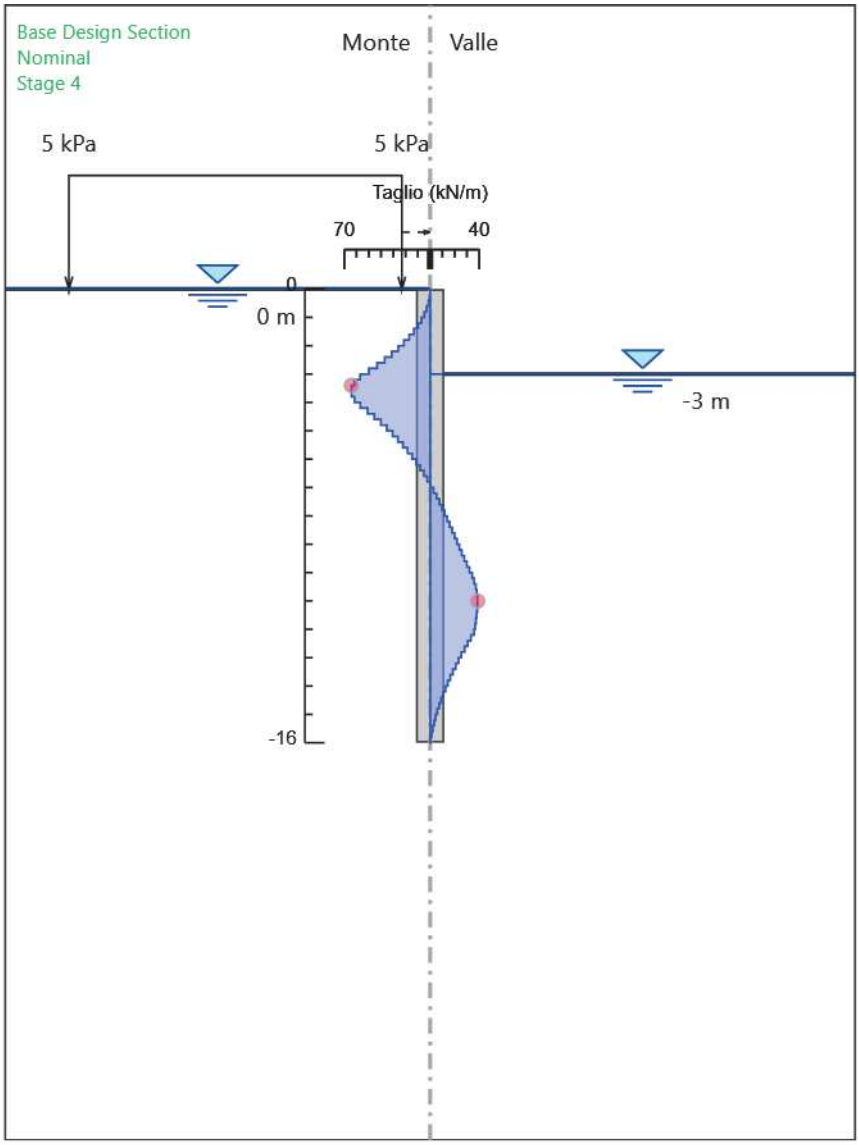
Design Assumption: Nominal
Stage: Stage 2
Taglio

Grafico Taglio Nominal - Stage: Stage 3



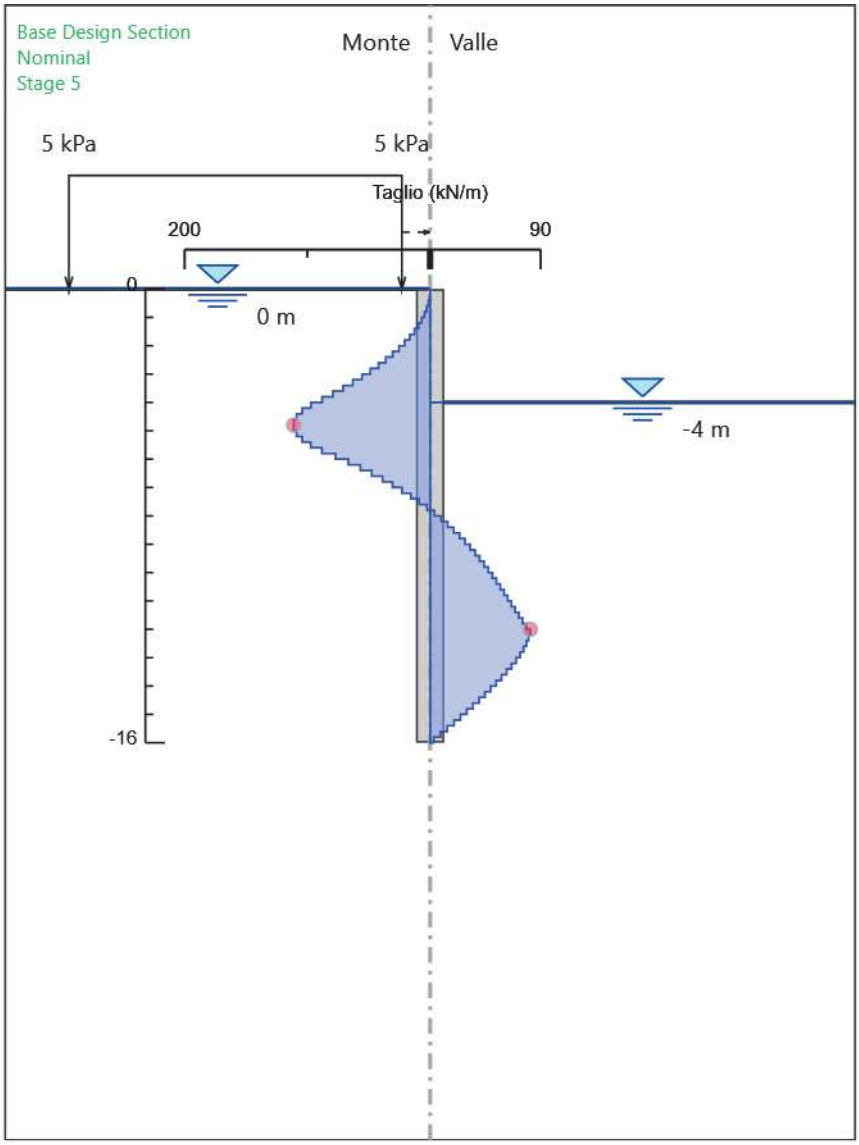
Design Assumption: Nominal
Stage: Stage 3
Taglio

Grafico Taglio Nominal - Stage: Stage 4



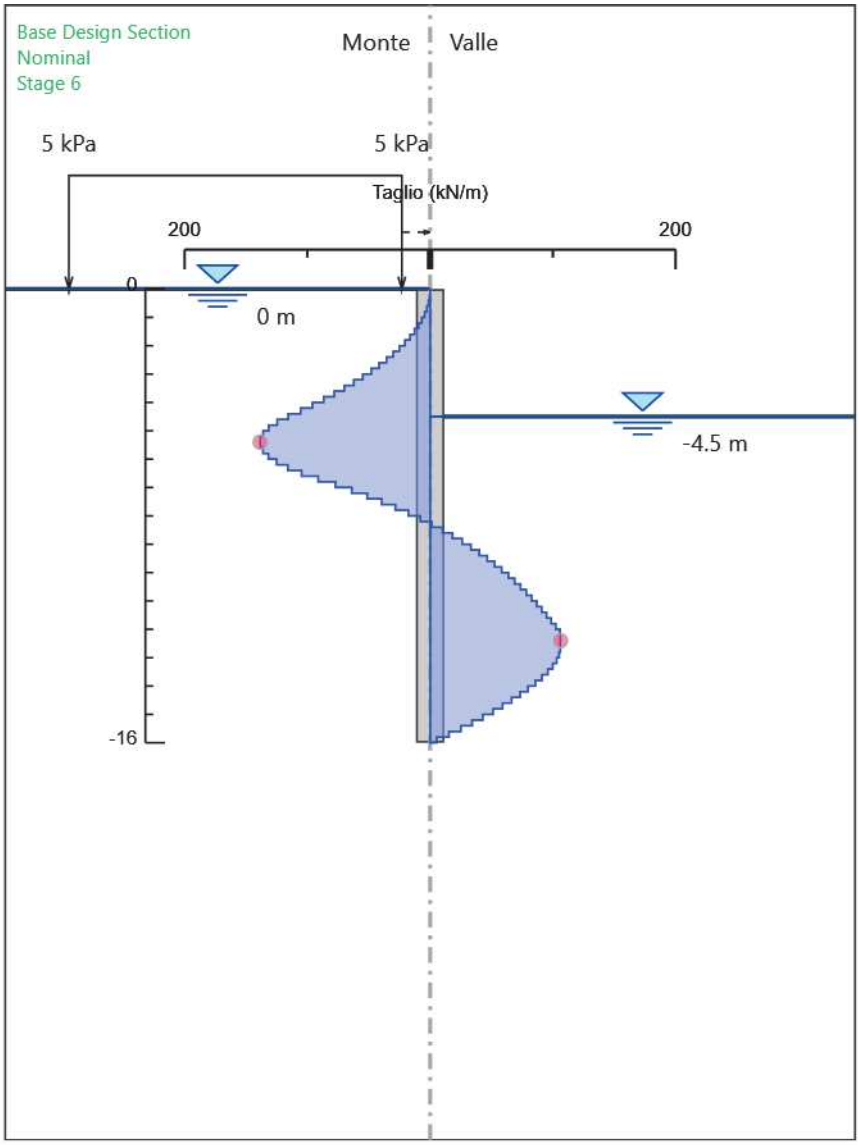
Design Assumption: Nominal
Stage: Stage 4
Taglio

Grafico Taglio Nominal - Stage: Stage 5



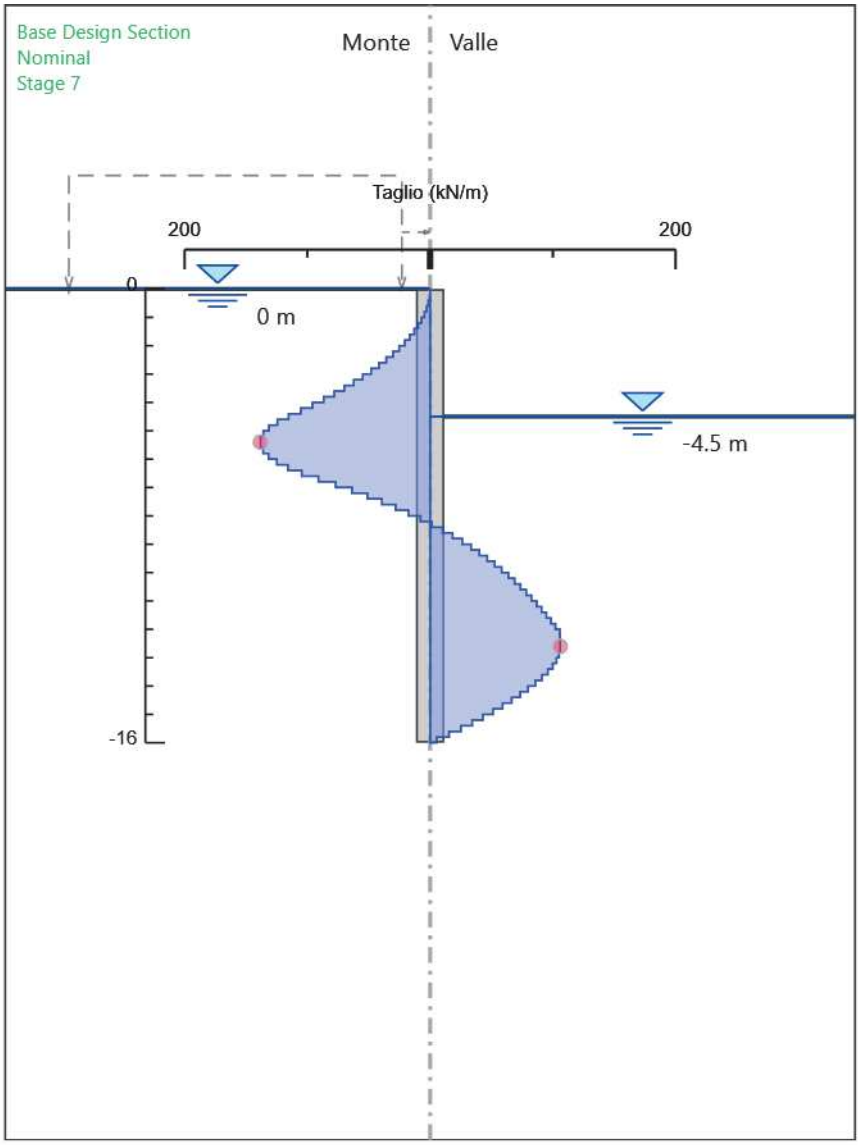
Design Assumption: Nominal
Stage: Stage 5
Taglio

Grafico Taglio Nominal - Stage: Stage 6



Design Assumption: Nominal
Stage: Stage 6
Taglio

Grafico Taglio Nominal - Stage: Stage 7



Design Assumption: Nominal
Stage: Stage 7
Taglio

Inviluppi Risultati Paratia Nominal

Risultati Terreno

Tabella Risultati Terreno Left Wall - Nominal - Stage 1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2.008	1.57	V-C	0.249	6.738	0	2	0	0	3.57
Stage 1	-0.4	4.057	3.055	V-C	0.249	6.738	0	4	0	0	7.055
Stage 1	-0.6	6.158	4.413	V-C	0.249	6.738	0	6	0	0	10.413
Stage 1	-0.8	8.297	5.651	V-C	0.249	6.738	0	8	0	0	13.651
Stage 1	-1	10.454	6.797	V-C	0.249	6.738	0	10	0	0	16.797
Stage 1	-1.2	12.611	7.879	V-C	0.249	6.738	0	12	0	0	19.879
Stage 1	-1.4	14.874	8.919	V-C	0.249	6.738	0	14	0	0	22.919
Stage 1	-1.6	17.176	9.931	V-C	0.249	6.738	0	16	0	0	25.931
Stage 1	-1.8	19.264	10.925	V-C	0.249	6.738	0	18	0	0	28.925
Stage 1	-2	21.485	11.907	V-C	0.249	6.738	0	20	0	0	31.907
Stage 1	-2.2	23.67	12.882	V-C	0.249	6.738	0	22	0	0	34.882
Stage 1	-2.4	25.71	13.851	V-C	0.249	6.738	0	24	0	0	37.851
Stage 1	-2.6	27.856	14.817	V-C	0.249	6.738	0	26	0	0	40.817
Stage 1	-2.8	29.984	15.781	V-C	0.249	6.738	0	28	0	0	43.781
Stage 1	-3	32.097	16.743	V-C	0.249	6.738	0	30	0	0	46.743
Stage 1	-3.2	34.107	17.704	V-C	0.249	6.738	0	32	0	0	49.704
Stage 1	-3.4	36.202	18.665	V-C	0.249	6.738	0	34	0	0	52.665
Stage 1	-3.6	38.287	19.625	V-C	0.249	6.738	0	36	0	0	55.625
Stage 1	-3.8	40.288	20.586	V-C	0.249	6.738	0	38	0	0	58.586
Stage 1	-4	42.362	21.546	V-C	0.249	6.738	0	40	0	0	61.546
Stage 1	-4.2	44.429	22.507	V-C	0.249	6.738	0	42	0	0	64.507
Stage 1	-4.4	46.425	23.469	V-C	0.249	6.738	0	44	0	0	67.469
Stage 1	-4.6	48.485	24.431	V-C	0.249	6.738	0	46	0	0	70.431
Stage 1	-4.8	50.54	25.393	V-C	0.249	6.738	0	48	0	0	73.393
Stage 1	-5	52.59	26.356	V-C	0.249	6.738	0	50	0	0	76.356
Stage 1	-5.2	54.582	27.32	V-C	0.249	6.738	0	52	0	0	79.32
Stage 1	-5.4	56.627	28.284	V-C	0.249	6.738	0	54	0	0	82.284
Stage 1	-5.6	58.67	29.25	V-C	0.249	6.738	0	56	0	0	85.25
Stage 1	-5.8	60.66	30.215	V-C	0.249	6.738	0	58	0	0	88.215
Stage 1	-6	62.699	31.182	V-C	0.249	6.738	0	60	0	0	91.182
Stage 1	-6.2	64.736	32.149	V-C	0.249	6.738	0	62	0	0	94.149
Stage 1	-6.4	66.725	33.118	V-C	0.249	6.738	0	64	0	0	97.118
Stage 1	-6.6	68.759	34.086	V-C	0.249	6.738	0	66	0	0	100.086
Stage 1	-6.8	70.791	35.056	V-C	0.249	6.738	0	68	0	0	103.056
Stage 1	-7	72.821	36.026	V-C	0.249	6.738	0	70	0	0	106.026
Stage 1	-7.2	74.81	36.998	V-C	0.249	6.738	0	72	0	0	108.998
Stage 1	-7.4	76.838	37.97	V-C	0.249	6.738	0	74	0	0	111.97
Stage 1	-7.6	78.865	38.942	V-C	0.249	6.738	0	76	0	0	114.942
Stage 1	-7.8	80.853	39.916	V-C	0.249	6.738	0	78	0	0	117.916
Stage 1	-8	82.878	40.89	V-C	0.249	6.738	0	80	0	0	120.89
Stage 1	-8.2	84.902	41.864	V-C	0.249	6.738	0	82	0	0	123.864
Stage 1	-8.4	86.89	42.84	V-C	0.249	6.738	0	84	0	0	126.84
Stage 1	-8.6	88.913	43.816	V-C	0.249	6.738	0	86	0	0	129.816
Stage 1	-8.8	90.935	44.793	V-C	0.249	6.738	0	88	0	0	132.793
Stage 1	-9	92.956	45.77	V-C	0.249	6.738	0	90	0	0	135.77
Stage 1	-9.2	94.944	46.749	V-C	0.249	6.738	0	92	0	0	138.749
Stage 1	-9.4	96.964	47.727	V-C	0.249	6.738	0	94	0	0	141.727
Stage 1	-9.6	98.982	48.707	V-C	0.249	6.738	0	96	0	0	144.707
Stage 1	-9.8	100.971	49.687	V-C	0.249	6.738	0	98	0	0	147.687
Stage 1	-10	102.989	50.668	V-C	0.249	6.738	0	100	0	0	150.668
Stage 1	-10.2	105.006	51.649	V-C	0.249	6.738	0	102	0	0	153.649
Stage 1	-10.4	106.995	52.63	V-C	0.249	6.738	0	104	0	0	156.63
Stage 1	-10.6	109.012	53.613	V-C	0.249	6.738	0	106	0	0	159.613
Stage 1	-10.8	111.028	54.596	V-C	0.249	6.738	0	108	0	0	162.596

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	-11	113.043	55.579	V-C	0.249	6.738	0	110	0	0	165.579
Stage 1	-11.2	115.032	56.563	V-C	0.249	6.738	0	112	0	0	168.563
Stage 1	-11.4	117.047	57.547	V-C	0.249	6.738	0	114	0	0	171.547
Stage 1	-11.6	119.061	58.532	V-C	0.249	6.738	0	116	0	0	174.532
Stage 1	-11.8	121.05	59.517	V-C	0.249	6.738	0	118	0	0	177.517
Stage 1	-12	123.064	60.503	V-C	0.249	6.738	0	120	0	0	180.503
Stage 1	-12.2	124.878	61.389	V-C	0.39	3.404	5	122	0	0	183.389
Stage 1	-12.4	126.691	62.276	V-C	0.39	3.404	5	124	0	0	186.276
Stage 1	-12.6	128.48	63.163	V-C	0.39	3.404	5	126	0	0	189.163
Stage 1	-12.8	130.27	64.051	V-C	0.39	3.404	5	128	0	0	192.05
Stage 1	-13	132.037	64.938	V-C	0.39	3.404	5	130	0	0	194.938
Stage 1	-13.2	133.805	65.827	V-C	0.39	3.404	5	132	0	0	197.826
Stage 1	-13.4	135.574	66.715	V-C	0.39	3.404	5	134	0	0	200.715
Stage 1	-13.6	137.343	67.604	V-C	0.39	3.404	5	136	0	0	203.604
Stage 1	-13.8	139.113	68.493	V-C	0.39	3.404	5	138	0	0	206.493
Stage 1	-14	140.884	69.383	V-C	0.39	3.404	5	140	0	0	209.383
Stage 1	-14.2	142.655	70.273	V-C	0.39	3.404	5	142	0	0	212.273
Stage 1	-14.4	144.427	71.163	V-C	0.39	3.404	5	144	0	0	215.163
Stage 1	-14.6	146.199	72.054	V-C	0.39	3.404	5	146	0	0	218.054
Stage 1	-14.8	147.972	72.944	V-C	0.39	3.404	5	148	0	0	220.944
Stage 1	-15	149.745	73.836	V-C	0.39	3.404	5	150	0	0	223.835
Stage 1	-15.2	151.519	74.727	V-C	0.39	3.404	5	152	0	0	226.727
Stage 1	-15.4	153.294	75.618	V-C	0.39	3.404	5	154	0	0	229.618
Stage 1	-15.6	155.069	76.51	V-C	0.39	3.404	5	156	0	0	232.51
Stage 1	-15.8	156.844	77.402	V-C	0.39	3.404	5	158	0	0	235.402
Stage 1	-16	158.62	78.295	V-C	0.39	3.404	5	160	0	0	238.295

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)		Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2	1.57	V-C	0.249	6.738	0	2	0	0	3.57
Stage 1	-0.4	4	3.055	V-C	0.249	6.738	0	4	0	0	7.055
Stage 1	-0.6	6	4.413	V-C	0.249	6.738	0	6	0	0	10.413
Stage 1	-0.8	8	5.651	V-C	0.249	6.738	0	8	0	0	13.651
Stage 1	-1	10	6.797	V-C	0.249	6.738	0	10	0	0	16.797
Stage 1	-1.2	12	7.879	V-C	0.249	6.738	0	12	0	0	19.879
Stage 1	-1.4	14	8.919	V-C	0.249	6.738	0	14	0	0	22.919
Stage 1	-1.6	16	9.931	V-C	0.249	6.738	0	16	0	0	25.931
Stage 1	-1.8	18	10.925	V-C	0.249	6.738	0	18	0	0	28.925
Stage 1	-2	20	11.907	V-C	0.249	6.738	0	20	0	0	31.907
Stage 1	-2.2	22	12.882	V-C	0.249	6.738	0	22	0	0	34.882
Stage 1	-2.4	24	13.851	V-C	0.249	6.738	0	24	0	0	37.851
Stage 1	-2.6	26	14.817	V-C	0.249	6.738	0	26	0	0	40.817
Stage 1	-2.8	28	15.781	V-C	0.249	6.738	0	28	0	0	43.781
Stage 1	-3	30	16.743	V-C	0.249	6.738	0	30	0	0	46.743
Stage 1	-3.2	32	17.704	V-C	0.249	6.738	0	32	0	0	49.704
Stage 1	-3.4	34	18.665	V-C	0.249	6.738	0	34	0	0	52.665
Stage 1	-3.6	36	19.625	V-C	0.249	6.738	0	36	0	0	55.625
Stage 1	-3.8	38	20.586	V-C	0.249	6.738	0	38	0	0	58.586
Stage 1	-4	40	21.546	V-C	0.249	6.738	0	40	0	0	61.546
Stage 1	-4.2	42	22.507	V-C	0.249	6.738	0	42	0	0	64.507
Stage 1	-4.4	44	23.469	V-C	0.249	6.738	0	44	0	0	67.469
Stage 1	-4.6	46	24.431	V-C	0.249	6.738	0	46	0	0	70.431
Stage 1	-4.8	48	25.393	V-C	0.249	6.738	0	48	0	0	73.393
Stage 1	-5	50	26.356	V-C	0.249	6.738	0	50	0	0	76.356
Stage 1	-5.2	52	27.32	V-C	0.249	6.738	0	52	0	0	79.32
Stage 1	-5.4	54	28.284	V-C	0.249	6.738	0	54	0	0	82.284
Stage 1	-5.6	56	29.25	V-C	0.249	6.738	0	56	0	0	85.25
Stage 1	-5.8	58	30.215	V-C	0.249	6.738	0	58	0	0	88.215
Stage 1	-6	60	31.182	V-C	0.249	6.738	0	60	0	0	91.182
Stage 1	-6.2	62	32.149	V-C	0.249	6.738	0	62	0	0	94.149
Stage 1	-6.4	64	33.118	V-C	0.249	6.738	0	64	0	0	97.118
Stage 1	-6.6	66	34.086	V-C	0.249	6.738	0	66	0	0	100.086
Stage 1	-6.8	68	35.056	V-C	0.249	6.738	0	68	0	0	103.056
Stage 1	-7	70	36.026	V-C	0.249	6.738	0	70	0	0	106.026
Stage 1	-7.2	72	36.998	V-C	0.249	6.738	0	72	0	0	108.998
Stage 1	-7.4	74	37.97	V-C	0.249	6.738	0	74	0	0	111.97
Stage 1	-7.6	76	38.942	V-C	0.249	6.738	0	76	0	0	114.942
Stage 1	-7.8	78	39.916	V-C	0.249	6.738	0	78	0	0	117.916
Stage 1	-8	80	40.89	V-C	0.249	6.738	0	80	0	0	120.89
Stage 1	-8.2	82	41.864	V-C	0.249	6.738	0	82	0	0	123.864
Stage 1	-8.4	84	42.84	V-C	0.249	6.738	0	84	0	0	126.84
Stage 1	-8.6	86	43.816	V-C	0.249	6.738	0	86	0	0	129.816
Stage 1	-8.8	88	44.793	V-C	0.249	6.738	0	88	0	0	132.793
Stage 1	-9	90	45.77	V-C	0.249	6.738	0	90	0	0	135.77
Stage 1	-9.2	92	46.749	V-C	0.249	6.738	0	92	0	0	138.749
Stage 1	-9.4	94	47.727	V-C	0.249	6.738	0	94	0	0	141.727
Stage 1	-9.6	96	48.707	V-C	0.249	6.738	0	96	0	0	144.707
Stage 1	-9.8	98	49.687	V-C	0.249	6.738	0	98	0	0	147.687
Stage 1	-10	100	50.668	V-C	0.249	6.738	0	100	0	0	150.668
Stage 1	-10.2	102	51.649	V-C	0.249	6.738	0	102	0	0	153.649
Stage 1	-10.4	104	52.63	V-C	0.249	6.738	0	104	0	0	156.63
Stage 1	-10.6	106	53.613	V-C	0.249	6.738	0	106	0	0	159.613
Stage 1	-10.8	108	54.596	V-C	0.249	6.738	0	108	0	0	162.596
Stage 1	-11	110	55.579	V-C	0.249	6.738	0	110	0	0	165.579
Stage 1	-11.2	112	56.563	V-C	0.249	6.738	0	112	0	0	168.563
Stage 1	-11.4	114	57.547	V-C	0.249	6.738	0	114	0	0	171.547
Stage 1	-11.6	116	58.532	V-C	0.249	6.738	0	116	0	0	174.532
Stage 1	-11.8	118	59.517	V-C	0.249	6.738	0	118	0	0	177.517
Stage 1	-12	120	60.503	V-C	0.249	6.738	0	120	0	0	180.503

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	-12.2	121.8	61.389	V-C	0.39	3.404	5	122	0	0	183.389
Stage 1	-12.4	123.6	62.276	V-C	0.39	3.404	5	124	0	0	186.276
Stage 1	-12.6	125.4	63.163	V-C	0.39	3.404	5	126	0	0	189.163
Stage 1	-12.8	127.2	64.051	V-C	0.39	3.404	5	128	0	0	192.05
Stage 1	-13	129	64.938	V-C	0.39	3.404	5	130	0	0	194.938
Stage 1	-13.2	130.8	65.827	V-C	0.39	3.404	5	132	0	0	197.826
Stage 1	-13.4	132.6	66.715	V-C	0.39	3.404	5	134	0	0	200.715
Stage 1	-13.6	134.4	67.604	V-C	0.39	3.404	5	136	0	0	203.604
Stage 1	-13.8	136.2	68.493	V-C	0.39	3.404	5	138	0	0	206.493
Stage 1	-14	138	69.383	V-C	0.39	3.404	5	140	0	0	209.383
Stage 1	-14.2	139.8	70.273	V-C	0.39	3.404	5	142	0	0	212.273
Stage 1	-14.4	141.6	71.163	V-C	0.39	3.404	5	144	0	0	215.163
Stage 1	-14.6	143.4	72.054	V-C	0.39	3.404	5	146	0	0	218.054
Stage 1	-14.8	145.2	72.944	V-C	0.39	3.404	5	148	0	0	220.944
Stage 1	-15	147	73.836	V-C	0.39	3.404	5	150	0	0	223.835
Stage 1	-15.2	148.8	74.727	V-C	0.39	3.404	5	152	0	0	226.727
Stage 1	-15.4	150.6	75.618	V-C	0.39	3.404	5	154	0	0	229.618
Stage 1	-15.6	152.4	76.51	V-C	0.39	3.404	5	156	0	0	232.51
Stage 1	-15.8	154.2	77.402	V-C	0.39	3.404	5	158	0	0	235.402
Stage 1	-16	156	78.295	V-C	0.39	3.404	5	160	0	0	238.295

Tabella Risultati Terreno Left Wall - Nominal - Stage 2

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 2	-0.2	2.073	0.516	ACTIVE	0.249	6.738	0	1.935	0.032	0	2.452
Stage 2	-0.4	4.186	1.042	ACTIVE	0.249	6.738	0	3.871	0.032	0	4.913
Stage 2	-0.6	6.351	1.581	ACTIVE	0.249	6.738	0	5.806	0.032	0	7.388
Stage 2	-0.8	8.555	2.13	ACTIVE	0.249	6.738	0	7.742	0.032	0	9.872
Stage 2	-1	10.776	2.683	ACTIVE	0.249	6.738	0	9.677	0.032	0	12.361
Stage 2	-1.2	12.998	3.236	ACTIVE	0.249	6.738	0	11.613	0.032	0	14.849
Stage 2	-1.4	15.326	3.816	ACTIVE	0.249	6.738	0	13.548	0.032	0	17.365
Stage 2	-1.6	17.692	4.405	ACTIVE	0.249	6.738	0	15.484	0.032	0	19.889
Stage 2	-1.8	19.845	4.941	ACTIVE	0.249	6.738	0	17.419	0.032	0	22.361
Stage 2	-2	22.13	5.51	ACTIVE	0.249	6.738	0	19.355	0.032	0	24.865
Stage 2	-2.2	24.38	6.071	ACTIVE	0.249	6.738	0	21.29	0.032	0	27.361
Stage 2	-2.4	26.484	6.594	ACTIVE	0.249	6.738	0	23.226	0.032	0	29.82
Stage 2	-2.6	28.695	7.145	ACTIVE	0.249	6.738	0	25.161	0.032	0	32.306
Stage 2	-2.8	30.888	7.691	ACTIVE	0.249	6.738	0	27.097	0.032	0	34.788
Stage 2	-3	33.065	8.233	ACTIVE	0.249	6.738	0	29.032	0.032	0	37.265
Stage 2	-3.2	35.14	8.75	ACTIVE	0.249	6.738	0	30.968	0.032	0	39.718
Stage 2	-3.4	37.299	9.287	ACTIVE	0.249	6.738	0	32.903	0.032	0	42.191
Stage 2	-3.6	39.449	9.823	ACTIVE	0.249	6.738	0	34.839	0.032	0	44.661
Stage 2	-3.8	41.514	10.337	ACTIVE	0.249	6.738	0	36.774	0.032	0	47.111
Stage 2	-4	43.652	10.869	ACTIVE	0.249	6.738	0	38.71	0.032	0	49.579
Stage 2	-4.2	45.784	11.4	ACTIVE	0.249	6.738	0	40.645	0.032	0	52.045
Stage 2	-4.4	47.844	11.913	ACTIVE	0.249	6.738	0	42.581	0.032	0	54.494
Stage 2	-4.6	49.969	13.166	UL-RL	0.249	6.738	0	44.516	0.032	0	57.682
Stage 2	-4.8	52.088	15.006	UL-RL	0.249	6.738	0	46.452	0.032	0	61.457
Stage 2	-5	54.203	16.773	UL-RL	0.249	6.738	0	48.387	0.032	0	65.16
Stage 2	-5.2	56.259	18.47	UL-RL	0.249	6.738	0	50.323	0.032	0	68.793
Stage 2	-5.4	58.369	20.099	UL-RL	0.249	6.738	0	52.258	0.032	0	72.358
Stage 2	-5.6	60.477	21.665	UL-RL	0.249	6.738	0	54.194	0.032	0	75.858
Stage 2	-5.8	62.531	23.169	UL-RL	0.249	6.738	0	56.129	0.032	0	79.298
Stage 2	-6	64.635	24.616	UL-RL	0.249	6.738	0	58.065	0.032	0	82.68
Stage 2	-6.2	66.736	26.009	UL-RL	0.249	6.738	0	60	0.032	0	86.009
Stage 2	-6.4	68.79	27.353	UL-RL	0.249	6.738	0	61.935	0.032	0	89.289
Stage 2	-6.6	70.888	28.651	UL-RL	0.249	6.738	0	63.871	0.032	0	92.522
Stage 2	-6.8	72.985	29.908	UL-RL	0.249	6.738	0	65.806	0.032	0	95.714
Stage 2	-7	75.079	31.126	UL-RL	0.249	6.738	0	67.742	0.032	0	98.868
Stage 2	-7.2	77.132	32.309	UL-RL	0.249	6.738	0	69.677	0.032	0	101.986
Stage 2	-7.4	79.225	33.461	UL-RL	0.249	6.738	0	71.613	0.032	0	105.074
Stage 2	-7.6	81.316	34.585	UL-RL	0.249	6.738	0	73.548	0.032	0	108.133
Stage 2	-7.8	83.369	35.683	UL-RL	0.249	6.738	0	75.484	0.032	0	111.167
Stage 2	-8	85.459	36.759	UL-RL	0.249	6.738	0	77.419	0.032	0	114.178
Stage 2	-8.2	87.547	37.814	UL-RL	0.249	6.738	0	79.355	0.032	0	117.169
Stage 2	-8.4	89.6	38.852	UL-RL	0.249	6.738	0	81.29	0.032	0	120.142
Stage 2	-8.6	91.687	39.873	UL-RL	0.249	6.738	0	83.226	0.032	0	123.099
Stage 2	-8.8	93.774	40.88	UL-RL	0.249	6.738	0	85.161	0.032	0	126.042
Stage 2	-9	95.859	41.875	UL-RL	0.249	6.738	0	87.097	0.032	0	128.971
Stage 2	-9.2	97.911	42.857	UL-RL	0.249	6.738	0	89.032	0.032	0	131.89
Stage 2	-9.4	99.996	43.83	UL-RL	0.249	6.738	0	90.968	0.032	0	134.797
Stage 2	-9.6	102.079	44.792	UL-RL	0.249	6.738	0	92.903	0.032	0	137.695
Stage 2	-9.8	104.132	45.746	UL-RL	0.249	6.738	0	94.839	0.032	0	140.585
Stage 2	-10	106.215	46.692	UL-RL	0.249	6.738	0	96.774	0.032	0	143.466
Stage 2	-10.2	108.297	47.63	UL-RL	0.249	6.738	0	98.71	0.032	0	146.339
Stage 2	-10.4	110.35	48.56	UL-RL	0.249	6.738	0	100.645	0.032	0	149.205
Stage 2	-10.6	112.431	49.484	UL-RL	0.249	6.738	0	102.581	0.032	0	152.064
Stage 2	-10.8	114.512	50.401	UL-RL	0.249	6.738	0	104.516	0.032	0	154.917
Stage 2	-11	116.592	51.313	UL-RL	0.249	6.738	0	106.452	0.032	0	157.764
Stage 2	-11.2	118.645	52.218	UL-RL	0.249	6.738	0	108.387	0.032	0	160.605
Stage 2	-11.4	120.724	53.119	UL-RL	0.249	6.738	0	110.322	0.032	0	163.442

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	-11.6	122.803	54.015	UL-RL	0.249	6.738	0	112.258	0.032	0	166.273
Stage 2	-11.8	124.857	54.909	UL-RL	0.249	6.738	0	114.194	0.032	0	169.102
Stage 2	-12	126.935	55.8	UL-RL	0.249	6.738	0	116.129	0.032	0	171.928
Stage 2	-12.2	128.813	60.117	UL-RL	0.39	3.404	5	118.064	0.032	0	178.182
Stage 2	-12.4	130.691	60.975	UL-RL	0.39	3.404	5	120	0.032	0	180.975
Stage 2	-12.6	132.545	61.834	UL-RL	0.39	3.404	5	121.935	0.032	0	183.769
Stage 2	-12.8	134.399	62.695	UL-RL	0.39	3.404	5	123.871	0.032	0	186.565
Stage 2	-13	136.231	63.557	UL-RL	0.39	3.404	5	125.806	0.032	0	189.364
Stage 2	-13.2	138.063	64.422	UL-RL	0.39	3.404	5	127.742	0.032	0	192.164
Stage 2	-13.4	139.896	65.29	UL-RL	0.39	3.404	5	129.677	0.032	0	194.967
Stage 2	-13.6	141.73	66.16	UL-RL	0.39	3.404	5	131.613	0.032	0	197.773
Stage 2	-13.8	143.565	67.033	UL-RL	0.39	3.404	5	133.548	0.032	0	200.581
Stage 2	-14	145.4	67.908	UL-RL	0.39	3.404	5	135.484	0.032	0	203.391
Stage 2	-14.2	147.236	68.785	UL-RL	0.39	3.404	5	137.419	0.032	0	206.204
Stage 2	-14.4	149.072	69.664	UL-RL	0.39	3.404	5	139.355	0.032	0	209.018
Stage 2	-14.6	150.909	70.545	UL-RL	0.39	3.404	5	141.29	0.032	0	211.835
Stage 2	-14.8	152.746	71.427	UL-RL	0.39	3.404	5	143.226	0.032	0	214.653
Stage 2	-15	154.584	72.311	UL-RL	0.39	3.404	5	145.161	0.032	0	217.472
Stage 2	-15.2	156.423	73.195	UL-RL	0.39	3.404	5	147.097	0.032	0	220.292
Stage 2	-15.4	158.262	74.08	UL-RL	0.39	3.404	5	149.032	0.032	0	223.113
Stage 2	-15.6	160.101	74.966	UL-RL	0.39	3.404	5	150.968	0.032	0	225.934
Stage 2	-15.8	161.941	75.853	UL-RL	0.39	3.404	5	152.903	0.032	0	228.756
Stage 2	-16	163.781	76.739	UL-RL	0.39	3.404	5	154.839	0.032	0	231.578

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-1	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 2	-1.2	1.935	12.722	V-C	0.249	6.738	0	2.065	0.032	0	14.786
Stage 2	-1.4	3.871	13.554	V-C	0.249	6.738	0	4.129	0.032	0	17.683
Stage 2	-1.6	5.806	14.317	V-C	0.249	6.738	0	6.194	0.032	0	20.51
Stage 2	-1.8	7.742	15.048	V-C	0.249	6.738	0	8.258	0.032	0	23.306
Stage 2	-2	9.677	15.763	V-C	0.249	6.738	0	10.323	0.032	0	26.085
Stage 2	-2.2	11.613	16.47	V-C	0.249	6.738	0	12.387	0.032	0	28.857
Stage 2	-2.4	13.548	17.175	V-C	0.249	6.738	0	14.452	0.032	0	31.626
Stage 2	-2.6	15.484	17.882	V-C	0.249	6.738	0	16.516	0.032	0	34.398
Stage 2	-2.8	17.419	18.593	V-C	0.249	6.738	0	18.581	0.032	0	37.173
Stage 2	-3	19.355	19.311	V-C	0.249	6.738	0	20.645	0.032	0	39.956
Stage 2	-3.2	21.29	20.037	V-C	0.249	6.738	0	22.71	0.032	0	42.746
Stage 2	-3.4	23.226	20.772	V-C	0.249	6.738	0	24.774	0.032	0	45.546
Stage 2	-3.6	25.161	21.518	V-C	0.249	6.738	0	26.839	0.032	0	48.357
Stage 2	-3.8	27.097	22.275	V-C	0.249	6.738	0	28.903	0.032	0	51.178
Stage 2	-4	29.032	23.044	V-C	0.249	6.738	0	30.968	0.032	0	54.012
Stage 2	-4.2	30.968	23.825	V-C	0.249	6.738	0	33.032	0.032	0	56.857
Stage 2	-4.4	32.903	24.619	V-C	0.249	6.738	0	35.097	0.032	0	59.716
Stage 2	-4.6	34.839	25.426	V-C	0.249	6.738	0	37.161	0.032	0	62.587
Stage 2	-4.8	36.774	26.245	V-C	0.249	6.738	0	39.226	0.032	0	65.471
Stage 2	-5	38.71	27.077	V-C	0.249	6.738	0	41.29	0.032	0	68.367
Stage 2	-5.2	40.645	27.921	V-C	0.249	6.738	0	43.355	0.032	0	71.276
Stage 2	-5.4	42.581	28.777	V-C	0.249	6.738	0	45.419	0.032	0	74.196
Stage 2	-5.6	44.516	29.644	V-C	0.249	6.738	0	47.484	0.032	0	77.128
Stage 2	-5.8	46.452	30.522	V-C	0.249	6.738	0	49.548	0.032	0	80.071
Stage 2	-6	48.387	31.411	V-C	0.249	6.738	0	51.613	0.032	0	83.024
Stage 2	-6.2	50.323	32.309	V-C	0.249	6.738	0	53.677	0.032	0	85.986
Stage 2	-6.4	52.258	33.216	V-C	0.249	6.738	0	55.742	0.032	0	88.958
Stage 2	-6.6	54.194	34.066	UL-RL	0.249	6.738	0	57.806	0.032	0	91.872
Stage 2	-6.8	56.129	34.925	UL-RL	0.249	6.738	0	59.871	0.032	0	94.796
Stage 2	-7	58.064	35.803	UL-RL	0.249	6.738	0	61.935	0.032	0	97.739
Stage 2	-7.2	60	36.699	UL-RL	0.249	6.738	0	64	0.032	0	100.699
Stage 2	-7.4	61.935	37.611	UL-RL	0.249	6.738	0	66.064	0.032	0	103.675
Stage 2	-7.6	63.871	38.536	UL-RL	0.249	6.738	0	68.129	0.032	0	106.665
Stage 2	-7.8	65.806	39.467	UL-RL	0.249	6.738	0	70.194	0.032	0	109.661
Stage 2	-8	67.742	40.393	UL-RL	0.249	6.738	0	72.258	0.032	0	112.651
Stage 2	-8.2	69.677	41.33	UL-RL	0.249	6.738	0	74.323	0.032	0	115.652
Stage 2	-8.4	71.613	42.276	UL-RL	0.249	6.738	0	76.387	0.032	0	118.663
Stage 2	-8.6	73.548	43.231	UL-RL	0.249	6.738	0	78.452	0.032	0	121.683
Stage 2	-8.8	75.484	44.195	UL-RL	0.249	6.738	0	80.516	0.032	0	124.711
Stage 2	-9	77.419	45.166	UL-RL	0.249	6.738	0	82.581	0.032	0	127.746
Stage 2	-9.2	79.355	46.143	UL-RL	0.249	6.738	0	84.645	0.032	0	130.788
Stage 2	-9.4	81.29	47.126	UL-RL	0.249	6.738	0	86.71	0.032	0	133.836
Stage 2	-9.6	83.226	48.115	UL-RL	0.249	6.738	0	88.774	0.032	0	136.89
Stage 2	-9.8	85.161	49.11	UL-RL	0.249	6.738	0	90.839	0.032	0	139.948
Stage 2	-10	87.097	50.109	UL-RL	0.249	6.738	0	92.903	0.032	0	143.012
Stage 2	-10.2	89.032	51.113	UL-RL	0.249	6.738	0	94.968	0.032	0	146.08
Stage 2	-10.4	90.968	52.121	UL-RL	0.249	6.738	0	97.032	0.032	0	149.153
Stage 2	-10.6	92.903	53.133	UL-RL	0.249	6.738	0	99.097	0.032	0	152.23
Stage 2	-10.8	94.839	54.15	UL-RL	0.249	6.738	0	101.161	0.032	0	155.311
Stage 2	-11	96.774	55.17	UL-RL	0.249	6.738	0	103.226	0.032	0	158.396
Stage 2	-11.2	98.71	56.194	UL-RL	0.249	6.738	0	105.29	0.032	0	161.484
Stage 2	-11.4	100.645	57.22	UL-RL	0.249	6.738	0	107.355	0.032	0	164.575
Stage 2	-11.6	102.581	58.25	UL-RL	0.249	6.738	0	109.419	0.032	0	167.669
Stage 2	-11.8	104.516	59.282	UL-RL	0.249	6.738	0	111.484	0.032	0	170.766
Stage 2	-12	106.452	60.316	UL-RL	0.249	6.738	0	113.548	0.032	0	173.864

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	-12.2	108.187	60.415	UL-RL	0.39	3.404	5	115.613	0.032	0	176.028
Stage 2	-12.4	109.922	61.334	UL-RL	0.39	3.404	5	117.677	0.032	0	179.012
Stage 2	-12.6	111.658	62.253	UL-RL	0.39	3.404	5	119.742	0.032	0	181.995
Stage 2	-12.8	113.394	63.171	UL-RL	0.39	3.404	5	121.806	0.032	0	184.977
Stage 2	-13	115.129	64.088	UL-RL	0.39	3.404	5	123.871	0.032	0	187.959
Stage 2	-13.2	116.864	65.004	UL-RL	0.39	3.404	5	125.935	0.032	0	190.939
Stage 2	-13.4	118.6	65.918	UL-RL	0.39	3.404	5	128	0.032	0	193.918
Stage 2	-13.6	120.335	66.832	UL-RL	0.39	3.404	5	130.064	0.032	0	196.896
Stage 2	-13.8	122.071	67.743	UL-RL	0.39	3.404	5	132.129	0.032	0	199.872
Stage 2	-14	123.806	68.654	UL-RL	0.39	3.404	5	134.194	0.032	0	202.847
Stage 2	-14.2	125.542	69.563	UL-RL	0.39	3.404	5	136.258	0.032	0	205.821
Stage 2	-14.4	127.277	70.472	UL-RL	0.39	3.404	5	138.322	0.032	0	208.794
Stage 2	-14.6	129.013	71.379	UL-RL	0.39	3.404	5	140.387	0.032	0	211.766
Stage 2	-14.8	130.748	72.286	UL-RL	0.39	3.404	5	142.452	0.032	0	214.738
Stage 2	-15	132.484	73.192	UL-RL	0.39	3.404	5	144.516	0.032	0	217.708
Stage 2	-15.2	134.219	74.098	UL-RL	0.39	3.404	5	146.58	0.032	0	220.679
Stage 2	-15.4	135.955	75.004	UL-RL	0.39	3.404	5	148.645	0.032	0	223.649
Stage 2	-15.6	137.69	75.91	UL-RL	0.39	3.404	5	150.71	0.032	0	226.62
Stage 2	-15.8	139.426	76.816	UL-RL	0.39	3.404	5	152.774	0.032	0	229.59
Stage 2	-16	141.161	77.723	UL-RL	0.39	3.404	5	154.839	0.032	0	232.561

Tabella Risultati Terreno Left Wall - Nominal - Stage 3

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 3	-0.2	2.141	0.533	ACTIVE	0.249	6.738	0	1.867	0.067	0	2.4
Stage 3	-0.4	4.323	1.077	ACTIVE	0.249	6.738	0	3.733	0.067	0	4.81
Stage 3	-0.6	6.558	1.633	ACTIVE	0.249	6.738	0	5.6	0.067	0	7.233
Stage 3	-0.8	8.831	2.199	ACTIVE	0.249	6.738	0	7.467	0.067	0	9.665
Stage 3	-1	11.12	2.769	ACTIVE	0.249	6.738	0	9.333	0.067	0	12.102
Stage 3	-1.2	13.411	3.339	ACTIVE	0.249	6.738	0	11.2	0.067	0	14.539
Stage 3	-1.4	15.808	3.936	ACTIVE	0.249	6.738	0	13.067	0.067	0	17.003
Stage 3	-1.6	18.243	4.542	ACTIVE	0.249	6.738	0	14.933	0.067	0	19.476
Stage 3	-1.8	20.464	5.096	ACTIVE	0.249	6.738	0	16.8	0.067	0	21.896
Stage 3	-2	22.818	5.682	ACTIVE	0.249	6.738	0	18.667	0.067	0	24.348
Stage 3	-2.2	25.137	6.259	ACTIVE	0.249	6.738	0	20.533	0.067	0	26.792
Stage 3	-2.4	27.31	6.8	ACTIVE	0.249	6.738	0	22.4	0.067	0	29.2
Stage 3	-2.6	29.59	7.368	ACTIVE	0.249	6.738	0	24.267	0.067	0	31.634
Stage 3	-2.8	31.851	7.931	ACTIVE	0.249	6.738	0	26.133	0.067	0	34.064
Stage 3	-3	34.097	8.49	ACTIVE	0.249	6.738	0	28	0.067	0	36.49
Stage 3	-3.2	36.241	9.024	ACTIVE	0.249	6.738	0	29.867	0.067	0	38.891
Stage 3	-3.4	38.469	9.579	ACTIVE	0.249	6.738	0	31.733	0.067	0	41.312
Stage 3	-3.6	40.687	10.131	ACTIVE	0.249	6.738	0	33.6	0.067	0	43.731
Stage 3	-3.8	42.822	10.663	ACTIVE	0.249	6.738	0	35.467	0.067	0	46.129
Stage 3	-4	45.029	11.212	ACTIVE	0.249	6.738	0	37.333	0.067	0	48.546
Stage 3	-4.2	47.229	11.76	ACTIVE	0.249	6.738	0	39.2	0.067	0	50.96
Stage 3	-4.4	49.358	12.29	ACTIVE	0.249	6.738	0	41.067	0.067	0	53.357
Stage 3	-4.6	51.551	12.836	ACTIVE	0.249	6.738	0	42.933	0.067	0	55.77
Stage 3	-4.8	53.74	13.381	ACTIVE	0.249	6.738	0	44.8	0.067	0	58.181
Stage 3	-5	55.924	13.925	ACTIVE	0.249	6.738	0	46.667	0.067	0	60.592
Stage 3	-5.2	58.048	14.454	ACTIVE	0.249	6.738	0	48.533	0.067	0	62.987
Stage 3	-5.4	60.227	14.997	ACTIVE	0.249	6.738	0	50.4	0.067	0	65.397
Stage 3	-5.6	62.404	15.538	ACTIVE	0.249	6.738	0	52.267	0.067	0	67.805
Stage 3	-5.8	64.527	16.067	ACTIVE	0.249	6.738	0	54.133	0.067	0	70.2
Stage 3	-6	66.699	16.608	ACTIVE	0.249	6.738	0	56	0.067	0	72.608
Stage 3	-6.2	68.869	17.148	ACTIVE	0.249	6.738	0	57.867	0.067	0	75.015
Stage 3	-6.4	70.992	17.677	ACTIVE	0.249	6.738	0	59.733	0.067	0	77.41
Stage 3	-6.6	73.159	18.217	ACTIVE	0.249	6.738	0	61.6	0.067	0	79.817
Stage 3	-6.8	75.324	18.756	ACTIVE	0.249	6.738	0	63.467	0.067	0	82.222
Stage 3	-7	77.488	19.295	ACTIVE	0.249	6.738	0	65.333	0.067	0	84.628
Stage 3	-7.2	79.61	19.823	ACTIVE	0.249	6.738	0	67.2	0.067	0	87.023
Stage 3	-7.4	81.771	20.361	ACTIVE	0.249	6.738	0	69.067	0.067	0	89.428
Stage 3	-7.6	83.931	20.899	ACTIVE	0.249	6.738	0	70.933	0.067	0	91.832
Stage 3	-7.8	86.053	22.799	UL-RL	0.249	6.738	0	72.8	0.067	0	95.599
Stage 3	-8	88.211	25.581	UL-RL	0.249	6.738	0	74.667	0.067	0	100.248
Stage 3	-8.2	90.369	28.167	UL-RL	0.249	6.738	0	76.533	0.067	0	104.7
Stage 3	-8.4	92.49	30.567	UL-RL	0.249	6.738	0	78.4	0.067	0	108.966
Stage 3	-8.6	94.646	32.791	UL-RL	0.249	6.738	0	80.267	0.067	0	113.057
Stage 3	-8.8	96.801	34.851	UL-RL	0.249	6.738	0	82.133	0.067	0	116.984
Stage 3	-9	98.956	36.757	UL-RL	0.249	6.738	0	84	0.067	0	120.757
Stage 3	-9.2	101.077	38.521	UL-RL	0.249	6.738	0	85.867	0.067	0	124.387
Stage 3	-9.4	103.23	40.153	UL-RL	0.249	6.738	0	87.733	0.067	0	127.886
Stage 3	-9.6	105.382	41.664	UL-RL	0.249	6.738	0	89.6	0.067	0	131.264
Stage 3	-9.8	107.504	43.065	UL-RL	0.249	6.738	0	91.467	0.067	0	134.532
Stage 3	-10	109.656	44.365	UL-RL	0.249	6.738	0	93.333	0.067	0	137.698
Stage 3	-10.2	111.806	45.573	UL-RL	0.249	6.738	0	95.2	0.067	0	140.773
Stage 3	-10.4	113.928	46.698	UL-RL	0.249	6.738	0	97.067	0.067	0	143.765
Stage 3	-10.6	116.078	47.749	UL-RL	0.249	6.738	0	98.933	0.067	0	146.683
Stage 3	-10.8	118.228	48.734	UL-RL	0.249	6.738	0	100.8	0.067	0	149.534
Stage 3	-11	120.376	49.66	UL-RL	0.249	6.738	0	102.667	0.067	0	152.326
Stage 3	-11.2	122.499	50.533	UL-RL	0.249	6.738	0	104.533	0.067	0	155.067
Stage 3	-11.4	124.647	51.362	UL-RL	0.249	6.738	0	106.4	0.067	0	157.762

Design Assumption: Nominal		Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)	
Stage 3	-11.6	126.795	52.151	UL-RL	0.249	6.738	0	108.267	0.067	0	160.418	
Stage 3	-11.8	128.917	52.908	UL-RL	0.249	6.738	0	110.133	0.067	0	163.041	
Stage 3	-12	131.064	53.638	UL-RL	0.249	6.738	0	112	0.067	0	165.638	
Stage 3	-12.2	133.011	60.09	UL-RL	0.39	3.404	5	113.867	0.067	0	173.957	
Stage 3	-12.4	134.958	60.872	UL-RL	0.39	3.404	5	115.733	0.067	0	176.605	
Stage 3	-12.6	136.88	61.649	UL-RL	0.39	3.404	5	117.6	0.067	0	179.249	
Stage 3	-12.8	138.803	62.423	UL-RL	0.39	3.404	5	119.467	0.067	0	181.89	
Stage 3	-13	140.704	63.197	UL-RL	0.39	3.404	5	121.333	0.067	0	184.531	
Stage 3	-13.2	142.605	63.972	UL-RL	0.39	3.404	5	123.2	0.067	0	187.172	
Stage 3	-13.4	144.507	64.748	UL-RL	0.39	3.404	5	125.067	0.067	0	189.814	
Stage 3	-13.6	146.41	65.526	UL-RL	0.39	3.404	5	126.933	0.067	0	192.459	
Stage 3	-13.8	148.313	66.307	UL-RL	0.39	3.404	5	128.8	0.067	0	195.106	
Stage 3	-14	150.217	67.09	UL-RL	0.39	3.404	5	130.667	0.067	0	197.757	
Stage 3	-14.2	152.122	67.877	UL-RL	0.39	3.404	5	132.533	0.067	0	200.41	
Stage 3	-14.4	154.027	68.666	UL-RL	0.39	3.404	5	134.4	0.067	0	203.066	
Stage 3	-14.6	155.932	69.459	UL-RL	0.39	3.404	5	136.267	0.067	0	205.725	
Stage 3	-14.8	157.839	70.253	UL-RL	0.39	3.404	5	138.133	0.067	0	208.386	
Stage 3	-15	159.745	71.05	UL-RL	0.39	3.404	5	140	0.067	0	211.049	
Stage 3	-15.2	161.653	71.848	UL-RL	0.39	3.404	5	141.867	0.067	0	213.714	
Stage 3	-15.4	163.56	72.647	UL-RL	0.39	3.404	5	143.733	0.067	0	216.38	
Stage 3	-15.6	165.469	73.447	UL-RL	0.39	3.404	5	145.6	0.067	0	219.047	
Stage 3	-15.8	167.377	74.247	UL-RL	0.39	3.404	5	147.467	0.067	0	221.714	
Stage 3	-16	169.287	75.048	UL-RL	0.39	3.404	5	149.333	0.067	0	224.382	

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-2	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 3	-2.2	1.867	12.578	PASSIVE	0.249	6.738	0	2.133	0.067	0	14.711
Stage 3	-2.4	3.733	25.155	PASSIVE	0.249	6.738	0	4.267	0.067	0	29.422
Stage 3	-2.6	5.6	36.8	V-C	0.249	6.738	0	6.4	0.067	0	43.2
Stage 3	-2.8	7.467	36.586	V-C	0.249	6.738	0	8.533	0.067	0	45.119
Stage 3	-3	9.333	36.373	V-C	0.249	6.738	0	10.667	0.067	0	47.04
Stage 3	-3.2	11.2	36.171	V-C	0.249	6.738	0	12.8	0.067	0	48.971
Stage 3	-3.4	13.067	35.988	V-C	0.249	6.738	0	14.933	0.067	0	50.921
Stage 3	-3.6	14.933	35.828	V-C	0.249	6.738	0	17.067	0.067	0	52.894
Stage 3	-3.8	16.8	35.695	V-C	0.249	6.738	0	19.2	0.067	0	54.895
Stage 3	-4	18.667	35.592	V-C	0.249	6.738	0	21.333	0.067	0	56.926
Stage 3	-4.2	20.533	35.522	V-C	0.249	6.738	0	23.467	0.067	0	58.989
Stage 3	-4.4	22.4	35.487	V-C	0.249	6.738	0	25.6	0.067	0	61.087
Stage 3	-4.6	24.267	35.489	V-C	0.249	6.738	0	27.733	0.067	0	63.222
Stage 3	-4.8	26.133	35.529	V-C	0.249	6.738	0	29.867	0.067	0	65.396
Stage 3	-5	28	35.608	V-C	0.249	6.738	0	32	0.067	0	67.608
Stage 3	-5.2	29.867	35.727	V-C	0.249	6.738	0	34.133	0.067	0	69.86
Stage 3	-5.4	31.733	35.887	V-C	0.249	6.738	0	36.267	0.067	0	72.154
Stage 3	-5.6	33.6	36.088	V-C	0.249	6.738	0	38.4	0.067	0	74.488
Stage 3	-5.8	35.467	36.332	V-C	0.249	6.738	0	40.533	0.067	0	76.865
Stage 3	-6	37.333	36.616	V-C	0.249	6.738	0	42.667	0.067	0	79.283
Stage 3	-6.2	39.2	36.943	V-C	0.249	6.738	0	44.8	0.067	0	81.743
Stage 3	-6.4	41.067	37.312	V-C	0.249	6.738	0	46.933	0.067	0	84.245
Stage 3	-6.6	42.933	37.722	V-C	0.249	6.738	0	49.067	0.067	0	86.788
Stage 3	-6.8	44.8	38.173	V-C	0.249	6.738	0	51.2	0.067	0	89.373
Stage 3	-7	46.667	38.664	V-C	0.249	6.738	0	53.333	0.067	0	91.997
Stage 3	-7.2	48.533	39.194	V-C	0.249	6.738	0	55.467	0.067	0	94.661
Stage 3	-7.4	50.4	39.764	V-C	0.249	6.738	0	57.6	0.067	0	97.364
Stage 3	-7.6	52.267	40.37	V-C	0.249	6.738	0	59.733	0.067	0	100.104
Stage 3	-7.8	54.133	41.013	V-C	0.249	6.738	0	61.867	0.067	0	102.88
Stage 3	-8	56	41.691	V-C	0.249	6.738	0	64	0.067	0	105.691
Stage 3	-8.2	57.867	42.401	V-C	0.249	6.738	0	66.133	0.067	0	108.535
Stage 3	-8.4	59.733	43.144	V-C	0.249	6.738	0	68.267	0.067	0	111.41
Stage 3	-8.6	61.6	43.916	V-C	0.249	6.738	0	70.4	0.067	0	114.316
Stage 3	-8.8	63.467	44.561	UL-RL	0.249	6.738	0	72.533	0.067	0	117.094
Stage 3	-9	65.333	45.084	UL-RL	0.249	6.738	0	74.667	0.067	0	119.75
Stage 3	-9.2	67.2	45.678	UL-RL	0.249	6.738	0	76.8	0.067	0	122.478
Stage 3	-9.4	69.067	46.338	UL-RL	0.249	6.738	0	78.933	0.067	0	125.272
Stage 3	-9.6	70.933	47.059	UL-RL	0.249	6.738	0	81.067	0.067	0	128.126
Stage 3	-9.8	72.8	47.836	UL-RL	0.249	6.738	0	83.2	0.067	0	131.036
Stage 3	-10	74.667	48.663	UL-RL	0.249	6.738	0	85.333	0.067	0	133.996
Stage 3	-10.2	76.533	49.537	UL-RL	0.249	6.738	0	87.467	0.067	0	137.003
Stage 3	-10.4	78.4	50.452	UL-RL	0.249	6.738	0	89.6	0.067	0	140.052
Stage 3	-10.6	80.267	51.405	UL-RL	0.249	6.738	0	91.733	0.067	0	143.138
Stage 3	-10.8	82.133	52.391	UL-RL	0.249	6.738	0	93.867	0.067	0	146.258
Stage 3	-11	84	53.407	UL-RL	0.249	6.738	0	96	0.067	0	149.407
Stage 3	-11.2	85.867	54.45	UL-RL	0.249	6.738	0	98.133	0.067	0	152.583
Stage 3	-11.4	87.733	55.516	UL-RL	0.249	6.738	0	100.267	0.067	0	155.782
Stage 3	-11.6	89.6	56.601	UL-RL	0.249	6.738	0	102.4	0.067	0	159.001
Stage 3	-11.8	91.467	57.704	UL-RL	0.249	6.738	0	104.533	0.067	0	162.237
Stage 3	-12	93.333	58.82	UL-RL	0.249	6.738	0	106.667	0.067	0	165.487

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	-12.2	95	58.464	UL-RL	0.39	3.404	5	108.8	0.067	0	167.264
Stage 3	-12.4	96.667	59.454	UL-RL	0.39	3.404	5	110.933	0.067	0	170.387
Stage 3	-12.6	98.333	60.448	UL-RL	0.39	3.404	5	113.067	0.067	0	173.515
Stage 3	-12.8	100	61.445	UL-RL	0.39	3.404	5	115.2	0.067	0	176.645
Stage 3	-13	101.667	62.442	UL-RL	0.39	3.404	5	117.333	0.067	0	179.776
Stage 3	-13.2	103.333	63.44	UL-RL	0.39	3.404	5	119.467	0.067	0	182.907
Stage 3	-13.4	105	64.438	UL-RL	0.39	3.404	5	121.6	0.067	0	186.038
Stage 3	-13.6	106.667	65.434	UL-RL	0.39	3.404	5	123.733	0.067	0	189.167
Stage 3	-13.8	108.333	66.428	UL-RL	0.39	3.404	5	125.867	0.067	0	192.295
Stage 3	-14	110	67.421	UL-RL	0.39	3.404	5	128	0.067	0	195.421
Stage 3	-14.2	111.667	68.412	UL-RL	0.39	3.404	5	130.133	0.067	0	198.546
Stage 3	-14.4	113.333	69.402	UL-RL	0.39	3.404	5	132.267	0.067	0	201.668
Stage 3	-14.6	115	70.389	UL-RL	0.39	3.404	5	134.4	0.067	0	204.789
Stage 3	-14.8	116.667	71.376	UL-RL	0.39	3.404	5	136.533	0.067	0	207.909
Stage 3	-15	118.333	72.361	UL-RL	0.39	3.404	5	138.667	0.067	0	211.027
Stage 3	-15.2	120	73.345	UL-RL	0.39	3.404	5	140.8	0.067	0	214.145
Stage 3	-15.4	121.667	74.329	UL-RL	0.39	3.404	5	142.933	0.067	0	217.262
Stage 3	-15.6	123.333	75.313	UL-RL	0.39	3.404	5	145.067	0.067	0	220.379
Stage 3	-15.8	125	76.296	UL-RL	0.39	3.404	5	147.2	0.067	0	223.496
Stage 3	-16	126.667	77.28	UL-RL	0.39	3.404	5	149.333	0.067	0	226.614

Tabella Risultati Terreno Left Wall - Nominal - Stage 4

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 4	-0.2	2.215	0.552	ACTIVE	0.249	6.738	0	1.793	0.103	0	2.345
Stage 4	-0.4	4.471	1.113	ACTIVE	0.249	6.738	0	3.586	0.103	0	4.699
Stage 4	-0.6	6.779	1.688	ACTIVE	0.249	6.738	0	5.379	0.103	0	7.067
Stage 4	-0.8	9.125	2.272	ACTIVE	0.249	6.738	0	7.172	0.103	0	9.444
Stage 4	-1	11.488	2.861	ACTIVE	0.249	6.738	0	8.966	0.103	0	11.826
Stage 4	-1.2	13.852	3.449	ACTIVE	0.249	6.738	0	10.759	0.103	0	14.208
Stage 4	-1.4	16.323	4.064	ACTIVE	0.249	6.738	0	12.552	0.103	0	16.616
Stage 4	-1.6	18.831	4.689	ACTIVE	0.249	6.738	0	14.345	0.103	0	19.034
Stage 4	-1.8	21.126	5.26	ACTIVE	0.249	6.738	0	16.138	0.103	0	21.398
Stage 4	-2	23.554	5.865	ACTIVE	0.249	6.738	0	17.931	0.103	0	23.796
Stage 4	-2.2	25.946	6.461	ACTIVE	0.249	6.738	0	19.724	0.103	0	26.185
Stage 4	-2.4	28.192	7.02	ACTIVE	0.249	6.738	0	21.517	0.103	0	28.537
Stage 4	-2.6	30.546	7.606	ACTIVE	0.249	6.738	0	23.31	0.103	0	30.916
Stage 4	-2.8	32.881	8.187	ACTIVE	0.249	6.738	0	25.103	0.103	0	33.291
Stage 4	-3	35.2	8.765	ACTIVE	0.249	6.738	0	26.897	0.103	0	35.661
Stage 4	-3.2	37.418	9.317	ACTIVE	0.249	6.738	0	28.69	0.103	0	38.007
Stage 4	-3.4	39.719	9.89	ACTIVE	0.249	6.738	0	30.483	0.103	0	40.373
Stage 4	-3.6	42.011	10.461	ACTIVE	0.249	6.738	0	32.276	0.103	0	42.737
Stage 4	-3.8	44.219	11.011	ACTIVE	0.249	6.738	0	34.069	0.103	0	45.08
Stage 4	-4	46.5	11.579	ACTIVE	0.249	6.738	0	35.862	0.103	0	47.441
Stage 4	-4.2	48.774	12.145	ACTIVE	0.249	6.738	0	37.655	0.103	0	49.8
Stage 4	-4.4	50.977	12.693	ACTIVE	0.249	6.738	0	39.448	0.103	0	52.142
Stage 4	-4.6	53.243	13.258	ACTIVE	0.249	6.738	0	41.241	0.103	0	54.499
Stage 4	-4.8	55.505	13.821	ACTIVE	0.249	6.738	0	43.034	0.103	0	56.855
Stage 4	-5	57.763	14.383	ACTIVE	0.249	6.738	0	44.828	0.103	0	59.21
Stage 4	-5.2	59.961	14.93	ACTIVE	0.249	6.738	0	46.621	0.103	0	61.551
Stage 4	-5.4	62.214	15.491	ACTIVE	0.249	6.738	0	48.414	0.103	0	63.905
Stage 4	-5.6	64.463	16.051	ACTIVE	0.249	6.738	0	50.207	0.103	0	66.258
Stage 4	-5.8	66.66	16.598	ACTIVE	0.249	6.738	0	52	0.103	0	68.598
Stage 4	-6	68.906	17.158	ACTIVE	0.249	6.738	0	53.793	0.103	0	70.951
Stage 4	-6.2	71.15	17.716	ACTIVE	0.249	6.738	0	55.586	0.103	0	73.302
Stage 4	-6.4	73.346	18.263	ACTIVE	0.249	6.738	0	57.379	0.103	0	75.642
Stage 4	-6.6	75.587	18.821	ACTIVE	0.249	6.738	0	59.172	0.103	0	77.993
Stage 4	-6.8	77.826	19.379	ACTIVE	0.249	6.738	0	60.966	0.103	0	80.344
Stage 4	-7	80.063	19.936	ACTIVE	0.249	6.738	0	62.759	0.103	0	82.694
Stage 4	-7.2	82.258	20.482	ACTIVE	0.249	6.738	0	64.552	0.103	0	85.034
Stage 4	-7.4	84.493	21.039	ACTIVE	0.249	6.738	0	66.345	0.103	0	87.384
Stage 4	-7.6	86.727	21.595	ACTIVE	0.249	6.738	0	68.138	0.103	0	89.733
Stage 4	-7.8	88.922	22.142	ACTIVE	0.249	6.738	0	69.931	0.103	0	92.073
Stage 4	-8	91.154	22.697	ACTIVE	0.249	6.738	0	71.724	0.103	0	94.421
Stage 4	-8.2	93.385	23.253	ACTIVE	0.249	6.738	0	73.517	0.103	0	96.77
Stage 4	-8.4	95.58	23.799	ACTIVE	0.249	6.738	0	75.31	0.103	0	99.11
Stage 4	-8.6	97.81	24.355	ACTIVE	0.249	6.738	0	77.103	0.103	0	101.458
Stage 4	-8.8	100.038	24.91	ACTIVE	0.249	6.738	0	78.897	0.103	0	103.806
Stage 4	-9	102.266	25.464	ACTIVE	0.249	6.738	0	80.69	0.103	0	106.154
Stage 4	-9.2	104.461	26.011	ACTIVE	0.249	6.738	0	82.483	0.103	0	108.494
Stage 4	-9.4	106.688	26.565	ACTIVE	0.249	6.738	0	84.276	0.103	0	110.841
Stage 4	-9.6	108.914	27.119	ACTIVE	0.249	6.738	0	86.069	0.103	0	113.188
Stage 4	-9.8	111.109	27.666	ACTIVE	0.249	6.738	0	87.862	0.103	0	115.528
Stage 4	-10	113.334	28.287	UL-RL	0.249	6.738	0	89.655	0.103	0	117.942
Stage 4	-10.2	115.558	31.847	UL-RL	0.249	6.738	0	91.448	0.103	0	123.295
Stage 4	-10.4	117.754	35.103	UL-RL	0.249	6.738	0	93.241	0.103	0	128.345
Stage 4	-10.6	119.977	38.075	UL-RL	0.249	6.738	0	95.034	0.103	0	133.11
Stage 4	-10.8	122.2	40.781	UL-RL	0.249	6.738	0	96.828	0.103	0	137.608
Stage 4	-11	124.422	43.239	UL-RL	0.249	6.738	0	98.621	0.103	0	141.86
Stage 4	-11.2	126.618	45.469	UL-RL	0.249	6.738	0	100.414	0.103	0	145.882
Stage 4	-11.4	128.84	47.489	UL-RL	0.249	6.738	0	102.207	0.103	0	149.696

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	-11.6	131.061	49.318	UL-RL	0.249	6.738	0	104	0.103	0	153.318
Stage 4	-11.8	133.257	50.974	UL-RL	0.249	6.738	0	105.793	0.103	0	156.767
Stage 4	-12	135.478	52.476	UL-RL	0.249	6.738	0	107.586	0.103	0	160.062
Stage 4	-12.2	137.499	61.017	UL-RL	0.39	3.404	5	109.379	0.103	0	170.396
Stage 4	-12.4	139.518	62.082	UL-RL	0.39	3.404	5	111.172	0.103	0	173.254
Stage 4	-12.6	141.515	63.097	UL-RL	0.39	3.404	5	112.965	0.103	0	176.063
Stage 4	-12.8	143.511	64.07	UL-RL	0.39	3.404	5	114.758	0.103	0	178.829
Stage 4	-13	145.486	65.008	UL-RL	0.39	3.404	5	116.552	0.103	0	181.56
Stage 4	-13.2	147.46	65.915	UL-RL	0.39	3.404	5	118.345	0.103	0	184.26
Stage 4	-13.4	149.436	66.797	UL-RL	0.39	3.404	5	120.138	0.103	0	186.935
Stage 4	-13.6	151.412	67.659	UL-RL	0.39	3.404	5	121.931	0.103	0	189.59
Stage 4	-13.8	153.389	68.504	UL-RL	0.39	3.404	5	123.724	0.103	0	192.228
Stage 4	-14	155.366	69.336	UL-RL	0.39	3.404	5	125.517	0.103	0	194.853
Stage 4	-14.2	157.345	70.158	UL-RL	0.39	3.404	5	127.31	0.103	0	197.468
Stage 4	-14.4	159.323	70.972	UL-RL	0.39	3.404	5	129.103	0.103	0	200.075
Stage 4	-14.6	161.302	71.78	UL-RL	0.39	3.404	5	130.896	0.103	0	202.676
Stage 4	-14.8	163.282	72.584	UL-RL	0.39	3.404	5	132.69	0.103	0	205.274
Stage 4	-15	165.263	73.386	UL-RL	0.39	3.404	5	134.483	0.103	0	207.868
Stage 4	-15.2	167.244	74.185	UL-RL	0.39	3.404	5	136.276	0.103	0	210.461
Stage 4	-15.4	169.225	74.984	UL-RL	0.39	3.404	5	138.069	0.103	0	213.053
Stage 4	-15.6	171.207	75.783	UL-RL	0.39	3.404	5	139.862	0.103	0	215.645
Stage 4	-15.8	173.189	76.582	UL-RL	0.39	3.404	5	141.655	0.103	0	218.237
Stage 4	-16	175.172	77.381	UL-RL	0.39	3.404	5	143.448	0.103	0	220.829

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 4	-3.2	1.793	12.082	PASSIVE	0.249	6.738	0	2.207	0.103	0	14.289
Stage 4	-3.4	3.586	24.164	PASSIVE	0.249	6.738	0	4.414	0.103	0	28.578
Stage 4	-3.6	5.379	36.246	PASSIVE	0.249	6.738	0	6.621	0.103	0	42.867
Stage 4	-3.8	7.172	48.328	PASSIVE	0.249	6.738	0	8.828	0.103	0	57.155
Stage 4	-4	8.966	60.41	PASSIVE	0.249	6.738	0	11.034	0.103	0	71.444
Stage 4	-4.2	10.759	65.98	V-C	0.249	6.738	0	13.241	0.103	0	79.221
Stage 4	-4.4	12.552	64.476	V-C	0.249	6.738	0	15.448	0.103	0	79.924
Stage 4	-4.6	14.345	63.026	V-C	0.249	6.738	0	17.655	0.103	0	80.681
Stage 4	-4.8	16.138	61.635	V-C	0.249	6.738	0	19.862	0.103	0	81.497
Stage 4	-5	17.931	60.309	V-C	0.249	6.738	0	22.069	0.103	0	82.378
Stage 4	-5.2	19.724	59.051	V-C	0.249	6.738	0	24.276	0.103	0	83.327
Stage 4	-5.4	21.517	57.864	V-C	0.249	6.738	0	26.483	0.103	0	84.347
Stage 4	-5.6	23.31	56.752	V-C	0.249	6.738	0	28.69	0.103	0	85.441
Stage 4	-5.8	25.103	55.715	V-C	0.249	6.738	0	30.897	0.103	0	86.611
Stage 4	-6	26.897	54.756	V-C	0.249	6.738	0	33.103	0.103	0	87.859
Stage 4	-6.2	28.69	53.875	V-C	0.249	6.738	0	35.31	0.103	0	89.186
Stage 4	-6.4	30.483	53.075	V-C	0.249	6.738	0	37.517	0.103	0	90.592
Stage 4	-6.6	32.276	52.355	V-C	0.249	6.738	0	39.724	0.103	0	92.079
Stage 4	-6.8	34.069	51.715	V-C	0.249	6.738	0	41.931	0.103	0	93.646
Stage 4	-7	35.862	51.156	V-C	0.249	6.738	0	44.138	0.103	0	95.294
Stage 4	-7.2	37.655	50.678	V-C	0.249	6.738	0	46.345	0.103	0	97.023
Stage 4	-7.4	39.448	50.28	V-C	0.249	6.738	0	48.552	0.103	0	98.831
Stage 4	-7.6	41.241	49.96	V-C	0.249	6.738	0	50.759	0.103	0	100.719
Stage 4	-7.8	43.034	49.719	V-C	0.249	6.738	0	52.965	0.103	0	102.685
Stage 4	-8	44.828	49.555	V-C	0.249	6.738	0	55.172	0.103	0	104.728
Stage 4	-8.2	46.621	49.467	V-C	0.249	6.738	0	57.379	0.103	0	106.846
Stage 4	-8.4	48.414	49.453	V-C	0.249	6.738	0	59.586	0.103	0	109.039
Stage 4	-8.6	50.207	49.511	V-C	0.249	6.738	0	61.793	0.103	0	111.304
Stage 4	-8.8	52	49.64	V-C	0.249	6.738	0	64	0.103	0	113.64
Stage 4	-9	53.793	49.837	V-C	0.249	6.738	0	66.207	0.103	0	116.044
Stage 4	-9.2	55.586	50.101	V-C	0.249	6.738	0	68.414	0.103	0	118.514
Stage 4	-9.4	57.379	50.428	V-C	0.249	6.738	0	70.621	0.103	0	121.049
Stage 4	-9.6	59.172	50.817	V-C	0.249	6.738	0	72.828	0.103	0	123.645
Stage 4	-9.8	60.965	51.266	V-C	0.249	6.738	0	75.034	0.103	0	126.3
Stage 4	-10	62.759	51.77	V-C	0.249	6.738	0	77.241	0.103	0	129.012
Stage 4	-10.2	64.552	52.329	V-C	0.249	6.738	0	79.448	0.103	0	131.777
Stage 4	-10.4	66.345	52.938	V-C	0.249	6.738	0	81.655	0.103	0	134.593
Stage 4	-10.6	68.138	53.556	UL-RL	0.249	6.738	0	83.862	0.103	0	137.418
Stage 4	-10.8	69.931	53.694	UL-RL	0.249	6.738	0	86.069	0.103	0	139.763
Stage 4	-11	71.724	53.955	UL-RL	0.249	6.738	0	88.276	0.103	0	142.23
Stage 4	-11.2	73.517	54.329	UL-RL	0.249	6.738	0	90.483	0.103	0	144.812
Stage 4	-11.4	75.31	54.808	UL-RL	0.249	6.738	0	92.69	0.103	0	147.498
Stage 4	-11.6	77.103	55.383	UL-RL	0.249	6.738	0	94.896	0.103	0	150.279
Stage 4	-11.8	78.896	56.043	UL-RL	0.249	6.738	0	97.103	0.103	0	153.146
Stage 4	-12	80.69	56.781	UL-RL	0.249	6.738	0	99.31	0.103	0	156.091

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	-12.2	82.283	55.763	UL-RL	0.39	3.404	5	101.517	0.103	0	157.28
Stage 4	-12.4	83.876	56.546	UL-RL	0.39	3.404	5	103.724	0.103	0	160.27
Stage 4	-12.6	85.469	57.368	UL-RL	0.39	3.404	5	105.931	0.103	0	163.298
Stage 4	-12.8	87.062	58.223	UL-RL	0.39	3.404	5	108.138	0.103	0	166.36
Stage 4	-13	88.655	59.106	UL-RL	0.39	3.404	5	110.345	0.103	0	169.451
Stage 4	-13.2	90.248	60.013	UL-RL	0.39	3.404	5	112.552	0.103	0	172.565
Stage 4	-13.4	91.841	60.941	UL-RL	0.39	3.404	5	114.758	0.103	0	175.699
Stage 4	-13.6	93.434	61.885	UL-RL	0.39	3.404	5	116.965	0.103	0	178.85
Stage 4	-13.8	95.028	62.842	UL-RL	0.39	3.404	5	119.172	0.103	0	182.014
Stage 4	-14	96.621	63.81	UL-RL	0.39	3.404	5	121.379	0.103	0	185.19
Stage 4	-14.2	98.214	64.787	UL-RL	0.39	3.404	5	123.586	0.103	0	188.373
Stage 4	-14.4	99.807	65.77	UL-RL	0.39	3.404	5	125.793	0.103	0	191.563
Stage 4	-14.6	101.4	66.757	UL-RL	0.39	3.404	5	128	0.103	0	194.757
Stage 4	-14.8	102.993	67.748	UL-RL	0.39	3.404	5	130.207	0.103	0	197.955
Stage 4	-15	104.586	68.742	UL-RL	0.39	3.404	5	132.414	0.103	0	201.156
Stage 4	-15.2	106.179	69.737	UL-RL	0.39	3.404	5	134.621	0.103	0	204.358
Stage 4	-15.4	107.772	70.734	UL-RL	0.39	3.404	5	136.828	0.103	0	207.561
Stage 4	-15.6	109.365	71.73	UL-RL	0.39	3.404	5	139.034	0.103	0	210.765
Stage 4	-15.8	110.958	72.728	UL-RL	0.39	3.404	5	141.241	0.103	0	213.969
Stage 4	-16	112.552	73.725	UL-RL	0.39	3.404	5	143.448	0.103	0	217.173

Tabella Risultati Terreno Left Wall - Nominal - Stage 5

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 5	-0.2	2.294	0.571	ACTIVE	0.249	6.738	0	1.714	0.143	0	2.285
Stage 5	-0.4	4.628	1.152	ACTIVE	0.249	6.738	0	3.429	0.143	0	4.581
Stage 5	-0.6	7.015	1.747	ACTIVE	0.249	6.738	0	5.143	0.143	0	6.89
Stage 5	-0.8	9.44	2.351	ACTIVE	0.249	6.738	0	6.857	0.143	0	9.208
Stage 5	-1	11.882	2.959	ACTIVE	0.249	6.738	0	8.571	0.143	0	11.53
Stage 5	-1.2	14.325	3.567	ACTIVE	0.249	6.738	0	10.286	0.143	0	13.853
Stage 5	-1.4	16.874	4.202	ACTIVE	0.249	6.738	0	12	0.143	0	16.202
Stage 5	-1.6	19.462	4.846	ACTIVE	0.249	6.738	0	13.714	0.143	0	18.56
Stage 5	-1.8	21.836	5.437	ACTIVE	0.249	6.738	0	15.429	0.143	0	20.866
Stage 5	-2	24.342	6.061	ACTIVE	0.249	6.738	0	17.143	0.143	0	23.204
Stage 5	-2.2	26.813	6.676	ACTIVE	0.249	6.738	0	18.857	0.143	0	25.534
Stage 5	-2.4	29.138	7.255	ACTIVE	0.249	6.738	0	20.571	0.143	0	27.827
Stage 5	-2.6	31.571	7.861	ACTIVE	0.249	6.738	0	22.286	0.143	0	30.147
Stage 5	-2.8	33.984	8.462	ACTIVE	0.249	6.738	0	24	0.143	0	32.462
Stage 5	-3	36.383	9.059	ACTIVE	0.249	6.738	0	25.714	0.143	0	34.774
Stage 5	-3.2	38.679	9.631	ACTIVE	0.249	6.738	0	27.429	0.143	0	37.06
Stage 5	-3.4	41.059	10.224	ACTIVE	0.249	6.738	0	29.143	0.143	0	39.367
Stage 5	-3.6	43.43	10.814	ACTIVE	0.249	6.738	0	30.857	0.143	0	41.671
Stage 5	-3.8	45.717	11.384	ACTIVE	0.249	6.738	0	32.571	0.143	0	43.955
Stage 5	-4	48.076	11.971	ACTIVE	0.249	6.738	0	34.286	0.143	0	46.257
Stage 5	-4.2	50.429	12.557	ACTIVE	0.249	6.738	0	36	0.143	0	48.557
Stage 5	-4.4	52.711	13.125	ACTIVE	0.249	6.738	0	37.714	0.143	0	50.839
Stage 5	-4.6	55.056	13.709	ACTIVE	0.249	6.738	0	39.429	0.143	0	53.138
Stage 5	-4.8	57.397	14.292	ACTIVE	0.249	6.738	0	41.143	0.143	0	55.435
Stage 5	-5	59.733	14.874	ACTIVE	0.249	6.738	0	42.857	0.143	0	57.731
Stage 5	-5.2	62.01	15.441	ACTIVE	0.249	6.738	0	44.571	0.143	0	60.012
Stage 5	-5.4	64.342	16.021	ACTIVE	0.249	6.738	0	46.286	0.143	0	62.307
Stage 5	-5.6	66.67	16.601	ACTIVE	0.249	6.738	0	48	0.143	0	64.601
Stage 5	-5.8	68.946	17.168	ACTIVE	0.249	6.738	0	49.714	0.143	0	66.882
Stage 5	-6	71.271	17.746	ACTIVE	0.249	6.738	0	51.429	0.143	0	69.175
Stage 5	-6.2	73.593	18.325	ACTIVE	0.249	6.738	0	53.143	0.143	0	71.468
Stage 5	-6.4	75.868	18.891	ACTIVE	0.249	6.738	0	54.857	0.143	0	73.748
Stage 5	-6.6	78.188	19.469	ACTIVE	0.249	6.738	0	56.571	0.143	0	76.04
Stage 5	-6.8	80.505	20.046	ACTIVE	0.249	6.738	0	58.286	0.143	0	78.332
Stage 5	-7	82.821	20.623	ACTIVE	0.249	6.738	0	60	0.143	0	80.622
Stage 5	-7.2	85.095	21.189	ACTIVE	0.249	6.738	0	61.714	0.143	0	82.903
Stage 5	-7.4	87.409	21.765	ACTIVE	0.249	6.738	0	63.429	0.143	0	85.193
Stage 5	-7.6	89.722	22.341	ACTIVE	0.249	6.738	0	65.143	0.143	0	87.484
Stage 5	-7.8	91.996	22.907	ACTIVE	0.249	6.738	0	66.857	0.143	0	89.764
Stage 5	-8	94.307	23.482	ACTIVE	0.249	6.738	0	68.571	0.143	0	92.054
Stage 5	-8.2	96.616	24.057	ACTIVE	0.249	6.738	0	70.286	0.143	0	94.343
Stage 5	-8.4	98.89	24.624	ACTIVE	0.249	6.738	0	72	0.143	0	96.624
Stage 5	-8.6	101.199	25.198	ACTIVE	0.249	6.738	0	73.714	0.143	0	98.913
Stage 5	-8.8	103.506	25.773	ACTIVE	0.249	6.738	0	75.429	0.143	0	101.202
Stage 5	-9	105.813	26.347	ACTIVE	0.249	6.738	0	77.143	0.143	0	103.49
Stage 5	-9.2	108.087	26.916	UL-RL	0.249	6.738	0	78.857	0.143	0	105.773
Stage 5	-9.4	110.392	27.493	UL-RL	0.249	6.738	0	80.571	0.143	0	108.065
Stage 5	-9.6	112.697	28.071	UL-RL	0.249	6.738	0	82.286	0.143	0	110.356
Stage 5	-9.8	114.971	28.64	UL-RL	0.249	6.738	0	84	0.143	0	112.64
Stage 5	-10	117.275	29.217	UL-RL	0.249	6.738	0	85.714	0.143	0	114.932
Stage 5	-10.2	119.578	29.794	UL-RL	0.249	6.738	0	87.429	0.143	0	117.223
Stage 5	-10.4	121.852	30.364	UL-RL	0.249	6.738	0	89.143	0.143	0	119.507
Stage 5	-10.6	124.154	30.941	UL-RL	0.249	6.738	0	90.857	0.143	0	121.798
Stage 5	-10.8	126.456	31.518	UL-RL	0.249	6.738	0	92.571	0.143	0	124.089
Stage 5	-11	128.758	32.095	UL-RL	0.249	6.738	0	94.286	0.143	0	126.38
Stage 5	-11.2	131.032	32.665	UL-RL	0.249	6.738	0	96	0.143	0	128.665
Stage 5	-11.4	133.333	33.242	UL-RL	0.249	6.738	0	97.714	0.143	0	130.956

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	-11.6	135.633	33.819	UL-RL	0.249	6.738	0	99.428	0.143	0	133.247
Stage 5	-11.8	137.908	34.389	UL-RL	0.249	6.738	0	101.143	0.143	0	135.532
Stage 5	-12	140.207	34.966	UL-RL	0.249	6.738	0	102.857	0.143	0	137.823
Stage 5	-12.2	142.306	54.26	UL-RL	0.39	3.404	5	104.571	0.143	0	158.832
Stage 5	-12.4	144.405	57.136	UL-RL	0.39	3.404	5	106.286	0.143	0	163.421
Stage 5	-12.6	146.48	59.874	UL-RL	0.39	3.404	5	108	0.143	0	167.874
Stage 5	-12.8	148.556	62.489	UL-RL	0.39	3.404	5	109.714	0.143	0	172.203
Stage 5	-13	150.609	64.995	UL-RL	0.39	3.404	5	111.428	0.143	0	176.423
Stage 5	-13.2	152.662	67.405	UL-RL	0.39	3.404	5	113.143	0.143	0	180.548
Stage 5	-13.4	154.717	69.171	UL-RL	0.39	3.404	5	114.857	0.143	0	184.028
Stage 5	-13.6	156.772	70.712	UL-RL	0.39	3.404	5	116.571	0.143	0	187.283
Stage 5	-13.8	158.827	72.045	UL-RL	0.39	3.404	5	118.286	0.143	0	190.331
Stage 5	-14	160.884	73.353	UL-RL	0.39	3.404	5	120	0.143	0	193.353
Stage 5	-14.2	162.941	74.639	UL-RL	0.39	3.404	5	121.714	0.143	0	196.354
Stage 5	-14.4	164.998	75.909	UL-RL	0.39	3.404	5	123.428	0.143	0	199.338
Stage 5	-14.6	167.056	77.166	UL-RL	0.39	3.404	5	125.143	0.143	0	202.309
Stage 5	-14.8	169.115	78.414	UL-RL	0.39	3.404	5	126.857	0.143	0	205.271
Stage 5	-15	171.174	79.654	UL-RL	0.39	3.404	5	128.571	0.143	0	208.226
Stage 5	-15.2	173.234	80.89	UL-RL	0.39	3.404	5	130.286	0.143	0	211.176
Stage 5	-15.4	175.294	82.179	UL-RL	0.39	3.404	5	132	0.143	0	214.179
Stage 5	-15.6	177.354	83.468	UL-RL	0.39	3.404	5	133.714	0.143	0	217.182
Stage 5	-15.8	179.416	84.756	UL-RL	0.39	3.404	5	135.428	0.143	0	220.185
Stage 5	-16	181.477	86.045	UL-RL	0.39	3.404	5	137.143	0.143	0	223.188

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-4	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 5	-4.2	1.714	11.551	PASSIVE	0.249	6.738	0	2.286	0.143	0	13.837
Stage 5	-4.4	3.429	23.102	PASSIVE	0.249	6.738	0	4.571	0.143	0	27.673
Stage 5	-4.6	5.143	34.653	PASSIVE	0.249	6.738	0	6.857	0.143	0	41.51
Stage 5	-4.8	6.857	46.203	PASSIVE	0.249	6.738	0	9.143	0.143	0	55.346
Stage 5	-5	8.571	57.754	PASSIVE	0.249	6.738	0	11.429	0.143	0	69.183
Stage 5	-5.2	10.286	69.305	PASSIVE	0.249	6.738	0	13.714	0.143	0	83.019
Stage 5	-5.4	12	80.856	PASSIVE	0.249	6.738	0	16	0.143	0	96.856
Stage 5	-5.6	13.714	92.407	PASSIVE	0.249	6.738	0	18.286	0.143	0	110.692
Stage 5	-5.8	15.429	101.47	V-C	0.249	6.738	0	20.571	0.143	0	122.042
Stage 5	-6	17.143	98.407	V-C	0.249	6.738	0	22.857	0.143	0	121.264
Stage 5	-6.2	18.857	95.455	V-C	0.249	6.738	0	25.143	0.143	0	120.598
Stage 5	-6.4	20.571	92.621	V-C	0.249	6.738	0	27.429	0.143	0	120.05
Stage 5	-6.6	22.286	89.907	V-C	0.249	6.738	0	29.714	0.143	0	119.622
Stage 5	-6.8	24	87.318	V-C	0.249	6.738	0	32	0.143	0	119.318
Stage 5	-7	25.714	84.854	V-C	0.249	6.738	0	34.286	0.143	0	119.14
Stage 5	-7.2	27.429	82.519	V-C	0.249	6.738	0	36.571	0.143	0	119.09
Stage 5	-7.4	29.143	80.312	V-C	0.249	6.738	0	38.857	0.143	0	119.17
Stage 5	-7.6	30.857	78.235	V-C	0.249	6.738	0	41.143	0.143	0	119.378
Stage 5	-7.8	32.571	76.288	V-C	0.249	6.738	0	43.429	0.143	0	119.717
Stage 5	-8	34.286	74.47	V-C	0.249	6.738	0	45.714	0.143	0	120.184
Stage 5	-8.2	36	72.78	V-C	0.249	6.738	0	48	0.143	0	120.78
Stage 5	-8.4	37.714	71.218	V-C	0.249	6.738	0	50.286	0.143	0	121.504
Stage 5	-8.6	39.429	69.781	V-C	0.249	6.738	0	52.571	0.143	0	122.353
Stage 5	-8.8	41.143	68.468	V-C	0.249	6.738	0	54.857	0.143	0	123.325
Stage 5	-9	42.857	67.277	V-C	0.249	6.738	0	57.143	0.143	0	124.42
Stage 5	-9.2	44.571	66.204	UL-RL	0.249	6.738	0	59.429	0.143	0	125.632
Stage 5	-9.4	46.286	65.247	UL-RL	0.249	6.738	0	61.714	0.143	0	126.961
Stage 5	-9.6	48	64.404	UL-RL	0.249	6.738	0	64	0.143	0	128.404
Stage 5	-9.8	49.714	63.67	UL-RL	0.249	6.738	0	66.286	0.143	0	129.956
Stage 5	-10	51.429	63.044	UL-RL	0.249	6.738	0	68.571	0.143	0	131.615
Stage 5	-10.2	53.143	62.521	UL-RL	0.249	6.738	0	70.857	0.143	0	133.378
Stage 5	-10.4	54.857	62.097	UL-RL	0.249	6.738	0	73.143	0.143	0	135.24
Stage 5	-10.6	56.571	61.769	UL-RL	0.249	6.738	0	75.428	0.143	0	137.197
Stage 5	-10.8	58.286	61.532	UL-RL	0.249	6.738	0	77.714	0.143	0	139.246
Stage 5	-11	60	61.382	UL-RL	0.249	6.738	0	80	0.143	0	141.382
Stage 5	-11.2	61.714	61.315	UL-RL	0.249	6.738	0	82.286	0.143	0	143.601
Stage 5	-11.4	63.428	61.326	UL-RL	0.249	6.738	0	84.571	0.143	0	145.898
Stage 5	-11.6	65.143	61.411	UL-RL	0.249	6.738	0	86.857	0.143	0	148.268
Stage 5	-11.8	66.857	61.564	UL-RL	0.249	6.738	0	89.143	0.143	0	150.706
Stage 5	-12	68.571	61.78	UL-RL	0.249	6.738	0	91.428	0.143	0	153.208

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	-12.2	70.086	59.058	UL-RL	0.39	3.404	5	93.714	0.143	0	152.772
Stage 5	-12.4	71.6	58.444	UL-RL	0.39	3.404	5	96	0.143	0	154.444
Stage 5	-12.6	73.114	57.936	UL-RL	0.39	3.404	5	98.286	0.143	0	156.222
Stage 5	-12.8	74.628	57.525	UL-RL	0.39	3.404	5	100.571	0.143	0	158.097
Stage 5	-13	76.143	57.2	UL-RL	0.39	3.404	5	102.857	0.143	0	160.057
Stage 5	-13.2	77.657	56.95	UL-RL	0.39	3.404	5	105.143	0.143	0	162.092
Stage 5	-13.4	79.171	56.765	UL-RL	0.39	3.404	5	107.428	0.143	0	164.194
Stage 5	-13.6	80.686	56.637	UL-RL	0.39	3.404	5	109.714	0.143	0	166.351
Stage 5	-13.8	82.2	56.558	UL-RL	0.39	3.404	5	112	0.143	0	168.558
Stage 5	-14	83.714	56.519	UL-RL	0.39	3.404	5	114.286	0.143	0	170.805
Stage 5	-14.2	85.228	56.514	UL-RL	0.39	3.404	5	116.571	0.143	0	173.086
Stage 5	-14.4	86.743	56.537	UL-RL	0.39	3.404	5	118.857	0.143	0	175.394
Stage 5	-14.6	88.257	56.581	UL-RL	0.39	3.404	5	121.143	0.143	0	177.724
Stage 5	-14.8	89.771	56.641	UL-RL	0.39	3.404	5	123.428	0.143	0	180.07
Stage 5	-15	91.286	56.714	UL-RL	0.39	3.404	5	125.714	0.143	0	182.428
Stage 5	-15.2	92.8	56.796	UL-RL	0.39	3.404	5	128	0.143	0	184.796
Stage 5	-15.4	94.314	56.882	UL-RL	0.39	3.404	5	130.286	0.143	0	187.168
Stage 5	-15.6	95.828	56.972	UL-RL	0.39	3.404	5	132.571	0.143	0	189.544
Stage 5	-15.8	97.343	57.064	UL-RL	0.39	3.404	5	134.857	0.143	0	191.921
Stage 5	-16	98.857	57.156	UL-RL	0.39	3.404	5	137.143	0.143	0	194.299

Tabella Risultati Terreno Left Wall - Nominal - Stage 6

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 6	-0.2	2.335	0.582	ACTIVE	0.249	6.738	0	1.673	0.164	0	2.254
Stage 6	-0.4	4.711	1.173	ACTIVE	0.249	6.738	0	3.345	0.164	0	4.519
Stage 6	-0.6	7.14	1.778	ACTIVE	0.249	6.738	0	5.018	0.164	0	6.796
Stage 6	-0.8	9.606	2.392	ACTIVE	0.249	6.738	0	6.691	0.164	0	9.083
Stage 6	-1	12.09	3.01	ACTIVE	0.249	6.738	0	8.364	0.164	0	11.374
Stage 6	-1.2	14.574	3.629	ACTIVE	0.249	6.738	0	10.036	0.164	0	13.665
Stage 6	-1.4	17.165	4.274	ACTIVE	0.249	6.738	0	11.709	0.164	0	15.983
Stage 6	-1.6	19.794	4.929	ACTIVE	0.249	6.738	0	13.382	0.164	0	18.311
Stage 6	-1.8	22.21	5.53	ACTIVE	0.249	6.738	0	15.055	0.164	0	20.585
Stage 6	-2	24.757	6.165	ACTIVE	0.249	6.738	0	16.727	0.164	0	22.892
Stage 6	-2.2	27.27	6.79	ACTIVE	0.249	6.738	0	18.4	0.164	0	25.19
Stage 6	-2.4	29.637	7.38	ACTIVE	0.249	6.738	0	20.073	0.164	0	27.452
Stage 6	-2.6	32.111	7.996	ACTIVE	0.249	6.738	0	21.745	0.164	0	29.741
Stage 6	-2.8	34.566	8.607	ACTIVE	0.249	6.738	0	23.418	0.164	0	32.025
Stage 6	-3	37.006	9.215	ACTIVE	0.249	6.738	0	25.091	0.164	0	34.305
Stage 6	-3.2	39.344	9.797	ACTIVE	0.249	6.738	0	26.764	0.164	0	36.56
Stage 6	-3.4	41.766	10.4	ACTIVE	0.249	6.738	0	28.436	0.164	0	38.836
Stage 6	-3.6	44.178	11	ACTIVE	0.249	6.738	0	30.109	0.164	0	41.109
Stage 6	-3.8	46.506	11.58	ACTIVE	0.249	6.738	0	31.782	0.164	0	43.362
Stage 6	-4	48.908	12.178	ACTIVE	0.249	6.738	0	33.455	0.164	0	45.633
Stage 6	-4.2	51.302	12.774	ACTIVE	0.249	6.738	0	35.127	0.164	0	47.902
Stage 6	-4.4	53.625	13.353	ACTIVE	0.249	6.738	0	36.8	0.164	0	50.153
Stage 6	-4.6	56.012	13.947	ACTIVE	0.249	6.738	0	38.473	0.164	0	52.42
Stage 6	-4.8	58.394	14.54	ACTIVE	0.249	6.738	0	40.145	0.164	0	54.686
Stage 6	-5	60.772	15.132	ACTIVE	0.249	6.738	0	41.818	0.164	0	56.95
Stage 6	-5.2	63.091	15.71	ACTIVE	0.249	6.738	0	43.491	0.164	0	59.2
Stage 6	-5.4	65.464	16.3	ACTIVE	0.249	6.738	0	45.164	0.164	0	61.464
Stage 6	-5.6	67.834	16.891	ACTIVE	0.249	6.738	0	46.836	0.164	0	63.727
Stage 6	-5.8	70.151	17.468	ACTIVE	0.249	6.738	0	48.509	0.164	0	65.977
Stage 6	-6	72.517	18.057	ACTIVE	0.249	6.738	0	50.182	0.164	0	68.239
Stage 6	-6.2	74.881	18.645	ACTIVE	0.249	6.738	0	51.855	0.164	0	70.5
Stage 6	-6.4	77.198	19.222	ACTIVE	0.249	6.738	0	53.527	0.164	0	72.75
Stage 6	-6.6	79.559	19.81	ACTIVE	0.249	6.738	0	55.2	0.164	0	75.01
Stage 6	-6.8	81.918	20.398	ACTIVE	0.249	6.738	0	56.873	0.164	0	77.27
Stage 6	-7	84.276	20.985	ACTIVE	0.249	6.738	0	58.545	0.164	0	79.53
Stage 6	-7.2	86.591	21.561	ACTIVE	0.249	6.738	0	60.218	0.164	0	81.779
Stage 6	-7.4	88.947	22.148	ACTIVE	0.249	6.738	0	61.891	0.164	0	84.039
Stage 6	-7.6	91.301	22.734	ACTIVE	0.249	6.738	0	63.564	0.164	0	86.298
Stage 6	-7.8	93.616	23.31	ACTIVE	0.249	6.738	0	65.236	0.164	0	88.547
Stage 6	-8	95.969	23.896	ACTIVE	0.249	6.738	0	66.909	0.164	0	90.805
Stage 6	-8.2	98.32	24.482	ACTIVE	0.249	6.738	0	68.582	0.164	0	93.064
Stage 6	-8.4	100.636	25.058	ACTIVE	0.249	6.738	0	70.255	0.164	0	95.313
Stage 6	-8.6	102.986	25.643	ACTIVE	0.249	6.738	0	71.927	0.164	0	97.571
Stage 6	-8.8	105.335	26.228	ACTIVE	0.249	6.738	0	73.6	0.164	0	99.828
Stage 6	-9	107.683	26.813	ACTIVE	0.249	6.738	0	75.273	0.164	0	102.086
Stage 6	-9.2	109.998	27.39	ACTIVE	0.249	6.738	0	76.945	0.164	0	104.335
Stage 6	-9.4	112.345	27.974	ACTIVE	0.249	6.738	0	78.618	0.164	0	106.592
Stage 6	-9.6	114.692	28.558	ACTIVE	0.249	6.738	0	80.291	0.164	0	108.849
Stage 6	-9.8	117.007	29.135	ACTIVE	0.249	6.738	0	81.964	0.164	0	111.098
Stage 6	-10	119.353	29.719	ACTIVE	0.249	6.738	0	83.636	0.164	0	113.355
Stage 6	-10.2	121.697	30.303	ACTIVE	0.249	6.738	0	85.309	0.164	0	115.612
Stage 6	-10.4	124.013	30.879	ACTIVE	0.249	6.738	0	86.982	0.164	0	117.861
Stage 6	-10.6	126.357	31.463	ACTIVE	0.249	6.738	0	88.654	0.164	0	120.117
Stage 6	-10.8	128.7	32.046	ACTIVE	0.249	6.738	0	90.327	0.164	0	122.374
Stage 6	-11	131.043	32.63	ACTIVE	0.249	6.738	0	92	0.164	0	124.63
Stage 6	-11.2	133.359	33.206	ACTIVE	0.249	6.738	0	93.673	0.164	0	126.879
Stage 6	-11.4	135.702	33.79	ACTIVE	0.249	6.738	0	95.345	0.164	0	129.135

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	-11.6	138.043	34.373	ACTIVE	0.249	6.738	0	97.018	0.164	0	131.391
Stage 6	-11.8	140.36	34.95	ACTIVE	0.249	6.738	0	98.691	0.164	0	133.64
Stage 6	-12	142.701	35.569	UL-RL	0.249	6.738	0	100.364	0.164	0	135.933
Stage 6	-12.2	144.842	50.316	UL-RL	0.39	3.404	5	102.036	0.164	0	152.352
Stage 6	-12.4	146.982	51.205	UL-RL	0.39	3.404	5	103.709	0.164	0	154.914
Stage 6	-12.6	149.098	52.084	UL-RL	0.39	3.404	5	105.382	0.164	0	157.466
Stage 6	-12.8	151.215	56.038	UL-RL	0.39	3.404	5	107.054	0.164	0	163.092
Stage 6	-13	153.31	60.386	UL-RL	0.39	3.404	5	108.727	0.164	0	169.113
Stage 6	-13.2	155.405	64.59	UL-RL	0.39	3.404	5	110.4	0.164	0	174.99
Stage 6	-13.4	157.501	68.108	UL-RL	0.39	3.404	5	112.073	0.164	0	180.181
Stage 6	-13.6	159.598	71.362	UL-RL	0.39	3.404	5	113.745	0.164	0	185.107
Stage 6	-13.8	161.695	73.764	UL-RL	0.39	3.404	5	115.418	0.164	0	189.182
Stage 6	-14	163.793	75.636	UL-RL	0.39	3.404	5	117.091	0.164	0	192.726
Stage 6	-14.2	165.891	77.478	UL-RL	0.39	3.404	5	118.764	0.164	0	196.241
Stage 6	-14.4	167.99	79.296	UL-RL	0.39	3.404	5	120.436	0.164	0	199.733
Stage 6	-14.6	170.09	81.096	UL-RL	0.39	3.404	5	122.109	0.164	0	203.205
Stage 6	-14.8	172.19	82.882	UL-RL	0.39	3.404	5	123.782	0.164	0	206.664
Stage 6	-15	174.291	84.658	UL-RL	0.39	3.404	5	125.454	0.164	0	210.112
Stage 6	-15.2	176.392	86.426	UL-RL	0.39	3.404	5	127.127	0.164	0	213.554
Stage 6	-15.4	178.494	88.246	UL-RL	0.39	3.404	5	128.8	0.164	0	217.046
Stage 6	-15.6	180.596	90.065	UL-RL	0.39	3.404	5	130.473	0.164	0	220.538
Stage 6	-15.8	182.699	91.884	UL-RL	0.39	3.404	5	132.145	0.164	0	224.029
Stage 6	-16	184.802	93.702	UL-RL	0.39	3.404	5	133.818	0.164	0	227.52

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.6	0.836	5.635	PASSIVE	0.249	6.738	0	1.164	0.164	0	6.799
Stage 6	-4.8	2.509	16.906	PASSIVE	0.249	6.738	0	3.491	0.164	0	20.397
Stage 6	-5	4.182	28.177	PASSIVE	0.249	6.738	0	5.818	0.164	0	33.995
Stage 6	-5.2	5.855	39.448	PASSIVE	0.249	6.738	0	8.145	0.164	0	47.593
Stage 6	-5.4	7.527	50.719	PASSIVE	0.249	6.738	0	10.473	0.164	0	61.191
Stage 6	-5.6	9.2	61.99	PASSIVE	0.249	6.738	0	12.8	0.164	0	74.79
Stage 6	-5.8	10.873	73.26	PASSIVE	0.249	6.738	0	15.127	0.164	0	88.388
Stage 6	-6	12.545	84.531	PASSIVE	0.249	6.738	0	17.455	0.164	0	101.986
Stage 6	-6.2	14.218	95.802	PASSIVE	0.249	6.738	0	19.782	0.164	0	115.584
Stage 6	-6.4	15.891	107.073	PASSIVE	0.249	6.738	0	22.109	0.164	0	129.182
Stage 6	-6.6	17.564	118.344	PASSIVE	0.249	6.738	0	24.436	0.164	0	142.78
Stage 6	-6.8	19.236	120.802	V-C	0.249	6.738	0	26.764	0.164	0	147.566
Stage 6	-7	20.909	116.861	V-C	0.249	6.738	0	29.091	0.164	0	145.952
Stage 6	-7.2	22.582	113.071	V-C	0.249	6.738	0	31.418	0.164	0	144.489
Stage 6	-7.4	24.255	109.434	V-C	0.249	6.738	0	33.745	0.164	0	143.179
Stage 6	-7.6	25.927	105.953	V-C	0.249	6.738	0	36.073	0.164	0	142.026
Stage 6	-7.8	27.6	102.63	V-C	0.249	6.738	0	38.4	0.164	0	141.03
Stage 6	-8	29.273	99.466	V-C	0.249	6.738	0	40.727	0.164	0	140.193
Stage 6	-8.2	30.945	96.461	V-C	0.249	6.738	0	43.055	0.164	0	139.516
Stage 6	-8.4	32.618	93.615	V-C	0.249	6.738	0	45.382	0.164	0	138.997
Stage 6	-8.6	34.291	90.927	V-C	0.249	6.738	0	47.709	0.164	0	138.636
Stage 6	-8.8	35.964	88.396	V-C	0.249	6.738	0	50.036	0.164	0	138.432
Stage 6	-9	37.636	86.019	V-C	0.249	6.738	0	52.364	0.164	0	138.383
Stage 6	-9.2	39.309	83.795	V-C	0.249	6.738	0	54.691	0.164	0	138.486
Stage 6	-9.4	40.982	81.72	V-C	0.249	6.738	0	57.018	0.164	0	138.738
Stage 6	-9.6	42.655	79.792	V-C	0.249	6.738	0	59.345	0.164	0	139.138
Stage 6	-9.8	44.327	78.007	V-C	0.249	6.738	0	61.673	0.164	0	139.68
Stage 6	-10	46	76.362	V-C	0.249	6.738	0	64	0.164	0	140.362
Stage 6	-10.2	47.673	74.852	V-C	0.249	6.738	0	66.327	0.164	0	141.179
Stage 6	-10.4	49.345	73.473	V-C	0.249	6.738	0	68.654	0.164	0	142.127
Stage 6	-10.6	51.018	72.22	V-C	0.249	6.738	0	70.982	0.164	0	143.202
Stage 6	-10.8	52.691	71.089	V-C	0.249	6.738	0	73.309	0.164	0	144.398
Stage 6	-11	54.364	70.074	V-C	0.249	6.738	0	75.636	0.164	0	145.71
Stage 6	-11.2	56.036	69.17	V-C	0.249	6.738	0	77.964	0.164	0	147.133
Stage 6	-11.4	57.709	68.371	V-C	0.249	6.738	0	80.291	0.164	0	148.662
Stage 6	-11.6	59.382	67.672	V-C	0.249	6.738	0	82.618	0.164	0	150.29
Stage 6	-11.8	61.054	67.067	V-C	0.249	6.738	0	84.945	0.164	0	152.012
Stage 6	-12	62.727	66.537	UL-RL	0.249	6.738	0	87.273	0.164	0	153.809

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	-12.2	64.2	63.447	UL-RL	0.39	3.404	5	89.6	0.164	0	153.047
Stage 6	-12.4	65.673	63.285	UL-RL	0.39	3.404	5	91.927	0.164	0	155.212
Stage 6	-12.6	67.145	63.175	UL-RL	0.39	3.404	5	94.254	0.164	0	157.429
Stage 6	-12.8	68.618	61.599	UL-RL	0.39	3.404	5	96.582	0.164	0	158.181
Stage 6	-13	70.091	59.844	UL-RL	0.39	3.404	5	98.909	0.164	0	158.753
Stage 6	-13.2	71.564	58.201	UL-RL	0.39	3.404	5	101.236	0.164	0	159.437
Stage 6	-13.4	73.036	56.658	UL-RL	0.39	3.404	5	103.564	0.164	0	160.221
Stage 6	-13.6	74.509	55.201	UL-RL	0.39	3.404	5	105.891	0.164	0	161.092
Stage 6	-13.8	75.982	53.819	UL-RL	0.39	3.404	5	108.218	0.164	0	162.037
Stage 6	-14	77.454	52.501	UL-RL	0.39	3.404	5	110.545	0.164	0	163.046
Stage 6	-14.2	78.927	51.236	UL-RL	0.39	3.404	5	112.873	0.164	0	164.108
Stage 6	-14.4	80.4	50.015	UL-RL	0.39	3.404	5	115.2	0.164	0	165.214
Stage 6	-14.6	81.873	48.828	UL-RL	0.39	3.404	5	117.527	0.164	0	166.355
Stage 6	-14.8	83.345	47.669	UL-RL	0.39	3.404	5	119.854	0.164	0	167.523
Stage 6	-15	84.818	46.53	UL-RL	0.39	3.404	5	122.182	0.164	0	168.711
Stage 6	-15.2	86.291	45.405	UL-RL	0.39	3.404	5	124.509	0.164	0	169.914
Stage 6	-15.4	87.764	44.289	UL-RL	0.39	3.404	5	126.836	0.164	0	171.125
Stage 6	-15.6	89.236	43.178	UL-RL	0.39	3.404	5	129.164	0.164	0	172.342
Stage 6	-15.8	90.709	42.07	UL-RL	0.39	3.404	5	131.491	0.164	0	173.561
Stage 6	-16	92.182	40.962	UL-RL	0.39	3.404	5	133.818	0.164	0	174.781

Tabella Risultati Terreno Left Wall - Nominal - Stage 7

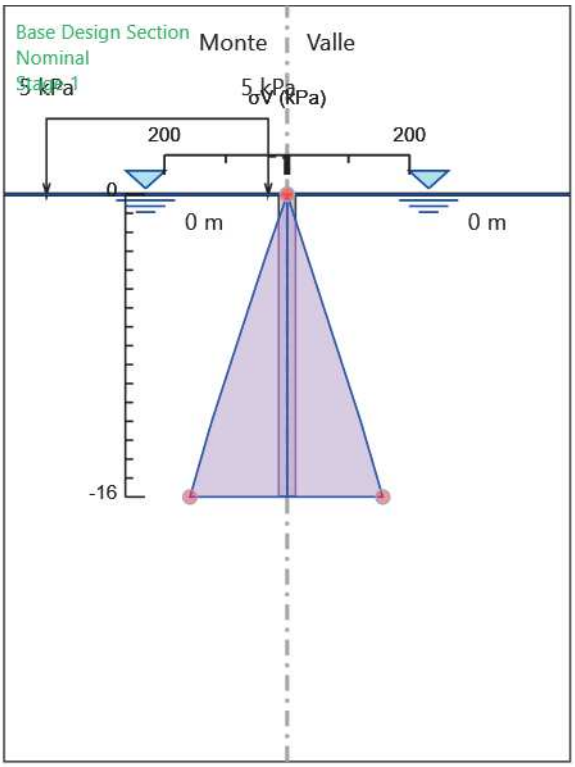
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	0	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 7	-0.2	2.327	0.768	UL-RL	0.249	6.738	0	1.673	0.164	0	2.441
Stage 7	-0.4	4.655	1.362	UL-RL	0.249	6.738	0	3.345	0.164	0	4.707
Stage 7	-0.6	6.982	1.955	UL-RL	0.249	6.738	0	5.018	0.164	0	6.973
Stage 7	-0.8	9.309	2.548	UL-RL	0.249	6.738	0	6.691	0.164	0	9.239
Stage 7	-1	11.636	3.142	UL-RL	0.249	6.738	0	8.364	0.164	0	11.505
Stage 7	-1.2	13.964	3.735	UL-RL	0.249	6.738	0	10.036	0.164	0	13.771
Stage 7	-1.4	16.291	4.328	UL-RL	0.249	6.738	0	11.709	0.164	0	16.037
Stage 7	-1.6	18.618	4.921	UL-RL	0.249	6.738	0	13.382	0.164	0	18.302
Stage 7	-1.8	20.945	5.513	UL-RL	0.249	6.738	0	15.055	0.164	0	20.568
Stage 7	-2	23.273	6.105	UL-RL	0.249	6.738	0	16.727	0.164	0	22.833
Stage 7	-2.2	25.6	6.697	UL-RL	0.249	6.738	0	18.4	0.164	0	25.097
Stage 7	-2.4	27.927	7.289	UL-RL	0.249	6.738	0	20.073	0.164	0	27.361
Stage 7	-2.6	30.255	7.879	UL-RL	0.249	6.738	0	21.745	0.164	0	29.625
Stage 7	-2.8	32.582	8.47	UL-RL	0.249	6.738	0	23.418	0.164	0	31.888
Stage 7	-3	34.909	9.06	UL-RL	0.249	6.738	0	25.091	0.164	0	34.151
Stage 7	-3.2	37.236	9.649	UL-RL	0.249	6.738	0	26.764	0.164	0	36.413
Stage 7	-3.4	39.564	10.238	UL-RL	0.249	6.738	0	28.436	0.164	0	38.674
Stage 7	-3.6	41.891	10.826	UL-RL	0.249	6.738	0	30.109	0.164	0	40.935
Stage 7	-3.8	44.218	11.413	UL-RL	0.249	6.738	0	31.782	0.164	0	43.195
Stage 7	-4	46.545	12	UL-RL	0.249	6.738	0	33.455	0.164	0	45.455
Stage 7	-4.2	48.873	12.586	UL-RL	0.249	6.738	0	35.127	0.164	0	47.714
Stage 7	-4.4	51.2	13.172	UL-RL	0.249	6.738	0	36.8	0.164	0	49.972
Stage 7	-4.6	53.527	13.758	UL-RL	0.249	6.738	0	38.473	0.164	0	52.23
Stage 7	-4.8	55.855	14.342	UL-RL	0.249	6.738	0	40.145	0.164	0	54.488
Stage 7	-5	58.182	14.927	UL-RL	0.249	6.738	0	41.818	0.164	0	56.745
Stage 7	-5.2	60.509	15.511	UL-RL	0.249	6.738	0	43.491	0.164	0	59.002
Stage 7	-5.4	62.836	16.094	UL-RL	0.249	6.738	0	45.164	0.164	0	61.258
Stage 7	-5.6	65.164	16.678	UL-RL	0.249	6.738	0	46.836	0.164	0	63.514
Stage 7	-5.8	67.491	17.261	UL-RL	0.249	6.738	0	48.509	0.164	0	65.77
Stage 7	-6	69.818	17.844	UL-RL	0.249	6.738	0	50.182	0.164	0	68.026
Stage 7	-6.2	72.145	18.427	UL-RL	0.249	6.738	0	51.855	0.164	0	70.281
Stage 7	-6.4	74.473	19.01	UL-RL	0.249	6.738	0	53.527	0.164	0	72.537
Stage 7	-6.6	76.8	19.592	UL-RL	0.249	6.738	0	55.2	0.164	0	74.792
Stage 7	-6.8	79.127	20.175	UL-RL	0.249	6.738	0	56.873	0.164	0	77.048
Stage 7	-7	81.455	20.758	UL-RL	0.249	6.738	0	58.545	0.164	0	79.303
Stage 7	-7.2	83.782	21.341	UL-RL	0.249	6.738	0	60.218	0.164	0	81.559
Stage 7	-7.4	86.109	21.923	UL-RL	0.249	6.738	0	61.891	0.164	0	83.814
Stage 7	-7.6	88.436	22.506	UL-RL	0.249	6.738	0	63.564	0.164	0	86.07
Stage 7	-7.8	90.764	23.09	UL-RL	0.249	6.738	0	65.236	0.164	0	88.326
Stage 7	-8	93.091	23.673	UL-RL	0.249	6.738	0	66.909	0.164	0	90.582
Stage 7	-8.2	95.418	24.257	UL-RL	0.249	6.738	0	68.582	0.164	0	92.838
Stage 7	-8.4	97.745	24.84	UL-RL	0.249	6.738	0	70.255	0.164	0	95.095
Stage 7	-8.6	100.073	25.425	UL-RL	0.249	6.738	0	71.927	0.164	0	97.352
Stage 7	-8.8	102.4	26.009	UL-RL	0.249	6.738	0	73.6	0.164	0	99.609
Stage 7	-9	104.727	26.594	UL-RL	0.249	6.738	0	75.273	0.164	0	101.867
Stage 7	-9.2	107.054	27.179	UL-RL	0.249	6.738	0	76.945	0.164	0	104.125
Stage 7	-9.4	109.382	27.765	UL-RL	0.249	6.738	0	78.618	0.164	0	106.383
Stage 7	-9.6	111.709	28.351	UL-RL	0.249	6.738	0	80.291	0.164	0	108.642
Stage 7	-9.8	114.036	28.938	UL-RL	0.249	6.738	0	81.964	0.164	0	110.901
Stage 7	-10	116.364	29.525	UL-RL	0.249	6.738	0	83.636	0.164	0	113.161
Stage 7	-10.2	118.691	30.112	UL-RL	0.249	6.738	0	85.309	0.164	0	115.421
Stage 7	-10.4	121.018	30.7	UL-RL	0.249	6.738	0	86.982	0.164	0	117.682
Stage 7	-10.6	123.345	31.289	UL-RL	0.249	6.738	0	88.654	0.164	0	119.943
Stage 7	-10.8	125.673	31.878	UL-RL	0.249	6.738	0	90.327	0.164	0	122.205
Stage 7	-11	128	32.467	UL-RL	0.249	6.738	0	92	0.164	0	124.467
Stage 7	-11.2	130.327	33.057	UL-RL	0.249	6.738	0	93.673	0.164	0	126.73
Stage 7	-11.4	132.654	33.647	UL-RL	0.249	6.738	0	95.345	0.164	0	128.993

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	-11.6	134.982	34.238	UL-RL	0.249	6.738	0	97.018	0.164	0	131.256
Stage 7	-11.8	137.309	34.829	UL-RL	0.249	6.738	0	98.691	0.164	0	133.52
Stage 7	-12	139.636	35.45	UL-RL	0.249	6.738	0	100.364	0.164	0	135.813
Stage 7	-12.2	141.764	49.859	UL-RL	0.39	3.404	5	102.036	0.164	0	151.896
Stage 7	-12.4	143.891	50.751	UL-RL	0.39	3.404	5	103.709	0.164	0	154.46
Stage 7	-12.6	146.018	51.639	UL-RL	0.39	3.404	5	105.382	0.164	0	157.021
Stage 7	-12.8	148.145	55.601	UL-RL	0.39	3.404	5	107.054	0.164	0	162.655
Stage 7	-13	150.273	59.963	UL-RL	0.39	3.404	5	108.727	0.164	0	168.69
Stage 7	-13.2	152.4	64.182	UL-RL	0.39	3.404	5	110.4	0.164	0	174.582
Stage 7	-13.4	154.527	67.714	UL-RL	0.39	3.404	5	112.073	0.164	0	179.786
Stage 7	-13.6	156.654	70.98	UL-RL	0.39	3.404	5	113.745	0.164	0	184.726
Stage 7	-13.8	158.782	73.396	UL-RL	0.39	3.404	5	115.418	0.164	0	188.814
Stage 7	-14	160.909	75.281	UL-RL	0.39	3.404	5	117.091	0.164	0	192.372
Stage 7	-14.2	163.036	77.136	UL-RL	0.39	3.404	5	118.764	0.164	0	195.9
Stage 7	-14.4	165.164	78.967	UL-RL	0.39	3.404	5	120.436	0.164	0	199.404
Stage 7	-14.6	167.291	80.78	UL-RL	0.39	3.404	5	122.109	0.164	0	202.889
Stage 7	-14.8	169.418	82.578	UL-RL	0.39	3.404	5	123.782	0.164	0	206.36
Stage 7	-15	171.545	84.366	UL-RL	0.39	3.404	5	125.454	0.164	0	209.82
Stage 7	-15.2	173.673	86.147	UL-RL	0.39	3.404	5	127.127	0.164	0	213.274
Stage 7	-15.4	175.8	87.978	UL-RL	0.39	3.404	5	128.8	0.164	0	216.778
Stage 7	-15.6	177.927	89.809	UL-RL	0.39	3.404	5	130.473	0.164	0	220.282
Stage 7	-15.8	180.054	91.639	UL-RL	0.39	3.404	5	132.145	0.164	0	223.784
Stage 7	-16	182.182	93.469	UL-RL	0.39	3.404	5	133.818	0.164	0	227.287

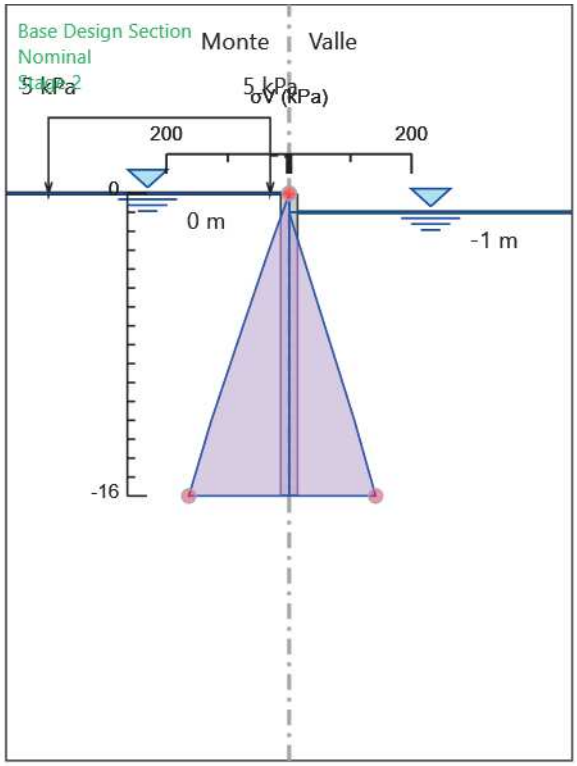
Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.6	0.836	5.422	UL-RL	0.249	6.738	0	1.164	0.164	0	6.586
Stage 7	-4.8	2.509	16.69	UL-RL	0.249	6.738	0	3.491	0.164	0	20.181
Stage 7	-5	4.182	27.959	UL-RL	0.249	6.738	0	5.818	0.164	0	33.777
Stage 7	-5.2	5.855	39.227	UL-RL	0.249	6.738	0	8.145	0.164	0	47.373
Stage 7	-5.4	7.527	50.496	UL-RL	0.249	6.738	0	10.473	0.164	0	60.969
Stage 7	-5.6	9.2	61.765	UL-RL	0.249	6.738	0	12.8	0.164	0	74.565
Stage 7	-5.8	10.873	73.034	UL-RL	0.249	6.738	0	15.127	0.164	0	88.161
Stage 7	-6	12.545	84.303	UL-RL	0.249	6.738	0	17.455	0.164	0	101.757
Stage 7	-6.2	14.218	95.572	UL-RL	0.249	6.738	0	19.782	0.164	0	115.354
Stage 7	-6.4	15.891	106.841	UL-RL	0.249	6.738	0	22.109	0.164	0	128.95
Stage 7	-6.6	17.564	118.11	UL-RL	0.249	6.738	0	24.436	0.164	0	142.547
Stage 7	-6.8	19.236	120.567	UL-RL	0.249	6.738	0	26.764	0.164	0	147.331
Stage 7	-7	20.909	116.625	UL-RL	0.249	6.738	0	29.091	0.164	0	145.716
Stage 7	-7.2	22.582	112.833	UL-RL	0.249	6.738	0	31.418	0.164	0	144.251
Stage 7	-7.4	24.255	109.194	UL-RL	0.249	6.738	0	33.745	0.164	0	142.94
Stage 7	-7.6	25.927	105.712	UL-RL	0.249	6.738	0	36.073	0.164	0	141.784
Stage 7	-7.8	27.6	102.387	UL-RL	0.249	6.738	0	38.4	0.164	0	140.787
Stage 7	-8	29.273	99.221	UL-RL	0.249	6.738	0	40.727	0.164	0	139.948
Stage 7	-8.2	30.945	96.214	UL-RL	0.249	6.738	0	43.055	0.164	0	139.268
Stage 7	-8.4	32.618	93.366	UL-RL	0.249	6.738	0	45.382	0.164	0	138.748
Stage 7	-8.6	34.291	90.675	UL-RL	0.249	6.738	0	47.709	0.164	0	138.384
Stage 7	-8.8	35.964	88.141	UL-RL	0.249	6.738	0	50.036	0.164	0	138.178
Stage 7	-9	37.636	85.762	UL-RL	0.249	6.738	0	52.364	0.164	0	138.126
Stage 7	-9.2	39.309	83.535	UL-RL	0.249	6.738	0	54.691	0.164	0	138.226
Stage 7	-9.4	40.982	81.457	UL-RL	0.249	6.738	0	57.018	0.164	0	138.475
Stage 7	-9.6	42.655	79.526	UL-RL	0.249	6.738	0	59.345	0.164	0	138.871
Stage 7	-9.8	44.327	77.738	UL-RL	0.249	6.738	0	61.673	0.164	0	139.41
Stage 7	-10	46	76.088	UL-RL	0.249	6.738	0	64	0.164	0	140.088
Stage 7	-10.2	47.673	74.574	UL-RL	0.249	6.738	0	66.327	0.164	0	140.902
Stage 7	-10.4	49.345	73.191	UL-RL	0.249	6.738	0	68.654	0.164	0	141.846
Stage 7	-10.6	51.018	71.934	UL-RL	0.249	6.738	0	70.982	0.164	0	142.916
Stage 7	-10.8	52.691	70.798	UL-RL	0.249	6.738	0	73.309	0.164	0	144.107
Stage 7	-11	54.364	69.778	UL-RL	0.249	6.738	0	75.636	0.164	0	145.414
Stage 7	-11.2	56.036	68.869	UL-RL	0.249	6.738	0	77.964	0.164	0	146.832
Stage 7	-11.4	57.709	68.064	UL-RL	0.249	6.738	0	80.291	0.164	0	148.355
Stage 7	-11.6	59.382	67.36	UL-RL	0.249	6.738	0	82.618	0.164	0	149.978
Stage 7	-11.8	61.054	66.749	UL-RL	0.249	6.738	0	84.945	0.164	0	151.694
Stage 7	-12	62.727	66.213	UL-RL	0.249	6.738	0	87.273	0.164	0	153.486

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	-12.2	64.2	63.199	UL-RL	0.39	3.404	5	89.6	0.164	0	152.799
Stage 7	-12.4	65.673	63.033	UL-RL	0.39	3.404	5	91.927	0.164	0	154.96
Stage 7	-12.6	67.145	62.918	UL-RL	0.39	3.404	5	94.254	0.164	0	157.172
Stage 7	-12.8	68.618	61.338	UL-RL	0.39	3.404	5	96.582	0.164	0	157.919
Stage 7	-13	70.091	59.578	UL-RL	0.39	3.404	5	98.909	0.164	0	158.487
Stage 7	-13.2	71.564	57.93	UL-RL	0.39	3.404	5	101.236	0.164	0	159.167
Stage 7	-13.4	73.036	56.382	UL-RL	0.39	3.404	5	103.564	0.164	0	159.946
Stage 7	-13.6	74.509	54.921	UL-RL	0.39	3.404	5	105.891	0.164	0	160.812
Stage 7	-13.8	75.982	53.535	UL-RL	0.39	3.404	5	108.218	0.164	0	161.753
Stage 7	-14	77.454	52.212	UL-RL	0.39	3.404	5	110.545	0.164	0	162.758
Stage 7	-14.2	78.927	50.943	UL-RL	0.39	3.404	5	112.873	0.164	0	163.816
Stage 7	-14.4	80.4	49.717	UL-RL	0.39	3.404	5	115.2	0.164	0	164.917
Stage 7	-14.6	81.873	48.527	UL-RL	0.39	3.404	5	117.527	0.164	0	166.054
Stage 7	-14.8	83.345	47.363	UL-RL	0.39	3.404	5	119.854	0.164	0	167.217
Stage 7	-15	84.818	46.22	UL-RL	0.39	3.404	5	122.182	0.164	0	168.401
Stage 7	-15.2	86.291	45.09	UL-RL	0.39	3.404	5	124.509	0.164	0	169.599
Stage 7	-15.4	87.764	43.97	UL-RL	0.39	3.404	5	126.836	0.164	0	170.806
Stage 7	-15.6	89.236	42.855	UL-RL	0.39	3.404	5	129.164	0.164	0	172.019
Stage 7	-15.8	90.709	41.743	UL-RL	0.39	3.404	5	131.491	0.164	0	173.234
Stage 7	-16	92.182	40.631	UL-RL	0.39	3.404	5	133.818	0.164	0	174.449

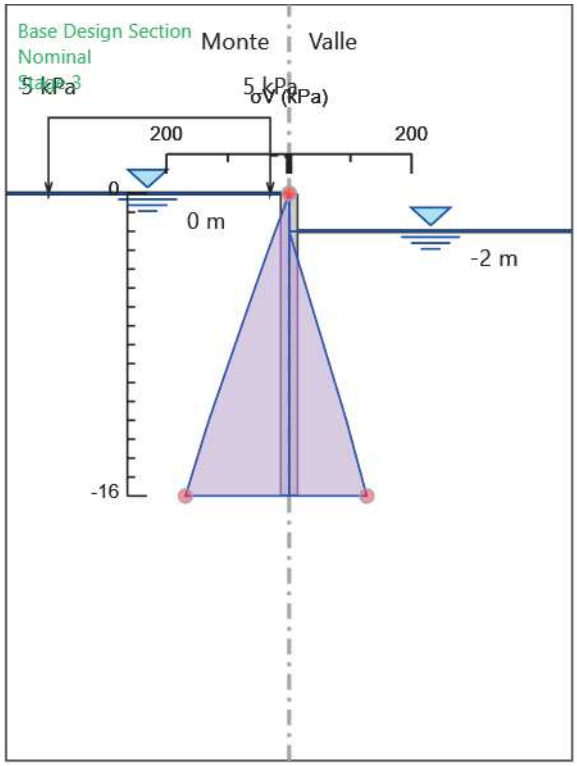
Grafico Risultati Terreno Sigma V



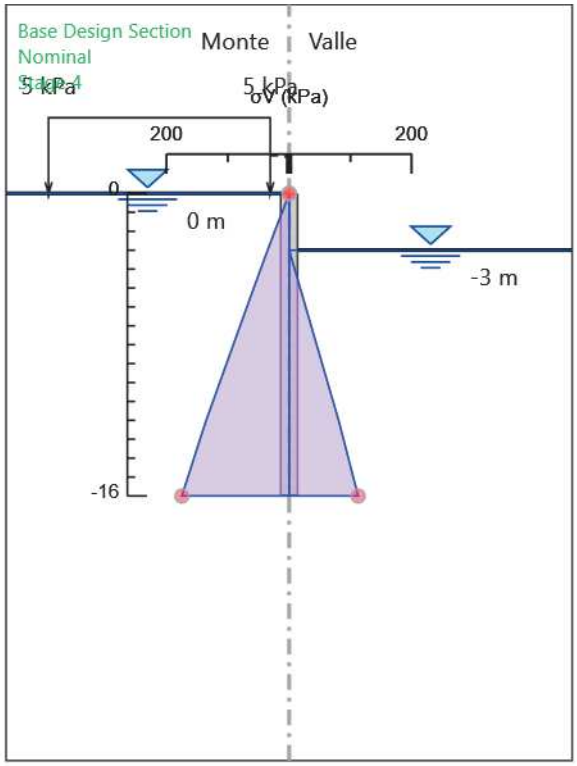
Design Assumption: Nominal
Stage: Stage 1
Sigma V



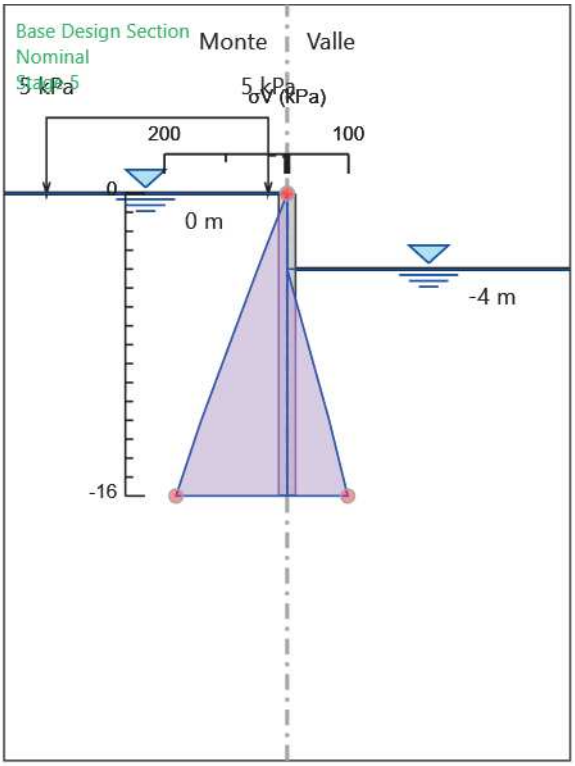
Design Assumption: Nominal
Stage: Stage 2
Sigma V



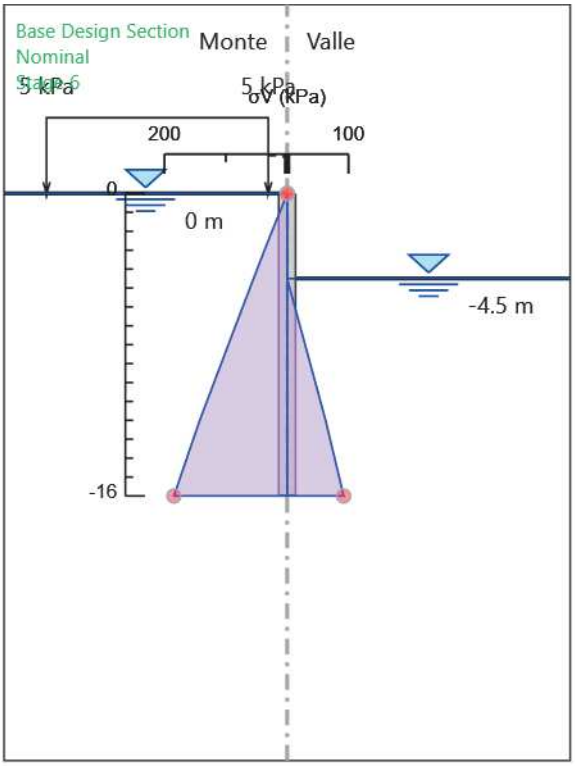
Design Assumption: Nominal
Stage: Stage 3
Sigma V



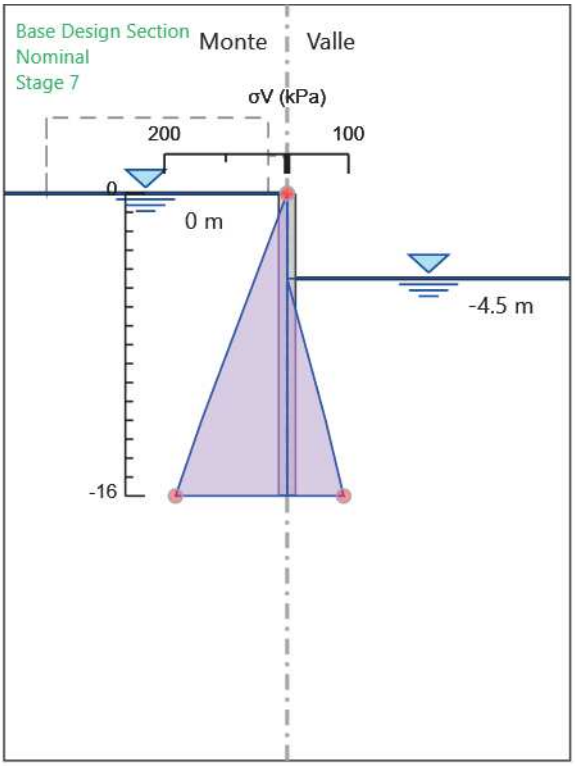
Design Assumption: Nominal
Stage: Stage 4
Sigma V



Design Assumption: Nominal
Stage: Stage 5
Sigma V

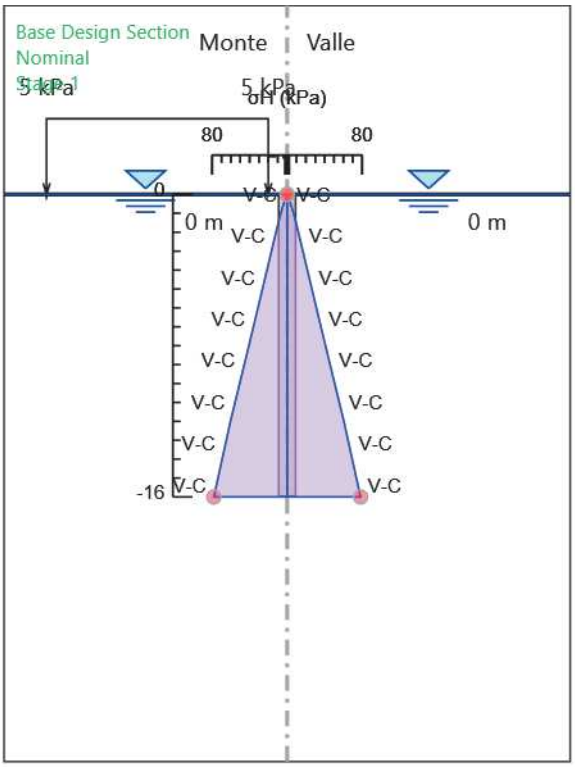


Design Assumption: Nominal
Stage: Stage 6
Sigma V

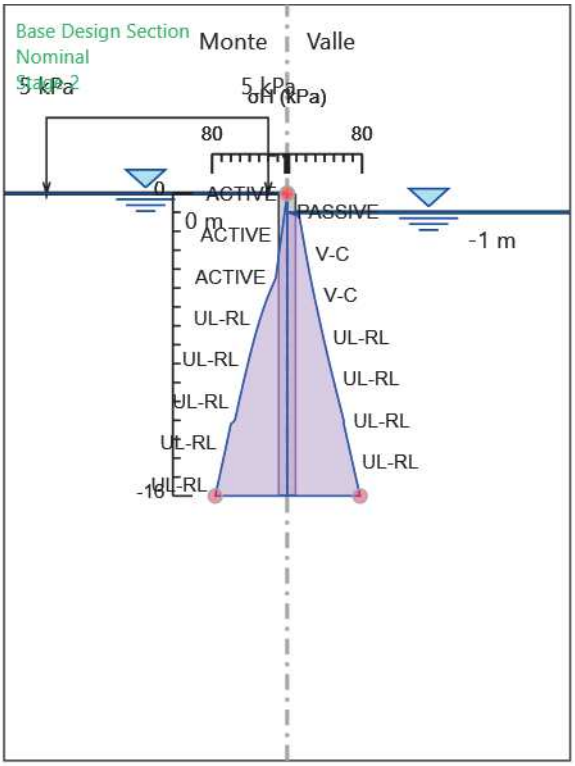


Design Assumption: Nominal
Stage: Stage 7
Sigma V

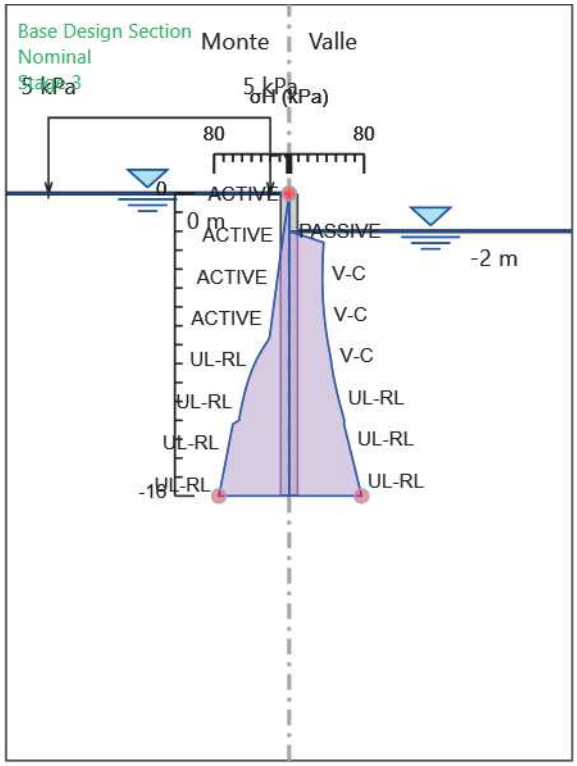
Grafico Risultati Terreno Sigma H



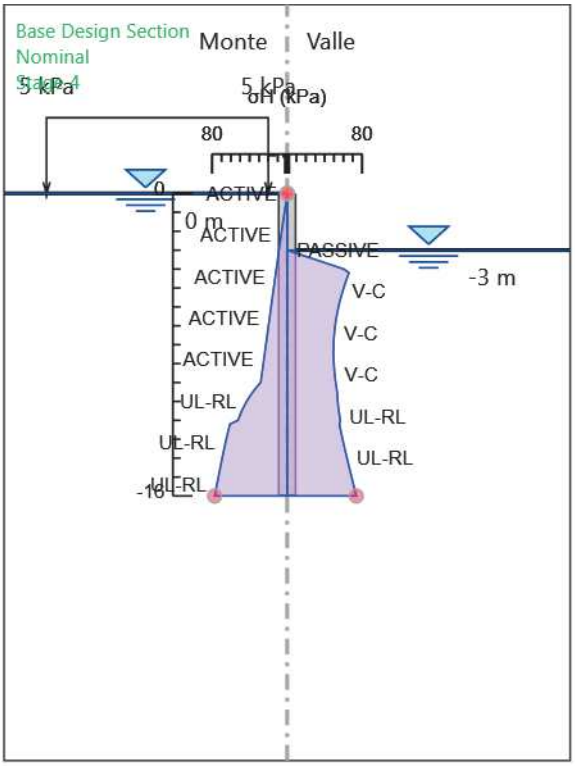
Design Assumption: Nominal
Stage: Stage 1
Sigma H



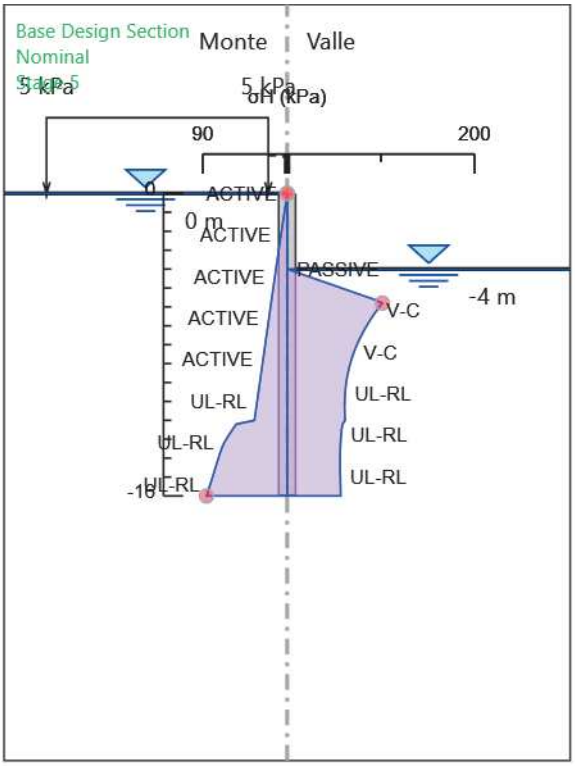
Design Assumption: Nominal
Stage: Stage 2
Sigma H



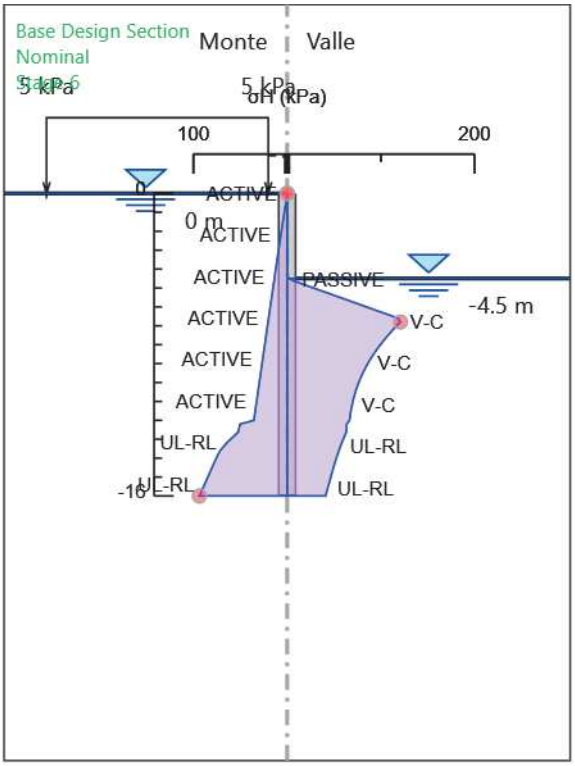
Design Assumption: Nominal
Stage: Stage 3
Sigma H



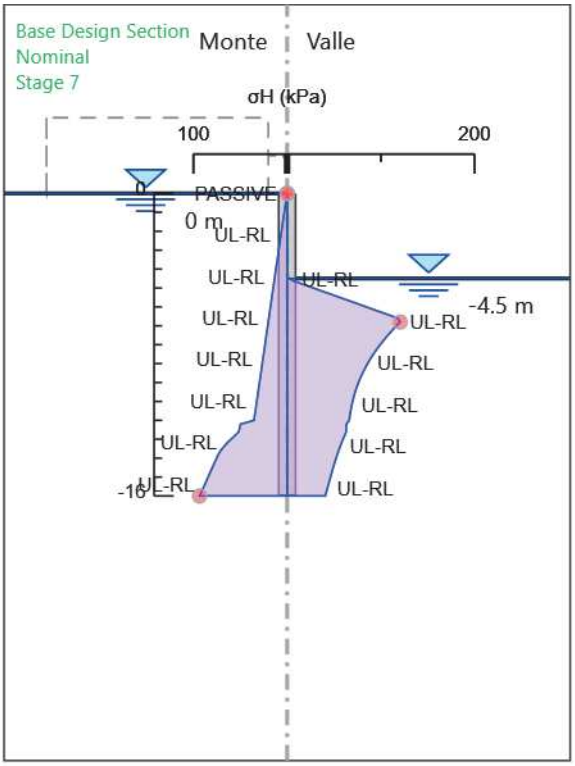
Design Assumption: Nominal
Stage: Stage 4
Sigma H



Design Assumption: Nominal
Stage: Stage 5
Sigma H

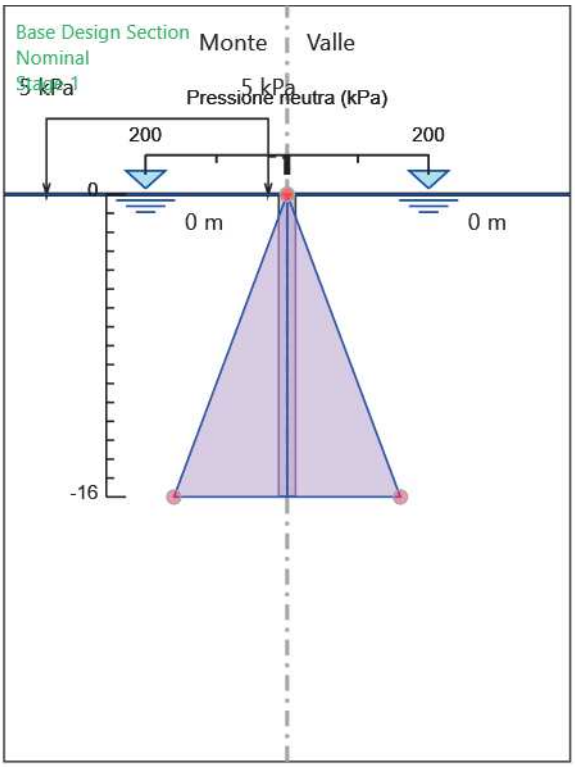


Design Assumption: Nominal
Stage: Stage 6
Sigma H

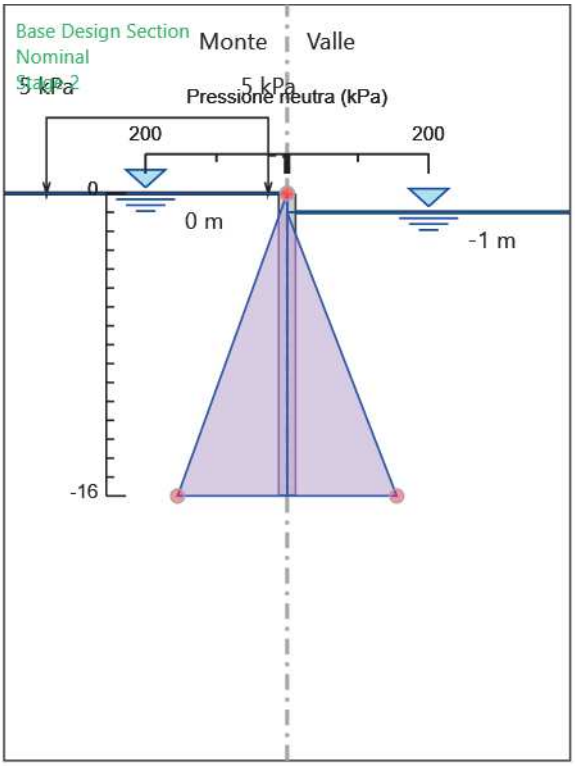


Design Assumption: Nominal
Stage: Stage 7
Sigma H

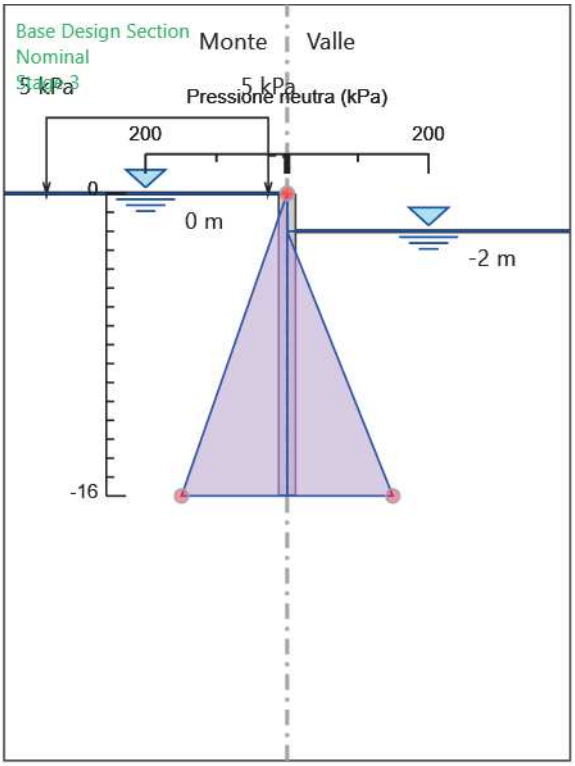
Grafico Risultati Terreno Pressione neutra



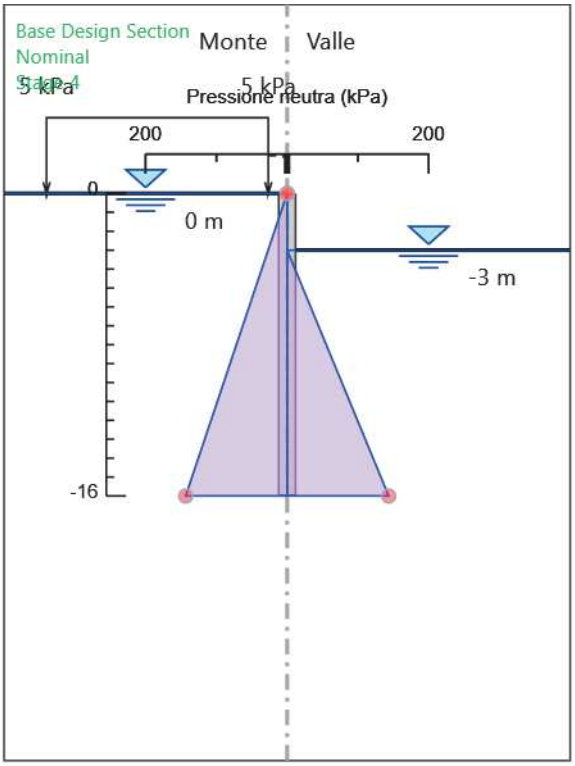
Design Assumption: Nominal
Stage: Stage 1
Pressione neutra



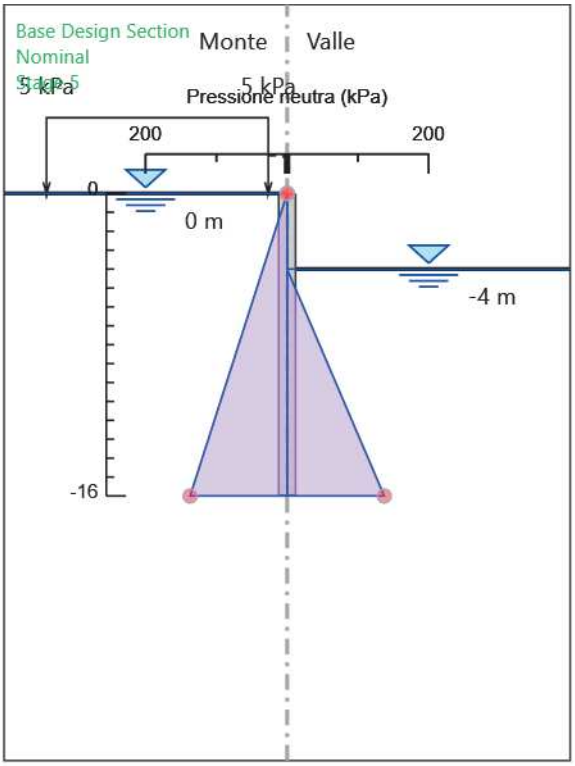
Design Assumption: Nominal
Stage: Stage 2
Pressione neutra



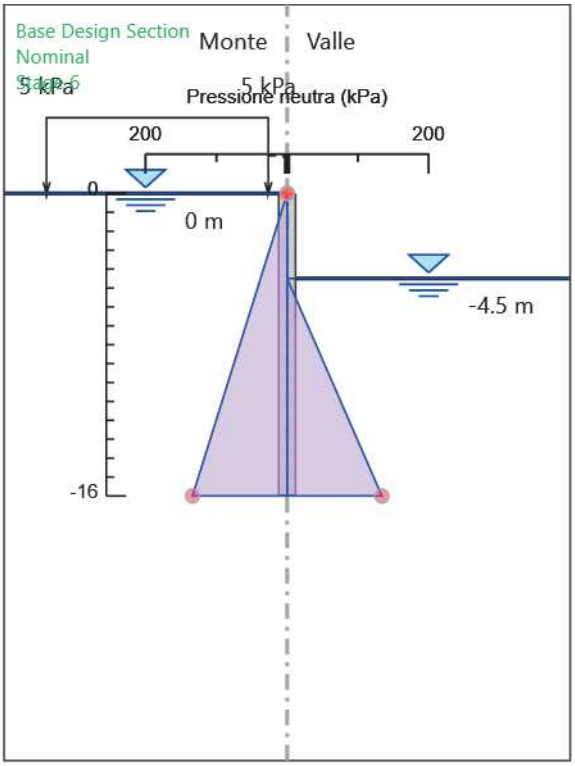
Design Assumption: Nominal
Stage: Stage 3
Pressione neutra



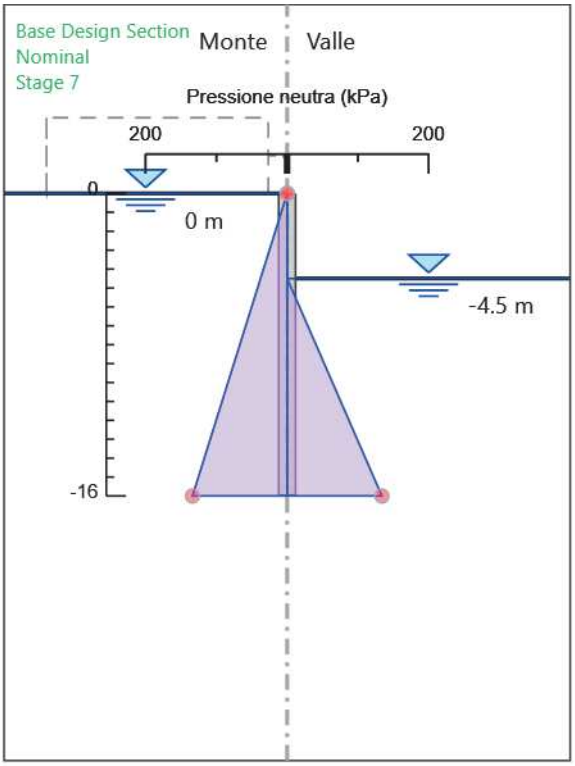
Design Assumption: Nominal
Stage: Stage 4
Pressione neutra



Design Assumption: Nominal
Stage: Stage 5
Pressione neutra

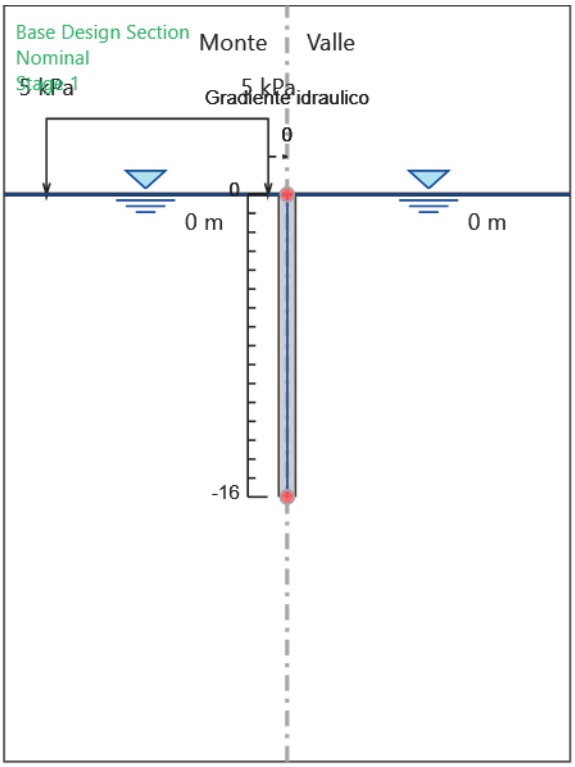


Design Assumption: Nominal
Stage: Stage 6
Pressione neutra

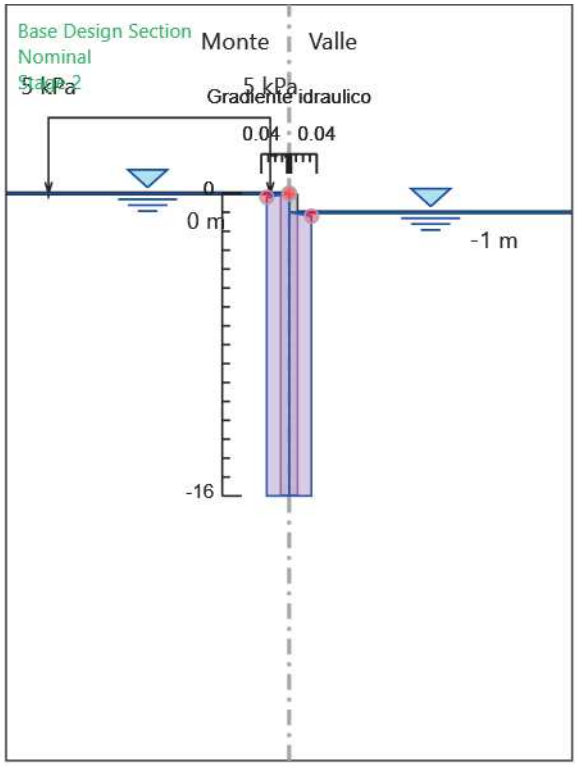


Design Assumption: Nominal
Stage: Stage 7
Pressione neutra

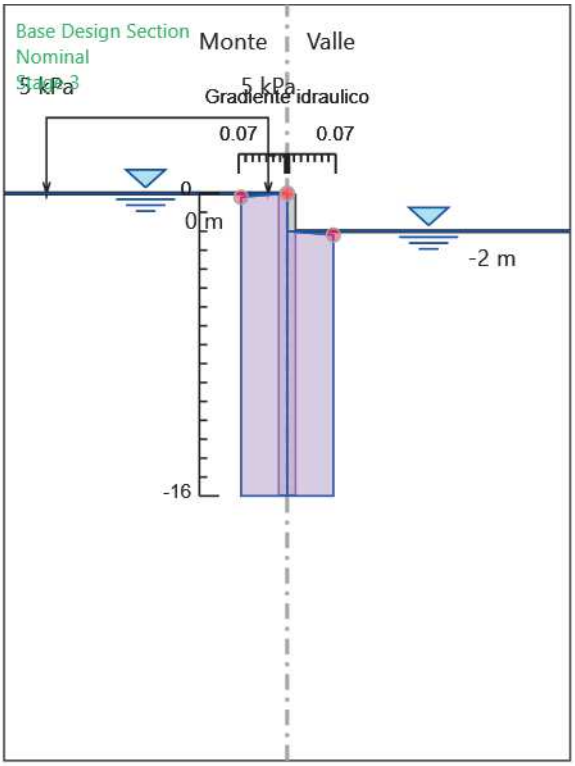
Grafico Risultati Terreno Gradiente idraulico



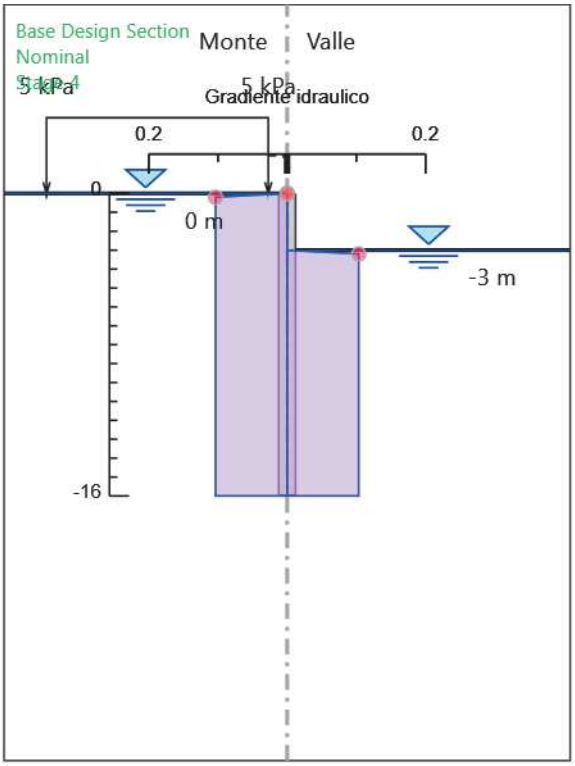
Design Assumption: Nominal
Stage: Stage 1
Gradiente idraulico



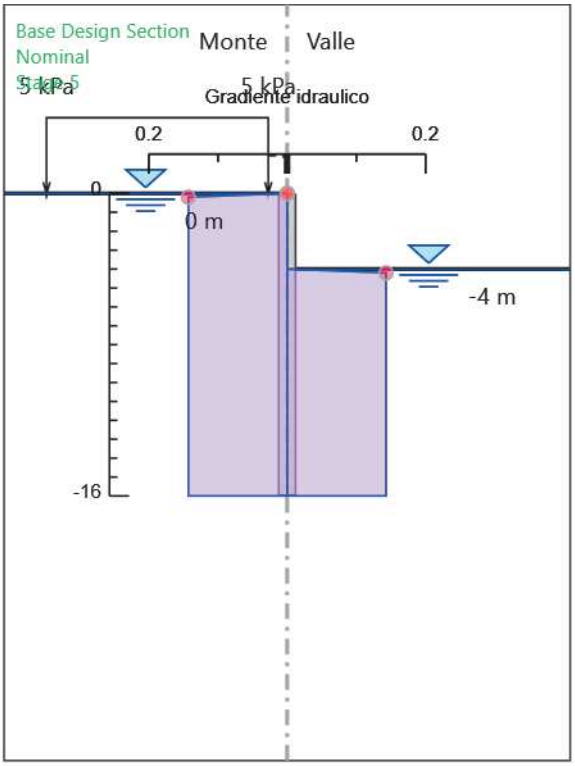
Design Assumption: Nominal
Stage: Stage 2
Gradiente idraulico



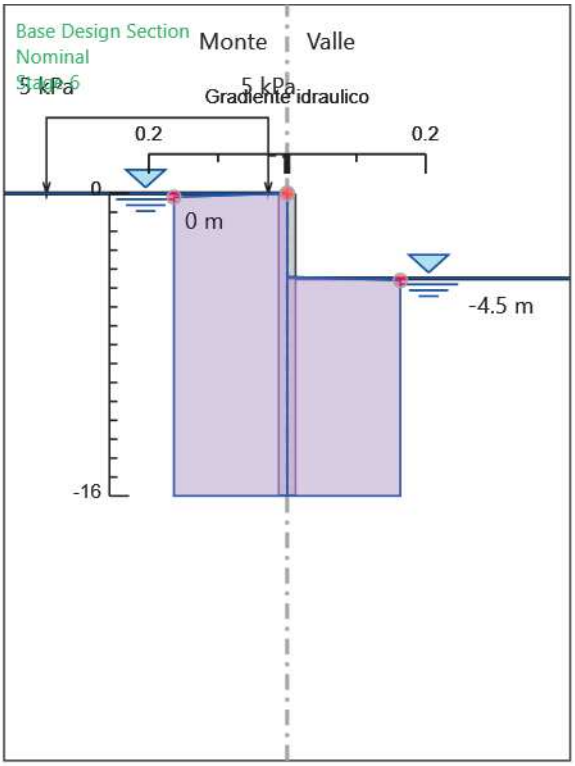
Design Assumption: Nominal
Stage: Stage 3
Gradiente idraulico



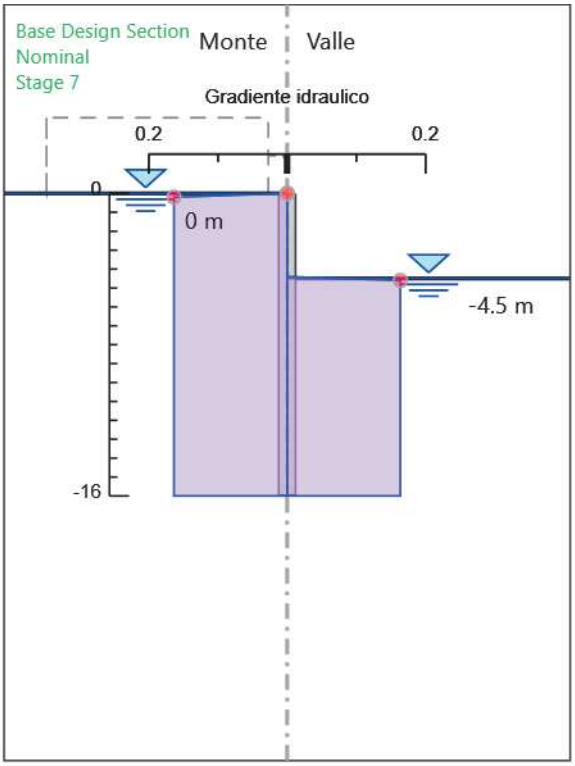
Design Assumption: Nominal
Stage: Stage 4
Gradiente idraulico



Design Assumption: Nominal
Stage: Stage 5
Gradiente idraulico

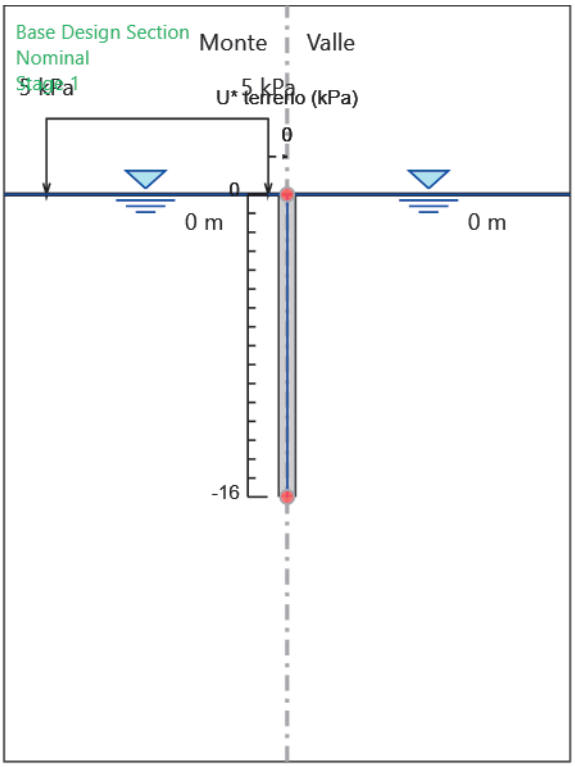


Design Assumption: Nominal
Stage: Stage 6
Gradiente idraulico

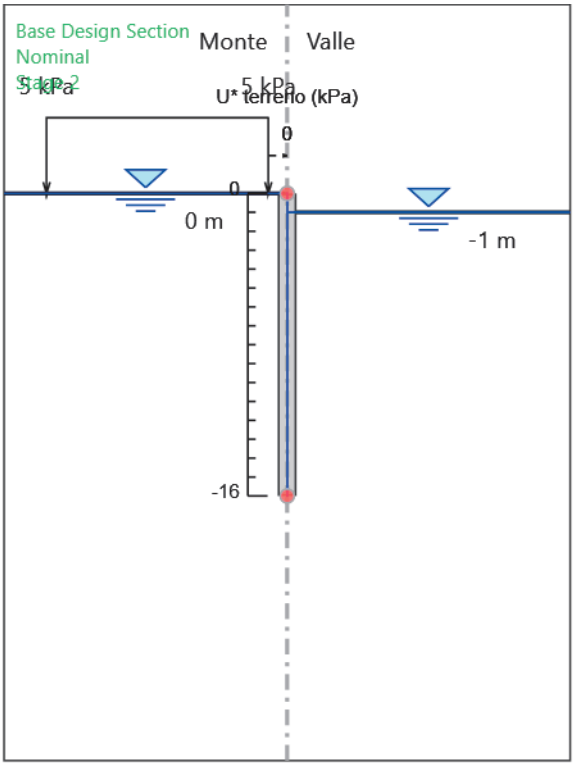


Design Assumption: Nominal
Stage: Stage 7
Gradiente idraulico

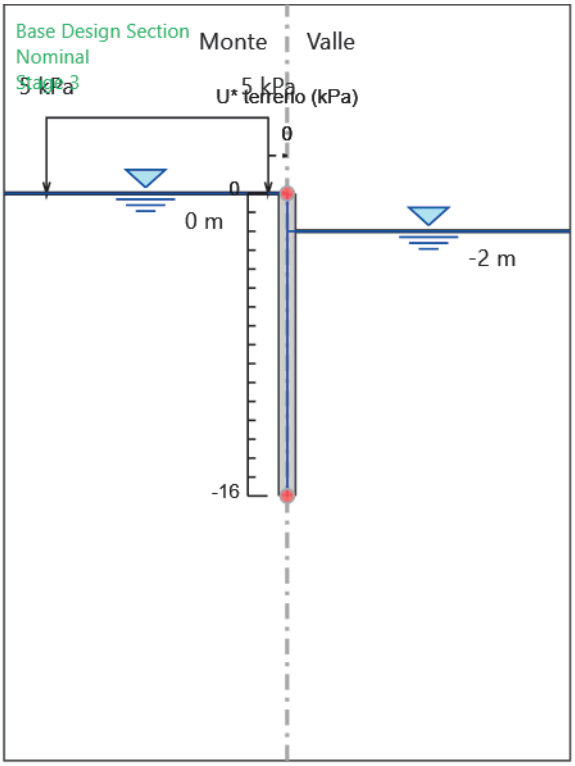
Grafico Risultati Terreno U* terreno



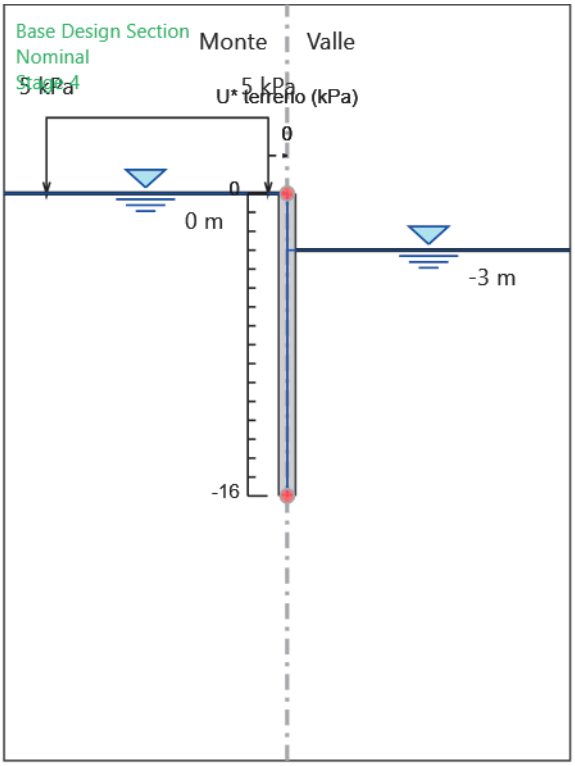
Design Assumption: Nominal
Stage: Stage 1
U* terreno



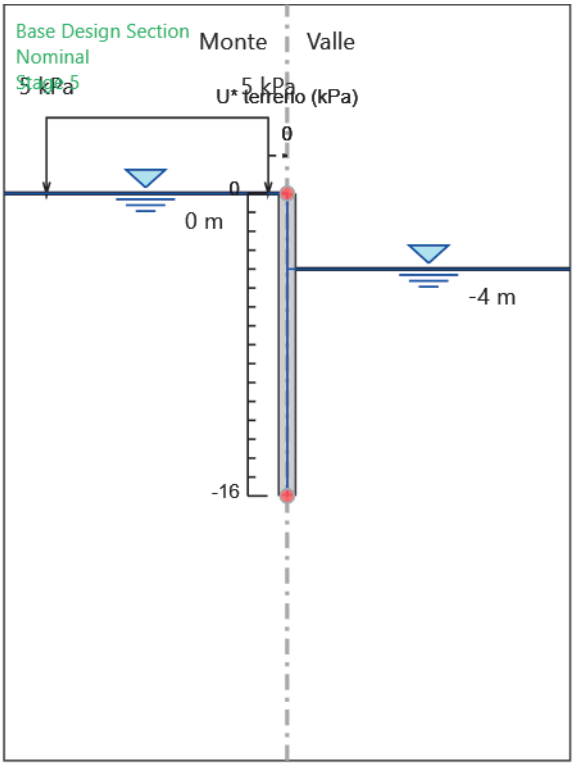
Design Assumption: Nominal
Stage: Stage 2
U* terreno



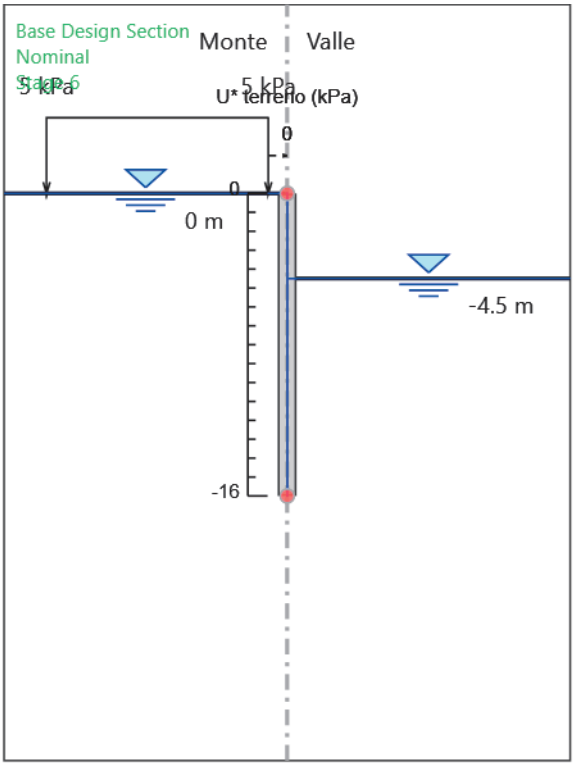
Design Assumption: Nominal
Stage: Stage 3
U* terreno



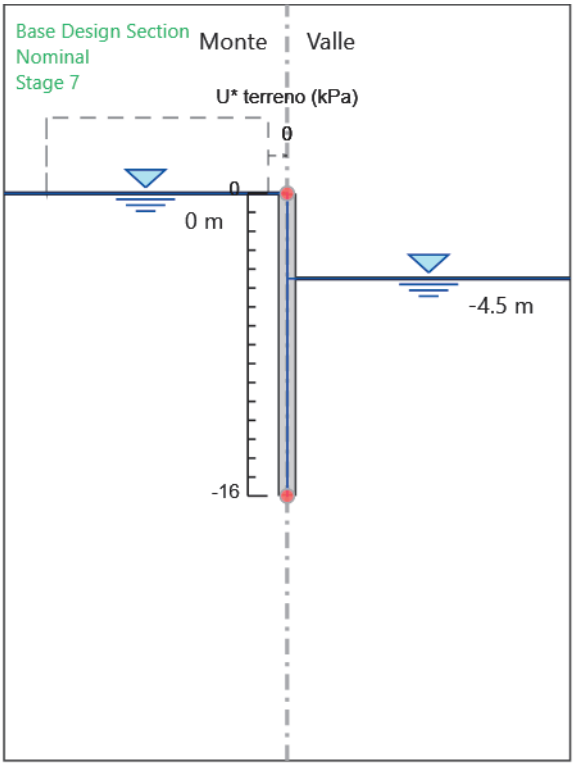
Design Assumption: Nominal
Stage: Stage 4
U* terreno



Design Assumption: Nominal
Stage: Stage 5
U* terreno



Design Assumption: Nominal
Stage: Stage 6
U* terreno



Design Assumption: Nominal
Stage: Stage 7
U* terreno

Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva	Pressione neutra	Vera Totale	Min ammissibile	Max ammissibile	Percentuale di	Vera /
	(kN/m)	(kN/m)	(kN/m)	(kN/m)	(kN/m)	resistenza massima	Attiva
Stage 1	651.5	1280	1931.5	379.9	7069.9	9.22%	1.71
Stage 2	575.3	1238.7	1814	392.7	7289.2	7.89%	1.46
Stage 3	528.7	1194.7	1723.4	406.3	7523.1	7.03%	1.3
Stage 4	503.1	1147.6	1650.7	420.9	7773.1	6.47%	1.2
Stage 5	497.7	1097.1	1594.8	436.5	8041	6.19%	1.14
Stage 6	505.6	1070.5	1576.1	444.7	8182.2	6.18%	1.14
Stage 7	502.5	1070.5	1573.1	433.3	7954.7	6.32%	1.16

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva	Pressione neutra	Vera Totale	Min ammissibile	Max ammissibile	Percentuale di	Vera /
	(kN/m)	(kN/m)	(kN/m)	(kN/m)	(kN/m)	resistenza massima	Attiva
Stage 1	651.5	1280	1931.5	368.5	6842.3	9.52%	1.77
Stage 2	652.7	1161.3	1814	313.1	5738.2	11.37%	2.08
Stage 3	678	1045.3	1723.4	262.1	4745.2	14.29%	2.59
Stage 4	718.3	932.4	1650.7	215.6	3861	18.6%	3.33
Stage 5	771.9	822.9	1594.7	173.6	3082.8	25.04%	4.45
Stage 6	806.6	769.5	1576.1	154.2	2732.7	29.52%	5.23
Stage 7	803.6	769.5	1573.1	154.2	2732.7	29.41%	5.21

Allegati

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

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+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                 Exe Time :24 May 2018       18:25:47                                              |
+-------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                                 >
ACCEPTED   <FILE,PLOTTER,BINARY                                                       >
ACCEPTED   <SOLVE TOTAL_STRESS                                                        >
ACCEPTED   <PARAM ITEMAX 40                                                           >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                             >



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

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 102
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:25:47                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

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

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5E+04 1.5E+05
   15 : ENDL
   16 : LDATA Ug6_741_743_L_0 -12 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 18.5 9 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 5 26
   21 : YOUNG 3E+04 9E+04
   22 : ENDL
   23 : MATERIAL S355_114 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.8121 00 00 0
   26 : STRIP LeftWall_32 1 6 1 11.75 0 5 45
   27 : STEP Stage1_31
   28 : CHANGE Ug5_2_8_L_0 U-FRICT=37 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   30 : CHANGE Ug5_2_8_L_0 U-KA=0.249 LeftWall_32
   31 : CHANGE Ug5_2_8_L_0 U-KP=6.738 LeftWall_32
   32 : CHANGE Ug5_2_8_L_0 D-KA=0.249 LeftWall_32
   33 : CHANGE Ug5_2_8_L_0 D-KP=6.738 LeftWall_32
   34 : CHANGE Ug6_741_743_L_0 U-FRICT=26 LeftWall_32
   35 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   36 : CHANGE Ug6_741_743_L_0 U-KA=0.39 LeftWall_32
   37 : CHANGE Ug6_741_743_L_0 U-KP=3.404 LeftWall_32
   38 : CHANGE Ug6_741_743_L_0 D-KA=0.39 LeftWall_32
   39 : CHANGE Ug6_741_743_L_0 D-KP=3.404 LeftWall_32
   40 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   41 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   42 : CHANGE Ug6_741_743_L_0 U-COHE=5 LeftWall_32
   43 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   44 : SETWALL LeftWall_32
   45 : GEOM 0 0
   46 : WATER 0 0 -16 0 0
   47 : ADD WallElement_33
   48 : ENDSTEP
   49 : STEP Stage2_158
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   51 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   52 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   53 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   54 : SETWALL LeftWall_32
   55 : GEOM 0 -1
   56 : WATER 0 1 -16 0 0
   57 : ENDSTEP
   58 : STEP Stage3_255
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   60 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   61 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   62 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   63 : SETWALL LeftWall_32
   64 : GEOM 0 -2
   65 : WATER 0 2 -16 0 0
   66 : ENDSTEP
   67 : STEP Stage4_352
   68 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
```

```
 69 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 71 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 72 : SETWALL LeftWall_32
 73 : GEOM 0 -3
 74 : WATER 0 3 -16 0 0
 75 : ENDSTEP
 76 : STEP Stage5_449
 77 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 78 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 79 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 80 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 81 : SETWALL LeftWall_32
 82 : GEOM 0 -4
 83 : WATER 0 4 -16 0 0
 84 : ENDSTEP
 85 : STEP Stage6_546
 86 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 87 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 88 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 89 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 90 : SETWALL LeftWall_32
 91 : GEOM 0 -4.5
 92 : WATER 0 4.5 -16 0 0
 93 : ENDSTEP
 94 : STEP Stage7_643
 95 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 96 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 97 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 98 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 99 : SETWALL LeftWall_32
100 : GEOM 0 -4.5
101 : WATER 0 4.5 -16 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
```

36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

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

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.8121     0.000     0.000
    2    2    3    1    0.000     0.000    0.8121     0.000     0.000
    3    3    4    1    0.000     0.000    0.8121     0.000     0.000
    4    4    5    1    0.000     0.000    0.8121     0.000     0.000
    5    5    6    1    0.000     0.000    0.8121     0.000     0.000
    6    6    7    1    0.000     0.000    0.8121     0.000     0.000
    7    7    8    1    0.000     0.000    0.8121     0.000     0.000
    8    8    9    1    0.000     0.000    0.8121     0.000     0.000
    9    9   10    1    0.000     0.000    0.8121     0.000     0.000
   10   10   11    1    0.000     0.000    0.8121     0.000     0.000
   11   11   12    1    0.000     0.000    0.8121     0.000     0.000
   12   12   13    1    0.000     0.000    0.8121     0.000     0.000
   13   13   14    1    0.000     0.000    0.8121     0.000     0.000
   14   14   15    1    0.000     0.000    0.8121     0.000     0.000
   15   15   16    1    0.000     0.000    0.8121     0.000     0.000
   16   16   17    1    0.000     0.000    0.8121     0.000     0.000
   17   17   18    1    0.000     0.000    0.8121     0.000     0.000
   18   18   19    1    0.000     0.000    0.8121     0.000     0.000
   19   19   20    1    0.000     0.000    0.8121     0.000     0.000
   20   20   21    1    0.000     0.000    0.8121     0.000     0.000
   21   21   22    1    0.000     0.000    0.8121     0.000     0.000
   22   22   23    1    0.000     0.000    0.8121     0.000     0.000
   23   23   24    1    0.000     0.000    0.8121     0.000     0.000
   24   24   25    1    0.000     0.000    0.8121     0.000     0.000
   25   25   26    1    0.000     0.000    0.8121     0.000     0.000
   26   26   27    1    0.000     0.000    0.8121     0.000     0.000
   27   27   28    1    0.000     0.000    0.8121     0.000     0.000
   28   28   29    1    0.000     0.000    0.8121     0.000     0.000
```

29	29	30	1	0.000	0.000	0.8121	0.000	0.000
30	30	31	1	0.000	0.000	0.8121	0.000	0.000
31	31	32	1	0.000	0.000	0.8121	0.000	0.000
32	32	33	1	0.000	0.000	0.8121	0.000	0.000
33	33	34	1	0.000	0.000	0.8121	0.000	0.000
34	34	35	1	0.000	0.000	0.8121	0.000	0.000
35	35	36	1	0.000	0.000	0.8121	0.000	0.000
36	36	37	1	0.000	0.000	0.8121	0.000	0.000
37	37	38	1	0.000	0.000	0.8121	0.000	0.000
38	38	39	1	0.000	0.000	0.8121	0.000	0.000
39	39	40	1	0.000	0.000	0.8121	0.000	0.000
40	40	41	1	0.000	0.000	0.8121	0.000	0.000
41	41	42	1	0.000	0.000	0.8121	0.000	0.000
42	42	43	1	0.000	0.000	0.8121	0.000	0.000
43	43	44	1	0.000	0.000	0.8121	0.000	0.000
44	44	45	1	0.000	0.000	0.8121	0.000	0.000
45	45	46	1	0.000	0.000	0.8121	0.000	0.000
46	46	47	1	0.000	0.000	0.8121	0.000	0.000
47	47	48	1	0.000	0.000	0.8121	0.000	0.000
48	48	49	1	0.000	0.000	0.8121	0.000	0.000
49	49	50	1	0.000	0.000	0.8121	0.000	0.000
50	50	51	1	0.000	0.000	0.8121	0.000	0.000
51	51	52	1	0.000	0.000	0.8121	0.000	0.000
52	52	53	1	0.000	0.000	0.8121	0.000	0.000
53	53	54	1	0.000	0.000	0.8121	0.000	0.000
54	54	55	1	0.000	0.000	0.8121	0.000	0.000
55	55	56	1	0.000	0.000	0.8121	0.000	0.000
56	56	57	1	0.000	0.000	0.8121	0.000	0.000
57	57	58	1	0.000	0.000	0.8121	0.000	0.000
58	58	59	1	0.000	0.000	0.8121	0.000	0.000
59	59	60	1	0.000	0.000	0.8121	0.000	0.000
60	60	61	1	0.000	0.000	0.8121	0.000	0.000
61	61	62	1	0.000	0.000	0.8121	0.000	0.000
62	62	63	1	0.000	0.000	0.8121	0.000	0.000
63	63	64	1	0.000	0.000	0.8121	0.000	0.000
64	64	65	1	0.000	0.000	0.8121	0.000	0.000
65	65	66	1	0.000	0.000	0.8121	0.000	0.000
66	66	67	1	0.000	0.000	0.8121	0.000	0.000
67	67	68	1	0.000	0.000	0.8121	0.000	0.000
68	68	69	1	0.000	0.000	0.8121	0.000	0.000
69	69	70	1	0.000	0.000	0.8121	0.000	0.000
70	70	71	1	0.000	0.000	0.8121	0.000	0.000
71	71	72	1	0.000	0.000	0.8121	0.000	0.000
72	72	73	1	0.000	0.000	0.8121	0.000	0.000
73	73	74	1	0.000	0.000	0.8121	0.000	0.000
74	74	75	1	0.000	0.000	0.8121	0.000	0.000
75	75	76	1	0.000	0.000	0.8121	0.000	0.000
76	76	77	1	0.000	0.000	0.8121	0.000	0.000
77	77	78	1	0.000	0.000	0.8121	0.000	0.000
78	78	79	1	0.000	0.000	0.8121	0.000	0.000
79	79	80	1	0.000	0.000	0.8121	0.000	0.000
80	80	81	1	0.000	0.000	0.8121	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                           |
|                                Exe Time :24 May 2018       18:25:47                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

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

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

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

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
```

```
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.       1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.       1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.       1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
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ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5
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ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
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ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
```

SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

```
Y                                    0.000       -0.9990E+30
Z-PC                                 0.000         0.000
Z-EXCAVATION                        -4.500         0.000
Z-WATER_TABLE                        0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL            0.000         0.000
ZQ                                   0.000         0.000
DZW_OF_THE_WATER_TABLE               4.500         0.000
QS_ON_THE_EXCAVATION_SIDE            0.000         0.000
ZQS                                 -0.9990E+30   -0.9990E+30
ZCUT                                 0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES    -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)    0.000         0.000
PORE_UPDATE_FLAG                     0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)     0.000         0.000
lateral thrusts reduction elevatio   0.000         0.000
Downhill reduction factor for effe   0.000         0.000
Downhill reduction factor for pore   0.000         0.000
Uphill reduction factor for effect   0.000         0.000
Uphill reduction factor for pore p   0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]     0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]    0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]    0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
UPHILL DELTA/PHI RATIO               0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]    0.000         0.000
DOWNHILL DELTA/PHI RATIO             0.000         0.000
DYN.WATER BEHAVIOUR                  0.000         0.000
Excess pore pressure RATIO Ru        0.000         0.000
SEISMIC PRESSURE LOWER VALUE         0.000         0.000
SEISMIC PRESSURE UPPER VALUE         0.000         0.000
SEISMIC PRESSURE LOWER LEVEL         0.000         0.000
SEISMIC PRESSURE UPPER LEVEL         0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -16.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -16.00000
 UPPER  LEVEL           0.00000
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           1.00000000000000
 FOUNDATION WIDTH    (B)            11.7500000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      5.00000000000000
 BETA ......                    45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4763

 NO. OF D.P.W  FOR THIS AREA       9554
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.2753E-27 REMNOR= 0.000     RATIO =0.4748E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.4748E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1697E-29 REMNOR=0.1582E-52 RATIO =0.3727E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3727E-17 RATIOR= 0.000
           MAX UN=0.5014E-17 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.2372E-15 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1468E-29 REMNOR=0.6218E-52 RATIO =0.3467E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3467E-17 RATIOR= 0.000
           MAX UN=0.2676E-26 IEQ=   158 NODE     79 DOF   2   X-ROT. F
           MIN UN=-.2058E-15 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

```
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      2.4162E-20   0.000       0.000       0.000       0.000            V-C  4.7008E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141      2.4777E-20   2.008       1.570       2.008       1.570            V-C  4.7008E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411      2.5391E-20   4.057       3.055       4.057       3.055            V-C  4.7008E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083      2.6003E-20   6.158       4.413       6.158       4.413            V-C  4.7008E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730      2.6609E-20   8.297       5.651       8.297       5.651            V-C  4.7008E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359      2.7206E-20   10.45       6.797       10.45       6.797            V-C  4.7008E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976      2.7788E-20   12.61       7.879       12.61       7.879            V-C  4.7008E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584      2.8348E-20   14.87       8.919       14.87       8.919            V-C  4.7008E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186      2.8881E-20   17.18       9.931       17.18       9.931            V-C  4.7008E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785      2.9375E-20   19.26       10.93       19.26       10.93            V-C  4.7008E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381      2.9823E-20   21.48       11.91       21.48       11.91            V-C  4.7008E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976      3.0212E-20   23.67       12.88       23.67       12.88            V-C  4.7008E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570      3.0536E-20   25.71       13.85       25.71       13.85            V-C  4.7008E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163      3.0786E-20   27.86       14.82       27.86       14.82            V-C  4.7008E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756      3.0954E-20   29.98       15.78       29.98       15.78            V-C  4.7008E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349      3.1038E-20   32.10       16.74       32.10       16.74            V-C  4.7008E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941      3.1035E-20   34.11       17.70       34.11       17.70            V-C  4.7008E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53      3.0944E-20   36.20       18.66       36.20       18.66            V-C  4.7008E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13      3.0761E-20   38.29       19.63       38.29       19.63            V-C  4.7008E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72      3.0479E-20   40.29       20.59       40.29       20.59            V-C  4.7008E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31      3.0094E-20   42.36       21.55       42.36       21.55            V-C  4.7008E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90      2.9610E-20   44.43       22.51       44.43       22.51            V-C  4.7008E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49      2.9036E-20   46.43       23.47       46.43       23.47            V-C  4.7008E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09      2.8383E-20   48.48       24.43       48.48       24.43            V-C  4.7008E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68      2.7660E-20   50.54       25.39       50.54       25.39            V-C  4.7008E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27      2.6876E-20   52.59       26.36       52.59       26.36            V-C  4.7008E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86      2.6040E-20   54.58       27.32       54.58       27.32            V-C  4.7008E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46      2.5156E-20   56.63       28.28       56.63       28.28            V-C  4.7008E+04  -5.400       54.00
```

1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0						
29 D	17.05	2.4232E-20	58.67	29.25	58.67	29.25	V-C	4.7008E+04	-5.600	56.00	
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0						
30 D	17.64	2.3274E-20	60.66	30.22	60.66	30.22	V-C	4.7008E+04	-5.800	58.00	
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0						
31 D	18.24	2.2304E-20	62.70	31.18	62.70	31.18	V-C	4.7008E+04	-6.000	60.00	
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0						
32 D	18.83	2.1345E-20	64.74	32.15	64.74	32.15	V-C	4.7008E+04	-6.200	62.00	
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0						
33 D	19.42	2.0416E-20	66.73	33.12	66.73	33.12	V-C	4.7008E+04	-6.400	64.00	
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0						
34 D	20.02	1.9521E-20	68.76	34.09	68.76	34.09	V-C	4.7008E+04	-6.600	66.00	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
35 D	20.61	1.8661E-20	70.79	35.06	70.79	35.06	V-C	4.7008E+04	-6.800	68.00	
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
36 D	21.21	1.7835E-20	72.82	36.03	72.82	36.03	V-C	4.7008E+04	-7.000	70.00	
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0						
37 D	21.80	1.7042E-20	74.81	37.00	74.81	37.00	V-C	4.7008E+04	-7.200	72.00	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
38 D	22.39	1.6281E-20	76.84	37.97	76.84	37.97	V-C	4.7008E+04	-7.400	74.00	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
39 D	22.99	1.5549E-20	78.86	38.94	78.86	38.94	V-C	4.7008E+04	-7.600	76.00	
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0						
40 D	23.58	1.4839E-20	80.85	39.92	80.85	39.92	V-C	4.7008E+04	-7.800	78.00	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.18	1.4135E-20	82.88	40.89	82.88	40.89	V-C	4.7008E+04	-8.000	80.00	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
42 D	24.77	1.3428E-20	84.90	41.86	84.90	41.86	V-C	4.7008E+04	-8.200	82.00	
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0						
43 D	25.37	1.2714E-20	86.89	42.84	86.89	42.84	V-C	4.7008E+04	-8.400	84.00	
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0						
44 D	25.96	1.1987E-20	88.91	43.82	88.91	43.82	V-C	4.7008E+04	-8.600	86.00	
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0						
45 D	26.56	1.1242E-20	90.93	44.79	90.93	44.79	V-C	4.7008E+04	-8.800	88.00	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
46 D	27.15	1.0475E-20	92.96	45.77	92.96	45.77	V-C	4.7008E+04	-9.000	90.00	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
47 D	27.75	9.6966E-21	94.94	46.75	94.94	46.75	V-C	4.7008E+04	-9.200	92.00	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
48 D	28.35	8.9200E-21	96.96	47.73	96.96	47.73	V-C	4.7008E+04	-9.400	94.00	
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0						
49 D	28.94	8.1574E-21	98.98	48.71	98.98	48.71	V-C	4.7008E+04	-9.600	96.00	
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0						
50 D	29.54	7.4213E-21	101.0	49.69	101.0	49.69	V-C	4.7008E+04	-9.800	98.00	
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0						
51 D	30.13	6.7233E-21	103.0	50.67	103.0	50.67	V-C	4.7008E+04	-10.00	100.00	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
52 D	30.73	6.0750E-21	105.0	51.65	105.0	51.65	V-C	4.7008E+04	-10.20	102.0	
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0						
53 D	31.33	5.4877E-21	107.0	52.63	107.0	52.63	V-C	4.7008E+04	-10.40	104.0	
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0						
54 D	31.92	4.9720E-21	109.0	53.61	109.0	53.61	V-C	4.7008E+04	-10.60	106.0	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						
55 D	32.52	4.5386E-21	111.0	54.60	111.0	54.60	V-C	4.7008E+04	-10.80	108.0	
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0						
56 D	33.12	4.1976E-21	113.0	55.58	113.0	55.58	V-C	4.7008E+04	-11.00	110.0	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
57 D	33.71	3.9590E-21	115.0	56.56	115.0	56.56	V-C	4.7008E+04	-11.20	112.0	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
58 D	34.31	3.8323E-21	117.0	57.55	117.0	57.55	V-C	4.7008E+04	-11.40	114.0	
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0						
59 D	34.91	3.8269E-21	119.1	58.53	119.1	58.53	V-C	4.7008E+04	-11.60	116.0	
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0						
60 D	35.50	3.9516E-21	121.1	59.52	121.1	59.52	V-C	4.7008E+04	-11.80	118.0	
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0						
61 D	36.10	4.2151E-21	123.1	60.50	123.1	60.50	V-C	4.7008E+04	-12.00	120.0	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
62 D	36.68	4.6256E-21	124.9	61.39	124.9	61.39	V-C	2.2505E+04	-12.20	122.0	
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0						
63 D	37.26	5.1912E-21	126.7	62.28	126.7	62.28	V-C	2.2505E+04	-12.40	124.0	
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0						
64 D	37.83	5.9194E-21	128.5	63.16	128.5	63.16	V-C	2.2505E+04	-12.60	126.0	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
65 D	38.41	6.8179E-21	130.3	64.05	130.3	64.05	V-C	2.2505E+04	-12.80	128.0	
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0						
66 D	38.99	7.8937E-21	132.0	64.94	132.0	64.94	V-C	2.2505E+04	-13.00	130.0	
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0						
67 D	39.57	9.1538E-21	133.8	65.83	133.8	65.83	V-C	2.2505E+04	-13.20	132.0	
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0						
68 D	40.14	1.0605E-20	135.6	66.72	135.6	66.72	V-C	2.2505E+04	-13.40	134.0	
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0						

69 D	40.72	1.2254E-20	137.3	67.60	137.3	67.60	V-C	2.2505E+04	-13.60	136.0
1.000	1.000	203.6	0.000	0.000	Ug6_741_743_L_0					
70 D	41.30	1.4106E-20	139.1	68.49	139.1	68.49	V-C	2.2505E+04	-13.80	138.0
1.000	1.000	206.5	0.000	0.000	Ug6_741_743_L_0					
71 D	41.88	1.6167E-20	140.9	69.38	140.9	69.38	V-C	2.2505E+04	-14.00	140.0
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
72 D	42.45	1.8436E-20	142.7	70.27	142.7	70.27	V-C	2.2505E+04	-14.20	142.0
1.000	1.000	212.3	0.000	0.000	Ug6_741_743_L_0					
73 D	43.03	2.0877E-20	144.4	71.16	144.4	71.16	V-C	2.2505E+04	-14.40	144.0
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0					
74 D	43.61	2.3421E-20	146.2	72.05	146.2	72.05	V-C	2.2505E+04	-14.60	146.0
1.000	1.000	218.1	0.000	0.000	Ug6_741_743_L_0					
75 D	44.19	2.5998E-20	148.0	72.94	148.0	72.94	V-C	2.2505E+04	-14.80	148.0
1.000	1.000	220.9	0.000	0.000	Ug6_741_743_L_0					
76 D	44.77	2.8571E-20	149.7	73.84	149.7	73.84	V-C	2.2505E+04	-15.00	150.0
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0					
77 D	45.35	3.1136E-20	151.5	74.73	151.5	74.73	V-C	2.2505E+04	-15.20	152.0
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0					
78 D	45.92	3.3696E-20	153.3	75.62	153.3	75.62	V-C	2.2505E+04	-15.40	154.0
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0					
79 D	46.50	3.6253E-20	155.1	76.51	155.1	76.51	V-C	2.2505E+04	-15.60	156.0
1.000	1.000	232.5	0.000	0.000	Ug6_741_743_L_0					
80 D	47.08	3.8808E-20	156.8	77.40	156.8	77.40	V-C	2.2505E+04	-15.80	158.0
1.000	1.000	235.4	0.000	0.000	Ug6_741_743_L_0					
81 D	23.83	4.1364E-20	158.6	78.29	158.6	78.29	V-C	2.2505E+04	-16.00	160.0
1.000	1.000	238.3	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -2.4162E-20   0.000       0.000       0.000       0.000            V-C  2.3371E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141     -2.4777E-20   2.000       1.570       2.000       1.570            V-C  2.3371E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411     -2.5391E-20   4.000       3.055       4.000       3.055            V-C  2.3371E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083     -2.6003E-20   6.000       4.413       6.000       4.413            V-C  2.3371E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730     -2.6609E-20   8.000       5.651       8.000       5.651            V-C  2.3371E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359     -2.7206E-20   10.00       6.797       10.00       6.797            V-C  2.3371E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976     -2.7788E-20   12.00       7.879       12.00       7.879            V-C  2.3371E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584     -2.8348E-20   14.00       8.919       14.00       8.919            V-C  2.3371E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186     -2.8881E-20   16.00       9.931       16.00       9.931            V-C  2.3371E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785     -2.9375E-20   18.00       10.93       18.00       10.93            V-C  2.3371E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381     -2.9823E-20   20.00       11.91       20.00       11.91            V-C  2.3371E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976     -3.0212E-20   22.00       12.88       22.00       12.88            V-C  2.3371E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570     -3.0536E-20   24.00       13.85       24.00       13.85            V-C  2.3371E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163     -3.0786E-20   26.00       14.82       26.00       14.82            V-C  2.3371E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756     -3.0954E-20   28.00       15.78       28.00       15.78            V-C  2.3371E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349     -3.1038E-20   30.00       16.74       30.00       16.74            V-C  2.3371E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941     -3.1035E-20   32.00       17.70       32.00       17.70            V-C  2.3371E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53     -3.0944E-20   34.00       18.66       34.00       18.66            V-C  2.3371E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13     -3.0761E-20   36.00       19.63       36.00       19.63            V-C  2.3371E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72     -3.0479E-20   38.00       20.59       38.00       20.59            V-C  2.3371E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31     -3.0094E-20   40.00       21.55       40.00       21.55            V-C  2.3371E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90     -2.9610E-20   42.00       22.51       42.00       22.51            V-C  2.3371E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49     -2.9036E-20   44.00       23.47       44.00       23.47            V-C  2.3371E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09     -2.8383E-20   46.00       24.43       46.00       24.43            V-C  2.3371E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68     -2.7660E-20   48.00       25.39       48.00       25.39            V-C  2.3371E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27     -2.6876E-20   50.00       26.36       50.00       26.36            V-C  2.3371E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86     -2.6040E-20   52.00       27.32       52.00       27.32            V-C  2.3371E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46     -2.5156E-20   54.00       28.28       54.00       28.28            V-C  2.3371E+04  -5.400       54.00
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1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0							
29 D	17.05	-2.4232E-20	56.00	29.25	56.00	29.25	V-C	2.3371E+04	-5.600	56.00		
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0							
30 D	17.64	-2.3274E-20	58.00	30.22	58.00	30.22	V-C	2.3371E+04	-5.800	58.00		
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0							
31 D	18.24	-2.2304E-20	60.00	31.18	60.00	31.18	V-C	2.3371E+04	-6.000	60.00		
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0							
32 D	18.83	-2.1345E-20	62.00	32.15	62.00	32.15	V-C	2.3371E+04	-6.200	62.00		
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0							
33 D	19.42	-2.0416E-20	64.00	33.12	64.00	33.12	V-C	2.3371E+04	-6.400	64.00		
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0							
34 D	20.02	-1.9521E-20	66.00	34.09	66.00	34.09	V-C	2.3371E+04	-6.600	66.00		
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0							
35 D	20.61	-1.8661E-20	68.00	35.06	68.00	35.06	V-C	2.3371E+04	-6.800	68.00		
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0							
36 D	21.21	-1.7835E-20	70.00	36.03	70.00	36.03	V-C	2.3371E+04	-7.000	70.00		
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0							
37 D	21.80	-1.7042E-20	72.00	37.00	72.00	37.00	V-C	2.3371E+04	-7.200	72.00		
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0							
38 D	22.39	-1.6281E-20	74.00	37.97	74.00	37.97	V-C	2.3371E+04	-7.400	74.00		
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0							
39 D	22.99	-1.5549E-20	76.00	38.94	76.00	38.94	V-C	2.3371E+04	-7.600	76.00		
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0							
40 D	23.58	-1.4839E-20	78.00	39.92	78.00	39.92	V-C	2.3371E+04	-7.800	78.00		
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0							
41 D	24.18	-1.4135E-20	80.00	40.89	80.00	40.89	V-C	2.3371E+04	-8.000	80.00		
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0							
42 D	24.77	-1.3428E-20	82.00	41.86	82.00	41.86	V-C	2.3371E+04	-8.200	82.00		
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0							
43 D	25.37	-1.2714E-20	84.00	42.84	84.00	42.84	V-C	2.3371E+04	-8.400	84.00		
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0							
44 D	25.96	-1.1987E-20	86.00	43.82	86.00	43.82	V-C	2.3371E+04	-8.600	86.00		
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0							
45 D	26.56	-1.1242E-20	88.00	44.79	88.00	44.79	V-C	2.3371E+04	-8.800	88.00		
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0							
46 D	27.15	-1.0475E-20	90.00	45.77	90.00	45.77	V-C	2.3371E+04	-9.000	90.00		
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0							
47 D	27.75	-9.6966E-21	92.00	46.75	92.00	46.75	V-C	2.3371E+04	-9.200	92.00		
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0							
48 D	28.35	-8.9200E-21	94.00	47.73	94.00	47.73	V-C	2.3371E+04	-9.400	94.00		
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0							
49 D	28.94	-8.1574E-21	96.00	48.71	96.00	48.71	V-C	2.3371E+04	-9.600	96.00		
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0							
50 D	29.54	-7.4213E-21	98.00	49.69	98.00	49.69	V-C	2.3371E+04	-9.800	98.00		
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0							
51 D	30.13	-6.7233E-21	100.00	50.67	100.00	50.67	V-C	2.3371E+04	-10.00	100.00		
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0							
52 D	30.73	-6.0750E-21	102.0	51.65	102.0	51.65	V-C	2.3371E+04	-10.20	102.0		
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0							
53 D	31.33	-5.4877E-21	104.0	52.63	104.0	52.63	V-C	2.3371E+04	-10.40	104.0		
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0							
54 D	31.92	-4.9720E-21	106.0	53.61	106.0	53.61	V-C	2.3371E+04	-10.60	106.0		
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0							
55 D	32.52	-4.5386E-21	108.0	54.60	108.0	54.60	V-C	2.3371E+04	-10.80	108.0		
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0							
56 D	33.12	-4.1976E-21	110.0	55.58	110.0	55.58	V-C	2.3371E+04	-11.00	110.0		
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0							
57 D	33.71	-3.9590E-21	112.0	56.56	112.0	56.56	V-C	2.3371E+04	-11.20	112.0		
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0							
58 D	34.31	-3.8323E-21	114.0	57.55	114.0	57.55	V-C	2.3371E+04	-11.40	114.0		
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0							
59 D	34.91	-3.8269E-21	116.0	58.53	116.0	58.53	V-C	2.3371E+04	-11.60	116.0		
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0							
60 D	35.50	-3.9516E-21	118.0	59.52	118.0	59.52	V-C	2.3371E+04	-11.80	118.0		
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0							
61 D	36.10	-4.2151E-21	120.0	60.50	120.0	60.50	V-C	2.3371E+04	-12.00	120.0		
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0							
62 D	36.68	-4.6256E-21	121.8	61.39	121.8	61.39	V-C	1.7574E+04	-12.20	122.0		
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0							
63 D	37.26	-5.1912E-21	123.6	62.28	123.6	62.28	V-C	1.7574E+04	-12.40	124.0		
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0							
64 D	37.83	-5.9194E-21	125.4	63.16	125.4	63.16	V-C	1.7574E+04	-12.60	126.0		
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0							
65 D	38.41	-6.8179E-21	127.2	64.05	127.2	64.05	V-C	1.7574E+04	-12.80	128.0		
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0							
66 D	38.99	-7.8937E-21	129.0	64.94	129.0	64.94	V-C	1.7574E+04	-13.00	130.0		
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0							
67 D	39.57	-9.1538E-21	130.8	65.83	130.8	65.83	V-C	1.7574E+04	-13.20	132.0		
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0							
68 D	40.14	-1.0605E-20	132.6	66.72	132.6	66.72	V-C	1.7574E+04	-13.40	134.0		
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0							

69 D	40.72	-1.2254E-20	134.4	67.60	134.4	67.60	V-C	1.7574E+04	-13.60	136.0	
1.000	1.000	203.6	0.000	0.000	Ug6_741_743_L_0						
70 D	41.30	-1.4106E-20	136.2	68.49	136.2	68.49	V-C	1.7574E+04	-13.80	138.0	
1.000	1.000	206.5	0.000	0.000	Ug6_741_743_L_0						
71 D	41.88	-1.6167E-20	138.0	69.38	138.0	69.38	V-C	1.7574E+04	-14.00	140.0	
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0						
72 D	42.45	-1.8436E-20	139.8	70.27	139.8	70.27	V-C	1.7574E+04	-14.20	142.0	
1.000	1.000	212.3	0.000	0.000	Ug6_741_743_L_0						
73 D	43.03	-2.0877E-20	141.6	71.16	141.6	71.16	V-C	1.7574E+04	-14.40	144.0	
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0						
74 D	43.61	-2.3421E-20	143.4	72.05	143.4	72.05	V-C	1.7574E+04	-14.60	146.0	
1.000	1.000	218.1	0.000	0.000	Ug6_741_743_L_0						
75 D	44.19	-2.5998E-20	145.2	72.94	145.2	72.94	V-C	1.7574E+04	-14.80	148.0	
1.000	1.000	220.9	0.000	0.000	Ug6_741_743_L_0						
76 D	44.77	-2.8571E-20	147.0	73.84	147.0	73.84	V-C	1.7574E+04	-15.00	150.0	
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0						
77 D	45.35	-3.1136E-20	148.8	74.73	148.8	74.73	V-C	1.7574E+04	-15.20	152.0	
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0						
78 D	45.92	-3.3696E-20	150.6	75.62	150.6	75.62	V-C	1.7574E+04	-15.40	154.0	
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0						
79 D	46.50	-3.6253E-20	152.4	76.51	152.4	76.51	V-C	1.7574E+04	-15.60	156.0	
1.000	1.000	232.5	0.000	0.000	Ug6_741_743_L_0						
80 D	47.08	-3.8808E-20	154.2	77.40	154.2	77.40	V-C	1.7574E+04	-15.80	158.0	
1.000	1.000	235.4	0.000	0.000	Ug6_741_743_L_0						
81 D	23.83	-4.1364E-20	156.0	78.29	156.0	78.29	V-C	1.7574E+04	-16.00	160.0	
1.000	1.000	238.3	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1 1.01855E-16-1.01855E-16-9.97120E-28 2.03710E-17
    2 3.05921E-16-3.05921E-16-2.03710E-17 8.15552E-17
    3 5.10341E-16-5.10341E-16-8.15552E-17 1.83623E-16
    4 7.15104E-16-7.15104E-16-1.83623E-16 3.26644E-16
    5 9.20187E-16-9.20187E-16-3.26644E-16 5.10682E-16
    6 1.12555E-15-1.12555E-15-5.10682E-16 7.35792E-16
    7 1.33115E-15-1.33115E-15-7.35792E-16 1.00202E-15
    8 1.53689E-15-1.53689E-15-1.00202E-15 1.30940E-15
    9 1.74270E-15-1.74270E-15-1.30940E-15 1.65794E-15
   10 1.94844E-15-1.94844E-15-1.65794E-15 2.04763E-15
   11 1.26579E-15-1.26579E-15-2.04763E-15 2.30079E-15
   12 1.47095E-15-1.47095E-15-2.30079E-15 2.59498E-15
   13 1.67556E-15-1.67556E-15-2.59498E-15 2.93009E-15
   14 1.03035E-16-1.03035E-16-2.93009E-15 2.95069E-15
   15 3.05875E-16-3.05875E-16-2.95069E-15 3.01187E-15
   16 5.07473E-16-5.07473E-16-3.01187E-15 3.11336E-15
   17 7.07570E-16-7.07570E-16-3.11336E-15 3.25488E-15
   18 9.05893E-16-9.05893E-16-3.25488E-15 3.43606E-15
   19 1.10216E-15-1.10216E-15-3.43606E-15 3.65649E-15
   20-4.80275E-16 4.80275E-16-3.65649E-15 3.56043E-15
   21-2.06534E-15 2.06534E-15-3.56043E-15 3.14737E-15
   22-1.87698E-15 1.87698E-15-3.14737E-15 2.77197E-15
   23-1.69184E-15 1.69184E-15-2.77197E-15 2.43360E-15
   24-1.51018E-15 1.51018E-15-2.43360E-15 2.13157E-15
   25-1.33229E-15 1.33229E-15-2.13157E-15 1.86511E-15
   26-1.15843E-15 1.15843E-15-1.86511E-15 1.63342E-15
   27-9.88823E-16 9.88823E-16-1.63342E-15 1.43566E-15
   28-8.23710E-16 8.23710E-16-1.43566E-15 1.27092E-15
   29-4.21600E-15 4.21600E-15-1.27092E-15 4.27716E-16
   30-4.06046E-15 4.06046E-15-4.27716E-16-3.84376E-16
   31-3.90995E-15 3.90995E-15 3.84376E-16-1.16636E-15
   32-2.11898E-16 2.11898E-16 1.16636E-15-1.20874E-15
   33-7.18352E-17 7.18352E-17 1.20874E-15-1.22311E-15
   34 6.28696E-17-6.28696E-17 1.22311E-15-1.21054E-15
   35 1.92162E-16-1.92162E-16 1.21054E-15-1.17210E-15
   36 3.16017E-16-3.16017E-16 1.17210E-15-1.10890E-15
   37 4.34436E-16-4.34436E-16 1.10890E-15-1.02201E-15
   38 5.47450E-16-5.47450E-16 1.02201E-15-9.12522E-16
   39 4.20783E-15-4.20783E-15 9.12522E-16-7.09562E-17
   40 7.57526E-16-7.57526E-16 7.09562E-17 8.05489E-17
   41 8.54793E-16-8.54793E-16-8.05489E-17 2.51508E-16
   42 9.47066E-16-9.47066E-16-2.51508E-16 4.40921E-16
   43 1.03452E-15-1.03452E-15-4.40921E-16 6.47825E-16
   44 1.11737E-15-1.11737E-15-6.47825E-16 8.71297E-16
   45-2.35688E-15 2.35688E-15-8.71297E-16 3.99922E-16
   46-2.28251E-15 2.28251E-15-3.99922E-16-5.65810E-17
   47-2.21196E-15 2.21196E-15 5.65810E-17-4.98972E-16
   48-2.14487E-15 2.14487E-15 4.98972E-16-9.27947E-16
   49-2.08091E-15 2.08091E-15 9.27947E-16-1.34413E-15
   50-2.01968E-15 2.01968E-15 1.34413E-15-1.74806E-15
   51-1.96075E-15 1.96075E-15 1.74806E-15-2.14022E-15
   52-1.90368E-15 1.90368E-15 2.14022E-15-2.52094E-15
   53-1.84801E-15 1.84801E-15 2.52094E-15-2.89054E-15
   54-1.79324E-15 1.79324E-15 2.89054E-15-3.24919E-15
   55-1.73886E-15 1.73886E-15 3.24919E-15-3.59696E-15
   56-1.68433E-15 1.68433E-15 3.59696E-15-3.93383E-15
   57-1.62910E-15 1.62910E-15 3.93383E-15-4.25965E-15
   58-1.57264E-15 1.57264E-15 4.25965E-15-4.57418E-15
   59-1.51436E-15 1.51436E-15 4.57418E-15-4.87705E-15
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   60-1.45373E-15 1.45373E-15 4.87705E-15-5.16779E-15
   61-1.39017E-15 1.39017E-15 5.16779E-15-5.44583E-15
   62-1.35201E-15 1.35201E-15 5.44583E-15-5.71623E-15
   63-1.31157E-15 1.31157E-15 5.71623E-15-5.97854E-15
   64-1.26856E-15 1.26856E-15 5.97854E-15-6.23226E-15
   65-1.22271E-15 1.22271E-15 6.23226E-15-6.47680E-15
   66-1.17375E-15 1.17375E-15 6.47680E-15-6.71155E-15
   67-1.12143E-15 1.12143E-15 6.71155E-15-6.93584E-15
   68-1.06551E-15 1.06551E-15 6.93584E-15-7.14894E-15
   69-1.00579E-15 1.00579E-15 7.14894E-15-7.35010E-15
   70-9.42073E-16 9.42073E-16 7.35010E-15-7.53851E-15
   71 6.23125E-15-6.23125E-15 7.53851E-15-6.29226E-15
   72 1.34089E-14-1.34089E-14 6.29226E-15-3.61048E-15
   73 1.34856E-14-1.34856E-14 3.61048E-15-9.13372E-16
   74 6.46137E-15-6.46137E-15 9.13372E-16 3.78901E-16
   75-5.58183E-16 5.58183E-16-3.78901E-16 2.67264E-16
   76-4.67589E-16 4.67589E-16-2.67264E-16 1.73747E-16
   77-3.72232E-16 3.72232E-16-1.73747E-16 9.93002E-17
   78-2.72078E-16 2.72078E-16-9.93002E-17 4.48846E-17
   79-1.67108E-16 1.67108E-16-4.48846E-17 1.14630E-17
   80-5.73122E-17 5.73122E-17-1.14630E-17 1.81754E-27

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 302.6     REMNOR=0.6218E-52 RATIO =0.5168E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.5168E-01 RATIOR= 0.000
           MAX UN= 3.327     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.1019E-15 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 12.00     REMNOR=0.2777E-21 RATIO =0.1029E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1029E-01 RATIOR= 0.000
           MAX UN= 1.661     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2766E-10 IEQ=   101 NODE     51 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 8.122     REMNOR=0.8119E-21 RATIO =0.8467E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.8467E-02 RATIOR= 0.000
           MAX UN= 1.821     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.1256E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM=0.1593     REMNOR=0.3171E-21 RATIO =0.1186E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1186E-02 RATIOR= 0.000
           MAX UN=0.3826     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.1306E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM=0.5649E-05 REMNOR=0.1304E-21 RATIO =0.7061E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.7061E-05 RATIOR= 0.000
           MAX UN=0.2377E-02 IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.7402E-10 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:25:47                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3603417E-04  -6.4828788E-05
    2   3.2306842E-04  -6.4828788E-05
    3   3.1010312E-04  -6.4821809E-05
    4   2.9714156E-04  -6.4786883E-05
    5   2.8419257E-04  -6.4688990E-05
    6   2.7127343E-04  -6.4478991E-05
    7   2.5841267E-04  -6.4093590E-05
    8   2.4565005E-04  -6.3497418E-05
    9   2.3302770E-04  -6.2691200E-05
   10   2.2058739E-04  -6.1677611E-05
   11   2.0837018E-04  -6.0461110E-05
   12   1.9641607E-04  -5.9047861E-05
   13   1.8476364E-04  -5.7445597E-05
   14   1.7344980E-04  -5.5663717E-05
   15   1.6250939E-04  -5.3713318E-05
   16   1.5197486E-04  -5.1607145E-05
   17   1.4187590E-04  -4.9359639E-05
   18   1.3223929E-04  -4.6987104E-05
   19   1.2308819E-04  -4.4507704E-05
   20   1.1444199E-04  -4.1941514E-05
   21   1.0631593E-04  -3.9310643E-05
   22   9.8720477E-05  -3.6639264E-05
   23   9.1661172E-05  -3.3953706E-05
   24   8.5138036E-05  -3.1282537E-05
   25   7.9145276E-05  -2.8654586E-05
   26   7.3671627E-05  -2.6095243E-05
   27   6.8701258E-05  -2.3625078E-05
   28   6.4214598E-05  -2.1260266E-05
   29   6.0189307E-05  -1.9013124E-05
   30   5.6600914E-05  -1.6892504E-05
   31   5.3423483E-05  -1.4904224E-05
   32   5.0630203E-05  -1.3051469E-05
   33   4.8193815E-05  -1.1335136E-05
   34   4.6087118E-05  -9.7542585E-06
   35   4.4283265E-05  -8.3060776E-06
   36   4.2756138E-05  -6.9861261E-06
   37   4.1480660E-05  -5.7885802E-06
   38   4.0433012E-05  -4.7065480E-06
   39   3.9590850E-05  -3.7323882E-06
   40   3.8933409E-05  -2.8579408E-06
   41   3.8441590E-05  -2.0747404E-06
   42   3.8098005E-05  -1.3741525E-06
   43   3.7886999E-05  -7.4751132E-07
   44   3.7794640E-05  -1.8628801E-07
   45   3.7808672E-05   3.1775652E-07
   46   3.7918452E-05   7.7244676E-07
   47   3.8114846E-05   1.1850564E-06
   48   3.8390111E-05   1.5622098E-06
   49   3.8737757E-05   1.9097797E-06
   50   3.9152384E-05   2.2327960E-06
   51   3.9629511E-05   2.5353679E-06
   52   4.0165389E-05   2.8206044E-06
   53   4.0756713E-05   3.0905064E-06
   54   4.1400601E-05   3.3459933E-06
   55   4.2094127E-05   3.5867281E-06
   56   4.2834203E-05   3.8111186E-06
   57   4.3617290E-05   4.0162457E-06
   58   4.4439130E-05   4.1978099E-06
   59   4.5294461E-05   4.3500826E-06
   60   4.6176730E-05   4.4658626E-06
   61   4.7077793E-05   4.5364400E-06
   62   4.7987610E-05   4.5515692E-06
   63   4.8894766E-05   4.5118715E-06
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64	4.9789485E-05	4.4290668E-06
65	5.0664228E-05	4.3137956E-06
66	5.1513477E-05	4.1756306E-06
67	5.2333522E-05	4.0230920E-06
68	5.3122254E-05	3.8636666E-06
69	5.3878961E-05	3.7038283E-06
70	5.4604124E-05	3.5490604E-06
71	5.5299224E-05	3.4038770E-06
72	5.5966551E-05	3.2718441E-06
73	5.6609014E-05	3.1556001E-06
74	5.7229959E-05	3.0568734E-06
75	5.7832987E-05	2.9764983E-06
76	5.8421779E-05	2.9144290E-06
77	5.8999918E-05	2.8697502E-06
78	5.9570720E-05	2.8406863E-06
79	6.0137058E-05	2.8246070E-06
80	6.0701196E-05	2.8180317E-06
81	6.1264644E-05	2.8166319E-06

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.3603E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4903     -3.2307E-04   2.073      0.5161       2.073       1.603          ACTIVE   0.000      -0.2000       1.935
1.000       1.000       2.452       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9826     -3.1010E-04   4.186       1.042       4.186       3.119          ACTIVE   0.000      -0.4000       3.871
1.000       1.000       4.913       0.000       0.000     Ug5_2_8_L_0
   4 D   1.478     -2.9714E-04   6.351       1.581       6.351       4.509          ACTIVE   0.000      -0.6000       5.806
1.000       1.000       7.388       0.000       0.000     Ug5_2_8_L_0
   5 D   1.974     -2.8419E-04   8.555       2.130       8.555       5.780          ACTIVE   0.000      -0.8000       7.742
1.000       1.000       9.872       0.000       0.000     Ug5_2_8_L_0
   6 D   2.472     -2.7127E-04   10.78       2.683       10.78       6.958          ACTIVE   0.000       -1.000       9.677
1.000       1.000       12.36       0.000       0.000     Ug5_2_8_L_0
   7 D   2.970     -2.5841E-04   13.00       3.236       13.00       8.073          ACTIVE   0.000       -1.200       11.61
1.000       1.000       14.85       0.000       0.000     Ug5_2_8_L_0
   8 D   3.473     -2.4565E-04   15.33       3.816       15.33       9.145          ACTIVE   0.000       -1.400       13.55
1.000       1.000       17.36       0.000       0.000     Ug5_2_8_L_0
   9 D   3.978     -2.3303E-04   17.69       4.405       17.69       10.19          ACTIVE   0.000       -1.600       15.48
1.000       1.000       19.89       0.000       0.000     Ug5_2_8_L_0
  10 D   4.472     -2.2059E-04   19.84       4.941       19.84       11.22          ACTIVE   0.000       -1.800       17.42
1.000       1.000       22.36       0.000       0.000     Ug5_2_8_L_0
  11 D   4.973     -2.0837E-04   22.13       5.510       22.13       12.23          ACTIVE   0.000       -2.000       19.35
1.000       1.000       24.87       0.000       0.000     Ug5_2_8_L_0
  12 D   5.472     -1.9642E-04   24.38       6.071       24.38       13.24          ACTIVE   0.000       -2.200       21.29
1.000       1.000       27.36       0.000       0.000     Ug5_2_8_L_0
  13 D   5.964     -1.8476E-04   26.48       6.594       26.48       14.24          ACTIVE   0.000       -2.400       23.23
1.000       1.000       29.82       0.000       0.000     Ug5_2_8_L_0
  14 D   6.461     -1.7345E-04   28.70       7.145       28.70       15.24          ACTIVE   0.000       -2.600       25.16
1.000       1.000       32.31       0.000       0.000     Ug5_2_8_L_0
  15 D   6.958     -1.6251E-04   30.89       7.691       30.89       16.23          ACTIVE   0.000       -2.800       27.10
1.000       1.000       34.79       0.000       0.000     Ug5_2_8_L_0
  16 D   7.453     -1.5197E-04   33.06       8.233       33.06       17.23          ACTIVE   0.000       -3.000       29.03
1.000       1.000       37.27       0.000       0.000     Ug5_2_8_L_0
  17 D   7.944     -1.4188E-04   35.14       8.750       35.14       18.22          ACTIVE   0.000       -3.200       30.97
1.000       1.000       39.72       0.000       0.000     Ug5_2_8_L_0
  18 D   8.438     -1.3224E-04   37.30       9.287       37.30       19.21          ACTIVE   0.000       -3.400       32.90
1.000       1.000       42.19       0.000       0.000     Ug5_2_8_L_0
  19 D   8.932     -1.2309E-04   39.45       9.823       39.45       20.21          ACTIVE   0.000       -3.600       34.84
1.000       1.000       44.66       0.000       0.000     Ug5_2_8_L_0
  20 D   9.422     -1.1444E-04   41.51       10.34       41.51       21.20          ACTIVE   0.000       -3.800       36.77
1.000       1.000       47.11       0.000       0.000     Ug5_2_8_L_0
  21 D   9.916     -1.0632E-04   43.65       10.87       43.65       22.19          ACTIVE   0.000       -4.000       38.71
1.000       1.000       49.58       0.000       0.000     Ug5_2_8_L_0
  22 D   10.41     -9.8720E-05   45.78       11.40       45.78       23.18          ACTIVE   0.000       -4.200       40.65
1.000       1.000       52.05       0.000       0.000     Ug5_2_8_L_0
  23 D   10.90     -9.1661E-05   47.84       11.91       47.84       24.18          ACTIVE   0.000       -4.400       42.58
1.000       1.000       54.49       0.000       0.000     Ug5_2_8_L_0
  24 D   11.54     -8.5138E-05   49.97       13.17       49.97       25.17           UL-RL  1.4103E+05  -4.600       44.52
1.000       1.000       57.68       0.000       0.000     Ug5_2_8_L_0
  25 D   12.29     -7.9145E-05   52.09       15.01       52.09       26.17           UL-RL  1.4103E+05  -4.800       46.45
1.000       1.000       61.46       0.000       0.000     Ug5_2_8_L_0
  26 D   13.03     -7.3672E-05   54.20       16.77       54.20       27.16           UL-RL  1.4103E+05  -5.000       48.39
1.000       1.000       65.16       0.000       0.000     Ug5_2_8_L_0
  27 D   13.76     -6.8701E-05   56.26       18.47       56.26       28.16           UL-RL  1.4103E+05  -5.200       50.32
1.000       1.000       68.79       0.000       0.000     Ug5_2_8_L_0
  28 D   14.47     -6.4215E-05   58.37       20.10       58.37       29.16           UL-RL  1.4103E+05  -5.400       52.26
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1.000	1.000	72.36	0.000	0.000	Ug5_2_8_L_0						
29 D	15.17	-6.0189E-05	60.48	21.66	60.48	30.15	UL-RL	1.4103E+05	-5.600	54.19	
1.000	1.000	75.86	0.000	0.000	Ug5_2_8_L_0						
30 D	15.86	-5.6601E-05	62.53	23.17	62.53	31.15	UL-RL	1.4103E+05	-5.800	56.13	
1.000	1.000	79.30	0.000	0.000	Ug5_2_8_L_0						
31 D	16.54	-5.3423E-05	64.63	24.62	64.63	32.15	UL-RL	1.4103E+05	-6.000	58.06	
1.000	1.000	82.68	0.000	0.000	Ug5_2_8_L_0						
32 D	17.20	-5.0630E-05	66.74	26.01	66.74	33.15	UL-RL	1.4103E+05	-6.200	60.00	
1.000	1.000	86.01	0.000	0.000	Ug5_2_8_L_0						
33 D	17.86	-4.8194E-05	68.79	27.35	68.79	34.15	UL-RL	1.4103E+05	-6.400	61.94	
1.000	1.000	89.29	0.000	0.000	Ug5_2_8_L_0						
34 D	18.50	-4.6087E-05	70.89	28.65	70.89	35.15	UL-RL	1.4103E+05	-6.600	63.87	
1.000	1.000	92.52	0.000	0.000	Ug5_2_8_L_0						
35 D	19.14	-4.4283E-05	72.98	29.91	72.98	36.15	UL-RL	1.4103E+05	-6.800	65.81	
1.000	1.000	95.71	0.000	0.000	Ug5_2_8_L_0						
36 D	19.77	-4.2756E-05	75.08	31.13	75.08	37.16	UL-RL	1.4103E+05	-7.000	67.74	
1.000	1.000	98.87	0.000	0.000	Ug5_2_8_L_0						
37 D	20.40	-4.1481E-05	77.13	32.31	77.13	38.16	UL-RL	1.4103E+05	-7.200	69.68	
1.000	1.000	102.0	0.000	0.000	Ug5_2_8_L_0						
38 D	21.01	-4.0433E-05	79.22	33.46	79.22	39.16	UL-RL	1.4103E+05	-7.400	71.61	
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0						
39 D	21.63	-3.9591E-05	81.32	34.58	81.32	40.17	UL-RL	1.4103E+05	-7.600	73.55	
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0						
40 D	22.23	-3.8933E-05	83.37	35.68	83.37	41.17	UL-RL	1.4103E+05	-7.800	75.48	
1.000	1.000	111.2	0.000	0.000	Ug5_2_8_L_0						
41 D	22.84	-3.8442E-05	85.46	36.76	85.46	42.18	UL-RL	1.4103E+05	-8.000	77.42	
1.000	1.000	114.2	0.000	0.000	Ug5_2_8_L_0						
42 D	23.43	-3.8098E-05	87.55	37.81	87.55	43.19	UL-RL	1.4103E+05	-8.200	79.35	
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0						
43 D	24.03	-3.7887E-05	89.60	38.85	89.60	44.19	UL-RL	1.4103E+05	-8.400	81.29	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
44 D	24.62	-3.7795E-05	91.69	39.87	91.69	45.20	UL-RL	1.4103E+05	-8.600	83.23	
1.000	1.000	123.1	0.000	0.000	Ug5_2_8_L_0						
45 D	25.21	-3.7809E-05	93.77	40.88	93.77	46.21	UL-RL	1.4103E+05	-8.800	85.16	
1.000	1.000	126.0	0.000	0.000	Ug5_2_8_L_0						
46 D	25.79	-3.7918E-05	95.86	41.87	95.86	47.22	UL-RL	1.4103E+05	-9.000	87.10	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
47 D	26.38	-3.8115E-05	97.91	42.86	97.91	48.23	UL-RL	1.4103E+05	-9.200	89.03	
1.000	1.000	131.9	0.000	0.000	Ug5_2_8_L_0						
48 D	26.96	-3.8390E-05	100.00	43.83	100.00	49.24	UL-RL	1.4103E+05	-9.400	90.97	
1.000	1.000	134.8	0.000	0.000	Ug5_2_8_L_0						
49 D	27.54	-3.8738E-05	102.1	44.79	102.1	50.26	UL-RL	1.4103E+05	-9.600	92.90	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
50 D	28.12	-3.9152E-05	104.1	45.75	104.1	51.27	UL-RL	1.4103E+05	-9.800	94.84	
1.000	1.000	140.6	0.000	0.000	Ug5_2_8_L_0						
51 D	28.69	-3.9630E-05	106.2	46.69	106.2	52.28	UL-RL	1.4103E+05	-10.00	96.77	
1.000	1.000	143.5	0.000	0.000	Ug5_2_8_L_0						
52 D	29.27	-4.0165E-05	108.3	47.63	108.3	53.29	UL-RL	1.4103E+05	-10.20	98.71	
1.000	1.000	146.3	0.000	0.000	Ug5_2_8_L_0						
53 D	29.84	-4.0757E-05	110.3	48.56	110.3	54.31	UL-RL	1.4103E+05	-10.40	100.6	
1.000	1.000	149.2	0.000	0.000	Ug5_2_8_L_0						
54 D	30.41	-4.1401E-05	112.4	49.48	112.4	55.32	UL-RL	1.4103E+05	-10.60	102.6	
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0						
55 D	30.98	-4.2094E-05	114.5	50.40	114.5	56.34	UL-RL	1.4103E+05	-10.80	104.5	
1.000	1.000	154.9	0.000	0.000	Ug5_2_8_L_0						
56 D	31.55	-4.2834E-05	116.6	51.31	116.6	57.35	UL-RL	1.4103E+05	-11.00	106.5	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
57 D	32.12	-4.3617E-05	118.6	52.22	118.6	58.37	UL-RL	1.4103E+05	-11.20	108.4	
1.000	1.000	160.6	0.000	0.000	Ug5_2_8_L_0						
58 D	32.69	-4.4439E-05	120.7	53.12	120.7	59.39	UL-RL	1.4103E+05	-11.40	110.3	
1.000	1.000	163.4	0.000	0.000	Ug5_2_8_L_0						
59 D	33.25	-4.5294E-05	122.8	54.02	122.8	60.40	UL-RL	1.4103E+05	-11.60	112.3	
1.000	1.000	166.3	0.000	0.000	Ug5_2_8_L_0						
60 D	33.82	-4.6177E-05	124.9	54.91	124.9	61.42	UL-RL	1.4103E+05	-11.80	114.2	
1.000	1.000	169.1	0.000	0.000	Ug5_2_8_L_0						
61 D	34.39	-4.7078E-05	126.9	55.80	126.9	62.44	UL-RL	1.4103E+05	-12.00	116.1	
1.000	1.000	171.9	0.000	0.000	Ug5_2_8_L_0						
62 D	35.64	-4.7988E-05	128.8	60.12	128.8	63.36	UL-RL	6.7514E+04	-12.20	118.1	
1.000	1.000	178.2	0.000	0.000	Ug6_741_743_L_0						
63 D	36.19	-4.8895E-05	130.7	60.97	130.7	64.28	UL-RL	6.7514E+04	-12.40	120.0	
1.000	1.000	181.0	0.000	0.000	Ug6_741_743_L_0						
64 D	36.75	-4.9789E-05	132.5	61.83	132.5	65.20	UL-RL	6.7514E+04	-12.60	121.9	
1.000	1.000	183.8	0.000	0.000	Ug6_741_743_L_0						
65 D	37.31	-5.0664E-05	134.4	62.69	134.4	66.12	UL-RL	6.7514E+04	-12.80	123.9	
1.000	1.000	186.6	0.000	0.000	Ug6_741_743_L_0						
66 D	37.87	-5.1513E-05	136.2	63.56	136.2	67.04	UL-RL	6.7514E+04	-13.00	125.8	
1.000	1.000	189.4	0.000	0.000	Ug6_741_743_L_0						
67 D	38.43	-5.2334E-05	138.1	64.42	138.1	67.96	UL-RL	6.7514E+04	-13.20	127.7	
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0						
68 D	38.99	-5.3122E-05	139.9	65.29	139.9	68.88	UL-RL	6.7514E+04	-13.40	129.7	
1.000	1.000	195.0	0.000	0.000	Ug6_741_743_L_0						

69 D	39.55	-5.3879E-05	141.7	66.16	141.7	69.80	UL-RL	6.7514E+04	-13.60	131.6
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
70 D	40.12	-5.4604E-05	143.6	67.03	143.6	70.72	UL-RL	6.7514E+04	-13.80	133.5
1.000	1.000	200.6	0.000	0.000	Ug6_741_743_L_0					
71 D	40.68	-5.5299E-05	145.4	67.91	145.4	71.64	UL-RL	6.7514E+04	-14.00	135.5
1.000	1.000	203.4	0.000	0.000	Ug6_741_743_L_0					
72 D	41.24	-5.5967E-05	147.2	68.78	147.2	72.56	UL-RL	6.7514E+04	-14.20	137.4
1.000	1.000	206.2	0.000	0.000	Ug6_741_743_L_0					
73 D	41.80	-5.6609E-05	149.1	69.66	149.1	73.49	UL-RL	6.7514E+04	-14.40	139.4
1.000	1.000	209.0	0.000	0.000	Ug6_741_743_L_0					
74 D	42.37	-5.7230E-05	150.9	70.54	150.9	74.41	UL-RL	6.7514E+04	-14.60	141.3
1.000	1.000	211.8	0.000	0.000	Ug6_741_743_L_0					
75 D	42.93	-5.7833E-05	152.7	71.43	152.7	75.33	UL-RL	6.7514E+04	-14.80	143.2
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0					
76 D	43.49	-5.8422E-05	154.6	72.31	154.6	76.25	UL-RL	6.7514E+04	-15.00	145.2
1.000	1.000	217.5	0.000	0.000	Ug6_741_743_L_0					
77 D	44.06	-5.9000E-05	156.4	73.20	156.4	77.18	UL-RL	6.7514E+04	-15.20	147.1
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0					
78 D	44.62	-5.9571E-05	158.3	74.08	158.3	78.10	UL-RL	6.7514E+04	-15.40	149.0
1.000	1.000	223.1	0.000	0.000	Ug6_741_743_L_0					
79 D	45.19	-6.0137E-05	160.1	74.97	160.1	79.03	UL-RL	6.7514E+04	-15.60	151.0
1.000	1.000	225.9	0.000	0.000	Ug6_741_743_L_0					
80 D	45.75	-6.0701E-05	161.9	75.85	161.9	79.95	UL-RL	6.7514E+04	-15.80	152.9
1.000	1.000	228.8	0.000	0.000	Ug6_741_743_L_0					
81 D	23.16	-6.1265E-05	163.8	76.74	163.8	80.88	UL-RL	6.7514E+04	-16.00	154.8
1.000	1.000	231.6	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      2.7127E-04   0.000       0.000       10.00       6.797         PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.957      2.5841E-04   1.935       12.72       12.00       12.72           V-C  2.3371E+04  -1.200       2.065
1.000       1.000       14.79       0.000       0.000     Ug5_2_8_L_0
   8 D   3.537      2.4565E-04   3.871       13.55       14.00       13.55           V-C  2.3371E+04  -1.400       4.129
1.000       1.000       17.68       0.000       0.000     Ug5_2_8_L_0
   9 D   4.102      2.3303E-04   5.806       14.32       16.00       14.32           V-C  2.3371E+04  -1.600       6.194
1.000       1.000       20.51       0.000       0.000     Ug5_2_8_L_0
  10 D   4.661      2.2059E-04   7.742       15.05       18.00       15.05           V-C  2.3371E+04  -1.800       8.258
1.000       1.000       23.31       0.000       0.000     Ug5_2_8_L_0
  11 D   5.217      2.0837E-04   9.677       15.76       20.00       15.76           V-C  2.3371E+04  -2.000       10.32
1.000       1.000       26.09       0.000       0.000     Ug5_2_8_L_0
  12 D   5.771      1.9642E-04   11.61       16.47       22.00       16.47           V-C  2.3371E+04  -2.200       12.39
1.000       1.000       28.86       0.000       0.000     Ug5_2_8_L_0
  13 D   6.325      1.8476E-04   13.55       17.17       24.00       17.17           V-C  2.3371E+04  -2.400       14.45
1.000       1.000       31.63       0.000       0.000     Ug5_2_8_L_0
  14 D   6.880      1.7345E-04   15.48       17.88       26.00       17.88           V-C  2.3371E+04  -2.600       16.52
1.000       1.000       34.40       0.000       0.000     Ug5_2_8_L_0
  15 D   7.435      1.6251E-04   17.42       18.59       28.00       18.59           V-C  2.3371E+04  -2.800       18.58
1.000       1.000       37.17       0.000       0.000     Ug5_2_8_L_0
  16 D   7.991      1.5197E-04   19.35       19.31       30.00       19.31           V-C  2.3371E+04  -3.000       20.65
1.000       1.000       39.96       0.000       0.000     Ug5_2_8_L_0
  17 D   8.549      1.4188E-04   21.29       20.04       32.00       20.04           V-C  2.3371E+04  -3.200       22.71
1.000       1.000       42.75       0.000       0.000     Ug5_2_8_L_0
  18 D   9.109      1.3224E-04   23.23       20.77       34.00       20.77           V-C  2.3371E+04  -3.400       24.77
1.000       1.000       45.55       0.000       0.000     Ug5_2_8_L_0
  19 D   9.671      1.2309E-04   25.16       21.52       36.00       21.52           V-C  2.3371E+04  -3.600       26.84
1.000       1.000       48.36       0.000       0.000     Ug5_2_8_L_0
  20 D   10.24      1.1444E-04   27.10       22.27       38.00       22.27           V-C  2.3371E+04  -3.800       28.90
1.000       1.000       51.18       0.000       0.000     Ug5_2_8_L_0
  21 D   10.80      1.0632E-04   29.03       23.04       40.00       23.04           V-C  2.3371E+04  -4.000       30.97
1.000       1.000       54.01       0.000       0.000     Ug5_2_8_L_0
  22 D   11.37      9.8720E-05   30.97       23.83       42.00       23.83           V-C  2.3371E+04  -4.200       33.03
1.000       1.000       56.86       0.000       0.000     Ug5_2_8_L_0
  23 D   11.94      9.1661E-05   32.90       24.62       44.00       24.62           V-C  2.3371E+04  -4.400       35.10
1.000       1.000       59.72       0.000       0.000     Ug5_2_8_L_0
  24 D   12.52      8.5138E-05   34.84       25.43       46.00       25.43           V-C  2.3371E+04  -4.600       37.16
1.000       1.000       62.59       0.000       0.000     Ug5_2_8_L_0
  25 D   13.09      7.9145E-05   36.77       26.25       48.00       26.25           V-C  2.3371E+04  -4.800       39.23
1.000       1.000       65.47       0.000       0.000     Ug5_2_8_L_0
  26 D   13.67      7.3672E-05   38.71       27.08       50.00       27.08           V-C  2.3371E+04  -5.000       41.29
1.000       1.000       68.37       0.000       0.000     Ug5_2_8_L_0
  27 D   14.26      6.8701E-05   40.65       27.92       52.00       27.92           V-C  2.3371E+04  -5.200       43.35
1.000       1.000       71.28       0.000       0.000     Ug5_2_8_L_0
  28 D   14.84      6.4215E-05   42.58       28.78       54.00       28.78           V-C  2.3371E+04  -5.400       45.42
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1.000	1.000	74.20	0.000	0.000	Ug5_2_8_L_0						
29 D	15.43	6.0189E-05	44.52	29.64	56.00	29.64	V-C	2.3371E+04	-5.600	47.48	
1.000	1.000	77.13	0.000	0.000	Ug5_2_8_L_0						
30 D	16.01	5.6601E-05	46.45	30.52	58.00	30.52	V-C	2.3371E+04	-5.800	49.55	
1.000	1.000	80.07	0.000	0.000	Ug5_2_8_L_0						
31 D	16.60	5.3423E-05	48.39	31.41	60.00	31.41	V-C	2.3371E+04	-6.000	51.61	
1.000	1.000	83.02	0.000	0.000	Ug5_2_8_L_0						
32 D	17.20	5.0630E-05	50.32	32.31	62.00	32.31	V-C	2.3371E+04	-6.200	53.68	
1.000	1.000	85.99	0.000	0.000	Ug5_2_8_L_0						
33 D	17.79	4.8194E-05	52.26	33.22	64.00	33.22	V-C	2.3371E+04	-6.400	55.74	
1.000	1.000	88.96	0.000	0.000	Ug5_2_8_L_0						
34 D	18.37	4.6087E-05	54.19	34.07	66.00	34.16	UL-RL	7.0113E+04	-6.600	57.81	
1.000	1.000	91.87	0.000	0.000	Ug5_2_8_L_0						
35 D	18.96	4.4283E-05	56.13	34.92	68.00	35.12	UL-RL	7.0113E+04	-6.800	59.87	
1.000	1.000	94.80	0.000	0.000	Ug5_2_8_L_0						
36 D	19.55	4.2756E-05	58.06	35.80	70.00	36.08	UL-RL	7.0113E+04	-7.000	61.94	
1.000	1.000	97.74	0.000	0.000	Ug5_2_8_L_0						
37 D	20.14	4.1481E-05	60.00	36.70	72.00	37.03	UL-RL	7.0113E+04	-7.200	64.00	
1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0						
38 D	20.74	4.0433E-05	61.94	37.61	74.00	37.99	UL-RL	7.0113E+04	-7.400	66.06	
1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0						
39 D	21.33	3.9591E-05	63.87	38.54	76.00	38.95	UL-RL	7.0113E+04	-7.600	68.13	
1.000	1.000	106.7	0.000	0.000	Ug5_2_8_L_0						
40 D	21.93	3.8933E-05	65.81	39.47	78.00	39.92	UL-RL	7.0113E+04	-7.800	70.19	
1.000	1.000	109.7	0.000	0.000	Ug5_2_8_L_0						
41 D	22.53	3.8442E-05	67.74	40.39	80.00	40.89	UL-RL	7.0113E+04	-8.000	72.26	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
42 D	23.13	3.8098E-05	69.68	41.33	82.00	41.86	UL-RL	7.0113E+04	-8.200	74.32	
1.000	1.000	115.7	0.000	0.000	Ug5_2_8_L_0						
43 D	23.73	3.7887E-05	71.61	42.28	84.00	42.84	UL-RL	7.0113E+04	-8.400	76.39	
1.000	1.000	118.7	0.000	0.000	Ug5_2_8_L_0						
44 D	24.34	3.7795E-05	73.55	43.23	86.00	43.82	UL-RL	7.0113E+04	-8.600	78.45	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
45 D	24.94	3.7809E-05	75.48	44.19	88.00	44.79	UL-RL	7.0113E+04	-8.800	80.52	
1.000	1.000	124.7	0.000	0.000	Ug5_2_8_L_0						
46 D	25.55	3.7918E-05	77.42	45.17	90.00	45.77	UL-RL	7.0113E+04	-9.000	82.58	
1.000	1.000	127.7	0.000	0.000	Ug5_2_8_L_0						
47 D	26.16	3.8115E-05	79.35	46.14	92.00	46.75	UL-RL	7.0113E+04	-9.200	84.65	
1.000	1.000	130.8	0.000	0.000	Ug5_2_8_L_0						
48 D	26.77	3.8390E-05	81.29	47.13	94.00	47.73	UL-RL	7.0113E+04	-9.400	86.71	
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0						
49 D	27.38	3.8738E-05	83.23	48.12	96.00	48.71	UL-RL	7.0113E+04	-9.600	88.77	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
50 D	27.99	3.9152E-05	85.16	49.11	98.00	49.69	UL-RL	7.0113E+04	-9.800	90.84	
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0						
51 D	28.60	3.9630E-05	87.10	50.11	100.00	50.67	UL-RL	7.0113E+04	-10.00	92.90	
1.000	1.000	143.0	0.000	0.000	Ug5_2_8_L_0						
52 D	29.22	4.0165E-05	89.03	51.11	102.0	51.65	UL-RL	7.0113E+04	-10.20	94.97	
1.000	1.000	146.1	0.000	0.000	Ug5_2_8_L_0						
53 D	29.83	4.0757E-05	90.97	52.12	104.0	52.63	UL-RL	7.0113E+04	-10.40	97.03	
1.000	1.000	149.2	0.000	0.000	Ug5_2_8_L_0						
54 D	30.45	4.1401E-05	92.90	53.13	106.0	53.61	UL-RL	7.0113E+04	-10.60	99.10	
1.000	1.000	152.2	0.000	0.000	Ug5_2_8_L_0						
55 D	31.06	4.2094E-05	94.84	54.15	108.0	54.60	UL-RL	7.0113E+04	-10.80	101.2	
1.000	1.000	155.3	0.000	0.000	Ug5_2_8_L_0						
56 D	31.68	4.2834E-05	96.77	55.17	110.0	55.58	UL-RL	7.0113E+04	-11.00	103.2	
1.000	1.000	158.4	0.000	0.000	Ug5_2_8_L_0						
57 D	32.30	4.3617E-05	98.71	56.19	112.0	56.56	UL-RL	7.0113E+04	-11.20	105.3	
1.000	1.000	161.5	0.000	0.000	Ug5_2_8_L_0						
58 D	32.92	4.4439E-05	100.6	57.22	114.0	57.55	UL-RL	7.0113E+04	-11.40	107.4	
1.000	1.000	164.6	0.000	0.000	Ug5_2_8_L_0						
59 D	33.53	4.5294E-05	102.6	58.25	116.0	58.53	UL-RL	7.0113E+04	-11.60	109.4	
1.000	1.000	167.7	0.000	0.000	Ug5_2_8_L_0						
60 D	34.15	4.6177E-05	104.5	59.28	118.0	59.52	UL-RL	7.0113E+04	-11.80	111.5	
1.000	1.000	170.8	0.000	0.000	Ug5_2_8_L_0						
61 D	34.77	4.7078E-05	106.5	60.32	120.0	60.50	UL-RL	7.0113E+04	-12.00	113.5	
1.000	1.000	173.9	0.000	0.000	Ug5_2_8_L_0						
62 D	35.21	4.7988E-05	108.2	60.42	121.8	61.39	UL-RL	5.2723E+04	-12.20	115.6	
1.000	1.000	176.0	0.000	0.000	Ug6_741_743_L_0						
63 D	35.80	4.8895E-05	109.9	61.33	123.6	62.28	UL-RL	5.2723E+04	-12.40	117.7	
1.000	1.000	179.0	0.000	0.000	Ug6_741_743_L_0						
64 D	36.40	4.9789E-05	111.7	62.25	125.4	63.16	UL-RL	5.2723E+04	-12.60	119.7	
1.000	1.000	182.0	0.000	0.000	Ug6_741_743_L_0						
65 D	37.00	5.0664E-05	113.4	63.17	127.2	64.05	UL-RL	5.2723E+04	-12.80	121.8	
1.000	1.000	185.0	0.000	0.000	Ug6_741_743_L_0						
66 D	37.59	5.1513E-05	115.1	64.09	129.0	64.94	UL-RL	5.2723E+04	-13.00	123.9	
1.000	1.000	188.0	0.000	0.000	Ug6_741_743_L_0						
67 D	38.19	5.2334E-05	116.9	65.00	130.8	65.83	UL-RL	5.2723E+04	-13.20	125.9	
1.000	1.000	190.9	0.000	0.000	Ug6_741_743_L_0						
68 D	38.78	5.3122E-05	118.6	65.92	132.6	66.72	UL-RL	5.2723E+04	-13.40	128.0	
1.000	1.000	193.9	0.000	0.000	Ug6_741_743_L_0						

69 D	39.38	5.3879E-05	120.3	66.83	134.4	67.60	UL-RL	5.2723E+04	-13.60	130.1	
1.000	1.000	196.9	0.000	0.000	Ug6_741_743_L_0						
70 D	39.97	5.4604E-05	122.1	67.74	136.2	68.49	UL-RL	5.2723E+04	-13.80	132.1	
1.000	1.000	199.9	0.000	0.000	Ug6_741_743_L_0						
71 D	40.57	5.5299E-05	123.8	68.65	138.0	69.38	UL-RL	5.2723E+04	-14.00	134.2	
1.000	1.000	202.8	0.000	0.000	Ug6_741_743_L_0						
72 D	41.16	5.5967E-05	125.5	69.56	139.8	70.27	UL-RL	5.2723E+04	-14.20	136.3	
1.000	1.000	205.8	0.000	0.000	Ug6_741_743_L_0						
73 D	41.76	5.6609E-05	127.3	70.47	141.6	71.16	UL-RL	5.2723E+04	-14.40	138.3	
1.000	1.000	208.8	0.000	0.000	Ug6_741_743_L_0						
74 D	42.35	5.7230E-05	129.0	71.38	143.4	72.05	UL-RL	5.2723E+04	-14.60	140.4	
1.000	1.000	211.8	0.000	0.000	Ug6_741_743_L_0						
75 D	42.95	5.7833E-05	130.7	72.29	145.2	72.94	UL-RL	5.2723E+04	-14.80	142.5	
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0						
76 D	43.54	5.8422E-05	132.5	73.19	147.0	73.84	UL-RL	5.2723E+04	-15.00	144.5	
1.000	1.000	217.7	0.000	0.000	Ug6_741_743_L_0						
77 D	44.14	5.9000E-05	134.2	74.10	148.8	74.73	UL-RL	5.2723E+04	-15.20	146.6	
1.000	1.000	220.7	0.000	0.000	Ug6_741_743_L_0						
78 D	44.73	5.9571E-05	136.0	75.00	150.6	75.62	UL-RL	5.2723E+04	-15.40	148.6	
1.000	1.000	223.6	0.000	0.000	Ug6_741_743_L_0						
79 D	45.32	6.0137E-05	137.7	75.91	152.4	76.51	UL-RL	5.2723E+04	-15.60	150.7	
1.000	1.000	226.6	0.000	0.000	Ug6_741_743_L_0						
80 D	45.92	6.0701E-05	139.4	76.82	154.2	77.40	UL-RL	5.2723E+04	-15.80	152.8	
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0						
81 D	23.26	6.1265E-05	141.2	77.72	156.0	78.29	UL-RL	5.2723E+04	-16.00	154.8	
1.000	1.000	232.6	0.000	0.000	Ug6_741_743_L_0						

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.23893E-11-2.23893E-11 2.25064E-12 1.20439E-12
    2 0.49031    -0.49031    -2.30307E-12 9.80625E-02
    3  1.4730     -1.4730    -9.80625E-02 0.39265
    4  2.9505     -2.9505    -0.39265     0.98276
    5  4.9250     -4.9250    -0.98276      1.9678
    6  7.3971     -7.3971     -1.9678      3.4472
    7  7.4097     -7.4097     -3.4472      4.9291
    8  7.3461     -7.3461     -4.9291      6.3984
    9  7.2219     -7.2219     -6.3984      7.8427
   10  7.0329     -7.0329     -7.8427      9.2493
   11  6.7888     -6.7888     -9.2493      10.607
   12  6.4897     -6.4897     -10.607      11.905
   13  6.1285     -6.1285     -11.905      13.131
   14  5.7102     -5.7102     -13.131      14.273
   15  5.2330     -5.2330     -14.273      15.319
   16  4.6950     -4.6950     -15.319      16.258
   17  4.0892     -4.0892     -16.258      17.076
   18  3.4181     -3.4181     -17.076      17.760
   19  2.6791     -2.6791     -17.760      18.296
   20  1.8657     -1.8657     -18.296      18.669
   21 0.97920    -0.97920     -18.669      18.865
   22 1.68070E-02-1.68070E-02 -18.865      18.868
   23 -1.0276      1.0276     -18.868      18.662
   24 -2.0086      2.0086     -18.662      18.261
   25 -2.8113      2.8113     -18.261      17.698
   26 -3.4527      3.4527     -17.698      17.008
   27 -3.9493      3.9493     -17.008      16.218
   28 -4.3171      4.3171     -16.218      15.355
   29 -4.5712      4.5712     -15.355      14.440
   30 -4.7258      4.7258     -14.440      13.495
   31 -4.7945      4.7945     -13.495      12.536
   32 -4.7899      4.7899     -12.536      11.578
   33 -4.7261      4.7261     -11.578      10.633
   34 -4.5960      4.5960     -10.633      9.7140
   35 -4.4123      4.4123     -9.7140      8.8316
   36 -4.1864      4.1864     -8.8316      7.9943
   37 -3.9289      3.9289     -7.9943      7.2085
   38 -3.6492      3.6492     -7.2085      6.4786
   39 -3.3557      3.3557     -6.4786      5.8075
   40 -3.0545      3.0545     -5.8075      5.1966
   41 -2.7491      2.7491     -5.1966      4.6468
   42 -2.4457      2.4457     -4.6468      4.1576
   43 -2.1499      2.1499     -4.1576      3.7277
   44 -1.8668      1.8668     -3.7277      3.3543
   45 -1.6006      1.6006     -3.3543      3.0342
   46 -1.3556      1.3556     -3.0342      2.7631
   47 -1.1353      1.1353     -2.7631      2.5360
   48-0.94300     0.94300     -2.5360      2.3474
   49-0.78181     0.78181     -2.3474      2.1910
   50-0.65454     0.65454     -2.1910      2.0601
   51-0.56379     0.56379     -2.0601      1.9474
   52-0.51204     0.51204     -1.9474      1.8450
   53-0.50161     0.50161     -1.8450      1.7447
   54-0.53473     0.53473     -1.7447      1.6377
   55-0.61347     0.61347     -1.6377      1.5150
   56-0.73980     0.73980     -1.5150      1.3671
   57-0.91551     0.91551     -1.3671      1.1840
   58 -1.1422      1.1422     -1.1840     0.95551
   59 -1.4214      1.4214    -0.95551     0.67122
```

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   60 -1.7541      1.7541    -0.67122     0.32040
   61 -2.1412      2.1412    -0.32040    -0.10783
   62 -1.7105      1.7105     0.10783    -0.44993
   63 -1.3178      1.3178     0.44993    -0.71349
   64-0.96296     0.96296     0.71349    -0.90609
   65-0.64535     0.64535     0.90609     -1.0352
   66-0.36440     0.36440      1.0352     -1.1080
   67-0.11940     0.11940      1.1080     -1.1319
   68 9.04039E-02-9.04039E-02  1.1319     -1.1138
   69 0.26579    -0.26579      1.1138     -1.0607
   70 0.40752    -0.40752      1.0607    -0.97918
   71 0.51632    -0.51632     0.97918    -0.87591
   72 0.59286    -0.59286     0.87591    -0.75734
   73 0.63774    -0.63774     0.75734    -0.62979
   74 0.65148    -0.65148     0.62979    -0.49949
   75 0.63452    -0.63452     0.49949    -0.37259
   76 0.58719    -0.58719     0.37259    -0.25515
   77 0.50976    -0.50976     0.25515    -0.15320
   78 0.40241    -0.40241     0.15320    -7.27173E-02
   79 0.26525    -0.26525     7.27173E-02-1.96671E-02
   80 9.83304E-02-9.83304E-02 1.96671E-02-1.32638E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 367.3     REMNOR=0.1304E-21 RATIO =0.5929E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.5929E-01 RATIOR= 0.000
           MAX UN= 5.148     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3441E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 83.97     REMNOR=0.1582E-20 RATIO =0.2835E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.2835E-01 RATIOR= 0.000
           MAX UN= 2.654     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.3455E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 55.84     REMNOR=0.3330E-19 RATIO =0.2312E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.2312E-01 RATIOR= 0.000
           MAX UN= 4.539     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.1222E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 1.837     REMNOR=0.9476E-20 RATIO =0.4193E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.4193E-02 RATIOR= 0.000
           MAX UN= 1.168     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.3879E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM=0.3424E-17 REMNOR=0.1057E-19 RATIO =0.5725E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.5725E-11 RATIOR= 0.000
           MAX UN=0.7462E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.6707E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1251918E-03  -3.3729961E-04
    2   2.0577319E-03  -3.3729961E-04
    3   1.9902724E-03  -3.3729278E-04
    4   1.9228166E-03  -3.3725859E-04
    5   1.8553731E-03  -3.3716276E-04
    6   1.7879588E-03  -3.3695717E-04
    7   1.7206016E-03  -3.3657987E-04
    8   1.6533433E-03  -3.3595499E-04
    9   1.5862421E-03  -3.3499274E-04
   10   1.5193757E-03  -3.3358927E-04
   11   1.4528437E-03  -3.3162680E-04
   12   1.3867710E-03  -3.2897368E-04
   13   1.3213072E-03  -3.2552618E-04
   14   1.2566157E-03  -3.2125056E-04
   15   1.1928599E-03  -3.1618036E-04
   16   1.1301923E-03  -3.1037998E-04
   17   1.0687522E-03  -3.0391091E-04
   18   1.0086682E-03  -2.9683193E-04
   19   9.5005637E-04  -2.8919908E-04
   20   8.9302198E-04  -2.8106579E-04
   21   8.3766029E-04  -2.7248315E-04
   22   7.8405570E-04  -2.6349989E-04
   23   7.3228392E-04  -2.5416277E-04
   24   6.8241119E-04  -2.4451665E-04
   25   6.3449498E-04  -2.3460476E-04
   26   5.8858422E-04  -2.2446886E-04
   27   5.4471988E-04  -2.1414951E-04
   28   5.0293424E-04  -2.0368615E-04
   29   4.6325243E-04  -1.9311764E-04
   30   4.2569165E-04  -1.8248223E-04
   31   3.9026146E-04  -1.7181794E-04
   32   3.5696403E-04  -1.6116278E-04
   33   3.2579337E-04  -1.5055482E-04
   34   2.9673637E-04  -1.4003272E-04
   35   2.6977194E-04  -1.2963578E-04
   36   2.4487104E-04  -1.1940421E-04
   37   2.2199659E-04  -1.0937939E-04
   38   2.0110277E-04  -9.9603957E-05
   39   1.8213542E-04  -9.0122291E-05
   40   1.6503119E-04  -8.0980535E-05
   41   1.4971759E-04  -7.2222966E-05
   42   1.3611398E-04  -6.3885809E-05
   43   1.2413348E-04  -5.5995476E-05
   44   1.1368481E-04  -4.8569843E-05
   45   1.0467390E-04  -4.1619483E-05
   46   9.7005123E-05  -3.5148222E-05
   47   9.0582842E-05  -2.9153546E-05
   48   8.5312486E-05  -2.3627154E-05
   49   8.1101620E-05  -1.8556166E-05
   50   7.7860765E-05  -1.3924225E-05
   51   7.5503939E-05  -9.7123977E-06
   52   7.3949134E-05  -5.9001271E-06
   53   7.3118640E-05  -2.4664968E-06
   54   7.2938789E-05   6.1023970E-07
   55   7.3340308E-05   3.3505644E-06
   56   7.4257882E-05   5.7738970E-06
   57   7.5629910E-05   7.8978762E-06
   58   7.7398101E-05   9.7378829E-06
   59   7.9506979E-05   1.1306623E-05
   60   8.1903310E-05   1.2613764E-05
   61   8.4535466E-05   1.3665630E-05
   62   8.7352725E-05   1.4464940E-05
   63   9.0305904E-05   1.5031179E-05
```

64	9.3352109E-05	1.5401102E-05
65	9.6455525E-05	1.5608734E-05
66	9.9586867E-05	1.5685333E-05
67	1.0272282E-04	1.5659369E-05
68	1.0584549E-04	1.5556521E-05
69	1.0894183E-04	1.5399683E-05
70	1.1200310E-04	1.5208978E-05
71	1.1502432E-04	1.5001784E-05
72	1.1800370E-04	1.4792755E-05
73	1.2094210E-04	1.4593849E-05
74	1.2384253E-04	1.4414356E-05
75	1.2670958E-04	1.4260922E-05
76	1.2954890E-04	1.4137571E-05
77	1.3236671E-04	1.4045726E-05
78	1.3516922E-04	1.3984221E-05
79	1.3796217E-04	1.3949319E-05
80	1.4075030E-04	1.3934714E-05
81	1.4353696E-04	1.3931536E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.1252E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4800     -2.0577E-03   2.141      0.5332       2.141       1.603          ACTIVE   0.000     -0.2000       1.867
1.000       1.000       2.400       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9620     -1.9903E-03   4.323       1.077       4.323       3.119          ACTIVE   0.000     -0.4000       3.733
1.000       1.000       4.810       0.000       0.000     Ug5_2_8_L_0
   4 D   1.447     -1.9228E-03   6.558       1.633       6.558       4.509          ACTIVE   0.000     -0.6000       5.600
1.000       1.000       7.233       0.000       0.000     Ug5_2_8_L_0
   5 D   1.933     -1.8554E-03   8.831       2.199       8.831       5.780          ACTIVE   0.000     -0.8000       7.467
1.000       1.000       9.665       0.000       0.000     Ug5_2_8_L_0
   6 D   2.420     -1.7880E-03   11.12       2.769       11.12       6.958          ACTIVE   0.000      -1.000       9.333
1.000       1.000       12.10       0.000       0.000     Ug5_2_8_L_0
   7 D   2.908     -1.7206E-03   13.41       3.339       13.41       8.073          ACTIVE   0.000      -1.200       11.20
1.000       1.000       14.54       0.000       0.000     Ug5_2_8_L_0
   8 D   3.401     -1.6533E-03   15.81       3.936       15.81       9.145          ACTIVE   0.000      -1.400       13.07
1.000       1.000       17.00       0.000       0.000     Ug5_2_8_L_0
   9 D   3.895     -1.5862E-03   18.24       4.542       18.24       10.19          ACTIVE   0.000      -1.600       14.93
1.000       1.000       19.48       0.000       0.000     Ug5_2_8_L_0
  10 D   4.379     -1.5194E-03   20.46       5.096       20.46       11.22          ACTIVE   0.000      -1.800       16.80
1.000       1.000       21.90       0.000       0.000     Ug5_2_8_L_0
  11 D   4.870     -1.4528E-03   22.82       5.682       22.82       12.23          ACTIVE   0.000      -2.000       18.67
1.000       1.000       24.35       0.000       0.000     Ug5_2_8_L_0
  12 D   5.358     -1.3868E-03   25.14       6.259       25.14       13.24          ACTIVE   0.000      -2.200       20.53
1.000       1.000       26.79       0.000       0.000     Ug5_2_8_L_0
  13 D   5.840     -1.3213E-03   27.31       6.800       27.31       14.24          ACTIVE   0.000      -2.400       22.40
1.000       1.000       29.20       0.000       0.000     Ug5_2_8_L_0
  14 D   6.327     -1.2566E-03   29.59       7.368       29.59       15.24          ACTIVE   0.000      -2.600       24.27
1.000       1.000       31.63       0.000       0.000     Ug5_2_8_L_0
  15 D   6.813     -1.1929E-03   31.85       7.931       31.85       16.23          ACTIVE   0.000      -2.800       26.13
1.000       1.000       34.06       0.000       0.000     Ug5_2_8_L_0
  16 D   7.298     -1.1302E-03   34.10       8.490       34.10       17.23          ACTIVE   0.000      -3.000       28.00
1.000       1.000       36.49       0.000       0.000     Ug5_2_8_L_0
  17 D   7.778     -1.0688E-03   36.24       9.024       36.24       18.22          ACTIVE   0.000      -3.200       29.87
1.000       1.000       38.89       0.000       0.000     Ug5_2_8_L_0
  18 D   8.262     -1.0087E-03   38.47       9.579       38.47       19.21          ACTIVE   0.000      -3.400       31.73
1.000       1.000       41.31       0.000       0.000     Ug5_2_8_L_0
  19 D   8.746     -9.5006E-04   40.69       10.13       40.69       20.21          ACTIVE   0.000      -3.600       33.60
1.000       1.000       43.73       0.000       0.000     Ug5_2_8_L_0
  20 D   9.226     -8.9302E-04   42.82       10.66       42.82       21.20          ACTIVE   0.000      -3.800       35.47
1.000       1.000       46.13       0.000       0.000     Ug5_2_8_L_0
  21 D   9.709     -8.3766E-04   45.03       11.21       45.03       22.19          ACTIVE   0.000      -4.000       37.33
1.000       1.000       48.55       0.000       0.000     Ug5_2_8_L_0
  22 D   10.19     -7.8406E-04   47.23       11.76       47.23       23.18          ACTIVE   0.000      -4.200       39.20
1.000       1.000       50.96       0.000       0.000     Ug5_2_8_L_0
  23 D   10.67     -7.3228E-04   49.36       12.29       49.36       24.18          ACTIVE   0.000      -4.400       41.07
1.000       1.000       53.36       0.000       0.000     Ug5_2_8_L_0
  24 D   11.15     -6.8241E-04   51.55       12.84       51.55       25.17          ACTIVE   0.000      -4.600       42.93
1.000       1.000       55.77       0.000       0.000     Ug5_2_8_L_0
  25 D   11.64     -6.3449E-04   53.74       13.38       53.74       26.17          ACTIVE   0.000      -4.800       44.80
1.000       1.000       58.18       0.000       0.000     Ug5_2_8_L_0
  26 D   12.12     -5.8858E-04   55.92       13.92       55.92       27.16          ACTIVE   0.000      -5.000       46.67
1.000       1.000       60.59       0.000       0.000     Ug5_2_8_L_0
  27 D   12.60     -5.4472E-04   58.05       14.45       58.05       28.16          ACTIVE   0.000      -5.200       48.53
1.000       1.000       62.99       0.000       0.000     Ug5_2_8_L_0
  28 D   13.08     -5.0293E-04   60.23       15.00       60.23       29.16          ACTIVE   0.000      -5.400       50.40
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1.000	1.000	65.40	0.000	0.000	Ug5_2_8_L_0						
29 D	13.56	-4.6325E-04	62.40	15.54	62.40	30.15	ACTIVE	0.000	-5.600	52.27	
1.000	1.000	67.81	0.000	0.000	Ug5_2_8_L_0						
30 D	14.04	-4.2569E-04	64.53	16.07	64.53	31.15	ACTIVE	0.000	-5.800	54.13	
1.000	1.000	70.20	0.000	0.000	Ug5_2_8_L_0						
31 D	14.52	-3.9026E-04	66.70	16.61	66.70	32.15	ACTIVE	0.000	-6.000	56.00	
1.000	1.000	72.61	0.000	0.000	Ug5_2_8_L_0						
32 D	15.00	-3.5696E-04	68.87	17.15	68.87	33.15	ACTIVE	0.000	-6.200	57.87	
1.000	1.000	75.02	0.000	0.000	Ug5_2_8_L_0						
33 D	15.48	-3.2579E-04	70.99	17.68	70.99	34.15	ACTIVE	0.000	-6.400	59.73	
1.000	1.000	77.41	0.000	0.000	Ug5_2_8_L_0						
34 D	15.96	-2.9674E-04	73.16	18.22	73.16	35.15	ACTIVE	0.000	-6.600	61.60	
1.000	1.000	79.82	0.000	0.000	Ug5_2_8_L_0						
35 D	16.44	-2.6977E-04	75.32	18.76	75.32	36.15	ACTIVE	0.000	-6.800	63.47	
1.000	1.000	82.22	0.000	0.000	Ug5_2_8_L_0						
36 D	16.93	-2.4487E-04	77.49	19.29	77.49	37.16	ACTIVE	0.000	-7.000	65.33	
1.000	1.000	84.63	0.000	0.000	Ug5_2_8_L_0						
37 D	17.40	-2.2200E-04	79.61	19.82	79.61	38.16	ACTIVE	0.000	-7.200	67.20	
1.000	1.000	87.02	0.000	0.000	Ug5_2_8_L_0						
38 D	17.89	-2.0110E-04	81.77	20.36	81.77	39.16	ACTIVE	0.000	-7.400	69.07	
1.000	1.000	89.43	0.000	0.000	Ug5_2_8_L_0						
39 D	18.37	-1.8214E-04	83.93	20.90	83.93	40.17	ACTIVE	0.000	-7.600	70.93	
1.000	1.000	91.83	0.000	0.000	Ug5_2_8_L_0						
40 D	19.12	-1.6503E-04	86.05	22.80	86.05	41.17	UL-RL	1.1282E+05	-7.800	72.80	
1.000	1.000	95.60	0.000	0.000	Ug5_2_8_L_0						
41 D	20.05	-1.4972E-04	88.21	25.58	88.21	42.18	UL-RL	1.1282E+05	-8.000	74.67	
1.000	1.000	100.2	0.000	0.000	Ug5_2_8_L_0						
42 D	20.94	-1.3611E-04	90.37	28.17	90.37	43.19	UL-RL	1.1282E+05	-8.200	76.53	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
43 D	21.79	-1.2413E-04	92.49	30.57	92.49	44.19	UL-RL	1.1282E+05	-8.400	78.40	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
44 D	22.61	-1.1368E-04	94.65	32.79	94.65	45.20	UL-RL	1.1282E+05	-8.600	80.27	
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
45 D	23.40	-1.0467E-04	96.80	34.85	96.80	46.21	UL-RL	1.1282E+05	-8.800	82.13	
1.000	1.000	117.0	0.000	0.000	Ug5_2_8_L_0						
46 D	24.15	-9.7005E-05	98.96	36.76	98.96	47.22	UL-RL	1.1282E+05	-9.000	84.00	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.88	-9.0583E-05	101.1	38.52	101.1	48.23	UL-RL	1.1282E+05	-9.200	85.87	
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0						
48 D	25.58	-8.5312E-05	103.2	40.15	103.2	49.24	UL-RL	1.1282E+05	-9.400	87.73	
1.000	1.000	127.9	0.000	0.000	Ug5_2_8_L_0						
49 D	26.25	-8.1102E-05	105.4	41.66	105.4	50.26	UL-RL	1.1282E+05	-9.600	89.60	
1.000	1.000	131.3	0.000	0.000	Ug5_2_8_L_0						
50 D	26.91	-7.7861E-05	107.5	43.07	107.5	51.27	UL-RL	1.1282E+05	-9.800	91.47	
1.000	1.000	134.5	0.000	0.000	Ug5_2_8_L_0						
51 D	27.54	-7.5504E-05	109.7	44.36	109.7	52.28	UL-RL	1.1282E+05	-10.00	93.33	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
52 D	28.15	-7.3949E-05	111.8	45.57	111.8	53.29	UL-RL	1.1282E+05	-10.20	95.20	
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0						
53 D	28.75	-7.3119E-05	113.9	46.70	113.9	54.31	UL-RL	1.1282E+05	-10.40	97.07	
1.000	1.000	143.8	0.000	0.000	Ug5_2_8_L_0						
54 D	29.34	-7.2939E-05	116.1	47.75	116.1	55.32	UL-RL	1.1282E+05	-10.60	98.93	
1.000	1.000	146.7	0.000	0.000	Ug5_2_8_L_0						
55 D	29.91	-7.3340E-05	118.2	48.73	118.2	56.34	UL-RL	1.1282E+05	-10.80	100.8	
1.000	1.000	149.5	0.000	0.000	Ug5_2_8_L_0						
56 D	30.47	-7.4258E-05	120.4	49.66	120.4	57.35	UL-RL	1.1282E+05	-11.00	102.7	
1.000	1.000	152.3	0.000	0.000	Ug5_2_8_L_0						
57 D	31.01	-7.5630E-05	122.5	50.53	122.5	58.37	UL-RL	1.1282E+05	-11.20	104.5	
1.000	1.000	155.1	0.000	0.000	Ug5_2_8_L_0						
58 D	31.55	-7.7398E-05	124.6	51.36	124.6	59.39	UL-RL	1.1282E+05	-11.40	106.4	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
59 D	32.08	-7.9507E-05	126.8	52.15	126.8	60.40	UL-RL	1.1282E+05	-11.60	108.3	
1.000	1.000	160.4	0.000	0.000	Ug5_2_8_L_0						
60 D	32.61	-8.1903E-05	128.9	52.91	128.9	61.42	UL-RL	1.1282E+05	-11.80	110.1	
1.000	1.000	163.0	0.000	0.000	Ug5_2_8_L_0						
61 D	33.13	-8.4535E-05	131.1	53.64	131.1	62.44	UL-RL	1.1282E+05	-12.00	112.0	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
62 D	34.79	-8.7353E-05	133.0	60.09	133.0	63.36	UL-RL	5.4011E+04	-12.20	113.9	
1.000	1.000	174.0	0.000	0.000	Ug6_741_743_L_0						
63 D	35.32	-9.0306E-05	135.0	60.87	135.0	64.28	UL-RL	5.4011E+04	-12.40	115.7	
1.000	1.000	176.6	0.000	0.000	Ug6_741_743_L_0						
64 D	35.85	-9.3352E-05	136.9	61.65	136.9	65.20	UL-RL	5.4011E+04	-12.60	117.6	
1.000	1.000	179.2	0.000	0.000	Ug6_741_743_L_0						
65 D	36.38	-9.6456E-05	138.8	62.42	138.8	66.12	UL-RL	5.4011E+04	-12.80	119.5	
1.000	1.000	181.9	0.000	0.000	Ug6_741_743_L_0						
66 D	36.91	-9.9587E-05	140.7	63.20	140.7	67.04	UL-RL	5.4011E+04	-13.00	121.3	
1.000	1.000	184.5	0.000	0.000	Ug6_741_743_L_0						
67 D	37.43	-1.0272E-04	142.6	63.97	142.6	67.96	UL-RL	5.4011E+04	-13.20	123.2	
1.000	1.000	187.2	0.000	0.000	Ug6_741_743_L_0						
68 D	37.96	-1.0585E-04	144.5	64.75	144.5	68.88	UL-RL	5.4011E+04	-13.40	125.1	
1.000	1.000	189.8	0.000	0.000	Ug6_741_743_L_0						

69	D	38.49	-1.0894E-04	146.4	65.53	146.4	69.80	UL-RL	5.4011E+04	-13.60	126.9
1.000		1.000	192.5	0.000	0.000	Ug6_741_743_L_0					
70	D	39.02	-1.1200E-04	148.3	66.31	148.3	70.72	UL-RL	5.4011E+04	-13.80	128.8
1.000		1.000	195.1	0.000	0.000	Ug6_741_743_L_0					
71	D	39.55	-1.1502E-04	150.2	67.09	150.2	71.64	UL-RL	5.4011E+04	-14.00	130.7
1.000		1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
72	D	40.08	-1.1800E-04	152.1	67.88	152.1	72.56	UL-RL	5.4011E+04	-14.20	132.5
1.000		1.000	200.4	0.000	0.000	Ug6_741_743_L_0					
73	D	40.61	-1.2094E-04	154.0	68.67	154.0	73.49	UL-RL	5.4011E+04	-14.40	134.4
1.000		1.000	203.1	0.000	0.000	Ug6_741_743_L_0					
74	D	41.15	-1.2384E-04	155.9	69.46	155.9	74.41	UL-RL	5.4011E+04	-14.60	136.3
1.000		1.000	205.7	0.000	0.000	Ug6_741_743_L_0					
75	D	41.68	-1.2671E-04	157.8	70.25	157.8	75.33	UL-RL	5.4011E+04	-14.80	138.1
1.000		1.000	208.4	0.000	0.000	Ug6_741_743_L_0					
76	D	42.21	-1.2955E-04	159.7	71.05	159.7	76.25	UL-RL	5.4011E+04	-15.00	140.0
1.000		1.000	211.0	0.000	0.000	Ug6_741_743_L_0					
77	D	42.74	-1.3237E-04	161.7	71.85	161.7	77.18	UL-RL	5.4011E+04	-15.20	141.9
1.000		1.000	213.7	0.000	0.000	Ug6_741_743_L_0					
78	D	43.28	-1.3517E-04	163.6	72.65	163.6	78.10	UL-RL	5.4011E+04	-15.40	143.7
1.000		1.000	216.4	0.000	0.000	Ug6_741_743_L_0					
79	D	43.81	-1.3796E-04	165.5	73.45	165.5	79.03	UL-RL	5.4011E+04	-15.60	145.6
1.000		1.000	219.0	0.000	0.000	Ug6_741_743_L_0					
80	D	44.34	-1.4075E-04	167.4	74.25	167.4	79.95	UL-RL	5.4011E+04	-15.80	147.5
1.000		1.000	221.7	0.000	0.000	Ug6_741_743_L_0					
81	D	22.44	-1.4354E-04	169.3	75.05	169.3	80.88	UL-RL	5.4011E+04	-16.00	149.3
1.000		1.000	224.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.4528E-03   0.000       0.000       20.00       15.76       PASSIVE   0.000       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.942      1.3868E-03   1.867       12.58       22.00       16.47       PASSIVE   0.000       -2.200       2.133
1.000       1.000       14.71       0.000       0.000     Ug5_2_8_L_0
  13 D   5.884      1.3213E-03   3.733       25.16       24.00       25.16       PASSIVE   0.000       -2.400       4.267
1.000       1.000       29.42       0.000       0.000     Ug5_2_8_L_0
  14 D   8.640      1.2566E-03   5.600       36.80       26.00       36.80           V-C   1.8697E+04  -2.600       6.400
1.000       1.000       43.20       0.000       0.000     Ug5_2_8_L_0
  15 D   9.024      1.1929E-03   7.467       36.59       28.00       36.59           V-C   1.8697E+04  -2.800       8.533
1.000       1.000       45.12       0.000       0.000     Ug5_2_8_L_0
  16 D   9.408      1.1302E-03   9.333       36.37       30.00       36.37           V-C   1.8697E+04  -3.000       10.67
1.000       1.000       47.04       0.000       0.000     Ug5_2_8_L_0
  17 D   9.794      1.0688E-03   11.20       36.17       32.00       36.17           V-C   1.8697E+04  -3.200       12.80
1.000       1.000       48.97       0.000       0.000     Ug5_2_8_L_0
  18 D   10.18      1.0087E-03   13.07       35.99       34.00       35.99           V-C   1.8697E+04  -3.400       14.93
1.000       1.000       50.92       0.000       0.000     Ug5_2_8_L_0
  19 D   10.58      9.5006E-04   14.93       35.83       36.00       35.83           V-C   1.8697E+04  -3.600       17.07
1.000       1.000       52.89       0.000       0.000     Ug5_2_8_L_0
  20 D   10.98      8.9302E-04   16.80       35.69       38.00       35.69           V-C   1.8697E+04  -3.800       19.20
1.000       1.000       54.89       0.000       0.000     Ug5_2_8_L_0
  21 D   11.39      8.3766E-04   18.67       35.59       40.00       35.59           V-C   1.8697E+04  -4.000       21.33
1.000       1.000       56.93       0.000       0.000     Ug5_2_8_L_0
  22 D   11.80      7.8406E-04   20.53       35.52       42.00       35.52           V-C   1.8697E+04  -4.200       23.47
1.000       1.000       58.99       0.000       0.000     Ug5_2_8_L_0
  23 D   12.22      7.3228E-04   22.40       35.49       44.00       35.49           V-C   1.8697E+04  -4.400       25.60
1.000       1.000       61.09       0.000       0.000     Ug5_2_8_L_0
  24 D   12.64      6.8241E-04   24.27       35.49       46.00       35.49           V-C   1.8697E+04  -4.600       27.73
1.000       1.000       63.22       0.000       0.000     Ug5_2_8_L_0
  25 D   13.08      6.3449E-04   26.13       35.53       48.00       35.53           V-C   1.8697E+04  -4.800       29.87
1.000       1.000       65.40       0.000       0.000     Ug5_2_8_L_0
  26 D   13.52      5.8858E-04   28.00       35.61       50.00       35.61           V-C   1.8697E+04  -5.000       32.00
1.000       1.000       67.61       0.000       0.000     Ug5_2_8_L_0
  27 D   13.97      5.4472E-04   29.87       35.73       52.00       35.73           V-C   1.8697E+04  -5.200       34.13
1.000       1.000       69.86       0.000       0.000     Ug5_2_8_L_0
  28 D   14.43      5.0293E-04   31.73       35.89       54.00       35.89           V-C   1.8697E+04  -5.400       36.27
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1.000	1.000	72.15	0.000	0.000	Ug5_2_8_L_0						
29 D	14.90	4.6325E-04	33.60	36.09	56.00	36.09	V-C	1.8697E+04	-5.600	38.40	
1.000	1.000	74.49	0.000	0.000	Ug5_2_8_L_0						
30 D	15.37	4.2569E-04	35.47	36.33	58.00	36.33	V-C	1.8697E+04	-5.800	40.53	
1.000	1.000	76.86	0.000	0.000	Ug5_2_8_L_0						
31 D	15.86	3.9026E-04	37.33	36.62	60.00	36.62	V-C	1.8697E+04	-6.000	42.67	
1.000	1.000	79.28	0.000	0.000	Ug5_2_8_L_0						
32 D	16.35	3.5696E-04	39.20	36.94	62.00	36.94	V-C	1.8697E+04	-6.200	44.80	
1.000	1.000	81.74	0.000	0.000	Ug5_2_8_L_0						
33 D	16.85	3.2579E-04	41.07	37.31	64.00	37.31	V-C	1.8697E+04	-6.400	46.93	
1.000	1.000	84.25	0.000	0.000	Ug5_2_8_L_0						
34 D	17.36	2.9674E-04	42.93	37.72	66.00	37.72	V-C	1.8697E+04	-6.600	49.07	
1.000	1.000	86.79	0.000	0.000	Ug5_2_8_L_0						
35 D	17.87	2.6977E-04	44.80	38.17	68.00	38.17	V-C	1.8697E+04	-6.800	51.20	
1.000	1.000	89.37	0.000	0.000	Ug5_2_8_L_0						
36 D	18.40	2.4487E-04	46.67	38.66	70.00	38.66	V-C	1.8697E+04	-7.000	53.33	
1.000	1.000	92.00	0.000	0.000	Ug5_2_8_L_0						
37 D	18.93	2.2200E-04	48.53	39.19	72.00	39.19	V-C	1.8697E+04	-7.200	55.47	
1.000	1.000	94.66	0.000	0.000	Ug5_2_8_L_0						
38 D	19.47	2.0110E-04	50.40	39.76	74.00	39.76	V-C	1.8697E+04	-7.400	57.60	
1.000	1.000	97.36	0.000	0.000	Ug5_2_8_L_0						
39 D	20.02	1.8214E-04	52.27	40.37	76.00	40.37	V-C	1.8697E+04	-7.600	59.73	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
40 D	20.58	1.6503E-04	54.13	41.01	78.00	41.01	V-C	1.8697E+04	-7.800	61.87	
1.000	1.000	102.9	0.000	0.000	Ug5_2_8_L_0						
41 D	21.14	1.4972E-04	56.00	41.69	80.00	41.69	V-C	1.8697E+04	-8.000	64.00	
1.000	1.000	105.7	0.000	0.000	Ug5_2_8_L_0						
42 D	21.71	1.3611E-04	57.87	42.40	82.00	42.40	V-C	1.8697E+04	-8.200	66.13	
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0						
43 D	22.28	1.2413E-04	59.73	43.14	84.00	43.14	V-C	1.8697E+04	-8.400	68.27	
1.000	1.000	111.4	0.000	0.000	Ug5_2_8_L_0						
44 D	22.86	1.1368E-04	61.60	43.92	86.00	43.92	V-C	1.8697E+04	-8.600	70.40	
1.000	1.000	114.3	0.000	0.000	Ug5_2_8_L_0						
45 D	23.42	1.0467E-04	63.47	44.56	88.00	44.79	UL-RL	5.6090E+04	-8.800	72.53	
1.000	1.000	117.1	0.000	0.000	Ug5_2_8_L_0						
46 D	23.95	9.7005E-05	65.33	45.08	90.00	45.77	UL-RL	5.6090E+04	-9.000	74.67	
1.000	1.000	119.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.50	9.0583E-05	67.20	45.68	92.00	46.75	UL-RL	5.6090E+04	-9.200	76.80	
1.000	1.000	122.5	0.000	0.000	Ug5_2_8_L_0						
48 D	25.05	8.5312E-05	69.07	46.34	94.00	47.73	UL-RL	5.6090E+04	-9.400	78.93	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
49 D	25.63	8.1102E-05	70.93	47.06	96.00	48.71	UL-RL	5.6090E+04	-9.600	81.07	
1.000	1.000	128.1	0.000	0.000	Ug5_2_8_L_0						
50 D	26.21	7.7861E-05	72.80	47.84	98.00	49.69	UL-RL	5.6090E+04	-9.800	83.20	
1.000	1.000	131.0	0.000	0.000	Ug5_2_8_L_0						
51 D	26.80	7.5504E-05	74.67	48.66	100.00	50.67	UL-RL	5.6090E+04	-10.00	85.33	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
52 D	27.40	7.3949E-05	76.53	49.54	102.0	51.65	UL-RL	5.6090E+04	-10.20	87.47	
1.000	1.000	137.0	0.000	0.000	Ug5_2_8_L_0						
53 D	28.01	7.3119E-05	78.40	50.45	104.0	52.63	UL-RL	5.6090E+04	-10.40	89.60	
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.63	7.2939E-05	80.27	51.40	106.0	53.61	UL-RL	5.6090E+04	-10.60	91.73	
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0						
55 D	29.25	7.3340E-05	82.13	52.39	108.0	54.60	UL-RL	5.6090E+04	-10.80	93.87	
1.000	1.000	146.3	0.000	0.000	Ug5_2_8_L_0						
56 D	29.88	7.4258E-05	84.00	53.41	110.0	55.58	UL-RL	5.6090E+04	-11.00	96.00	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
57 D	30.52	7.5630E-05	85.87	54.45	112.0	56.56	UL-RL	5.6090E+04	-11.20	98.13	
1.000	1.000	152.6	0.000	0.000	Ug5_2_8_L_0						
58 D	31.16	7.7398E-05	87.73	55.52	114.0	57.55	UL-RL	5.6090E+04	-11.40	100.3	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
59 D	31.80	7.9507E-05	89.60	56.60	116.0	58.53	UL-RL	5.6090E+04	-11.60	102.4	
1.000	1.000	159.0	0.000	0.000	Ug5_2_8_L_0						
60 D	32.45	8.1903E-05	91.47	57.70	118.0	59.52	UL-RL	5.6090E+04	-11.80	104.5	
1.000	1.000	162.2	0.000	0.000	Ug5_2_8_L_0						
61 D	33.10	8.4535E-05	93.33	58.82	120.0	60.50	UL-RL	5.6090E+04	-12.00	106.7	
1.000	1.000	165.5	0.000	0.000	Ug5_2_8_L_0						
62 D	33.45	8.7353E-05	95.00	58.46	121.8	61.39	UL-RL	4.2179E+04	-12.20	108.8	
1.000	1.000	167.3	0.000	0.000	Ug6_741_743_L_0						
63 D	34.08	9.0306E-05	96.67	59.45	123.6	62.28	UL-RL	4.2179E+04	-12.40	110.9	
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0						
64 D	34.70	9.3352E-05	98.33	60.45	125.4	63.16	UL-RL	4.2179E+04	-12.60	113.1	
1.000	1.000	173.5	0.000	0.000	Ug6_741_743_L_0						
65 D	35.33	9.6456E-05	100.00	61.44	127.2	64.05	UL-RL	4.2179E+04	-12.80	115.2	
1.000	1.000	176.6	0.000	0.000	Ug6_741_743_L_0						
66 D	35.96	9.9587E-05	101.7	62.44	129.0	64.94	UL-RL	4.2179E+04	-13.00	117.3	
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0						
67 D	36.58	1.0272E-04	103.3	63.44	130.8	65.83	UL-RL	4.2179E+04	-13.20	119.5	
1.000	1.000	182.9	0.000	0.000	Ug6_741_743_L_0						
68 D	37.21	1.0585E-04	105.0	64.44	132.6	66.72	UL-RL	4.2179E+04	-13.40	121.6	
1.000	1.000	186.0	0.000	0.000	Ug6_741_743_L_0						

69 D	37.83	1.0894E-04	106.7	65.43	134.4	67.60	UL-RL	4.2179E+04	-13.60	123.7
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0					
70 D	38.46	1.1200E-04	108.3	66.43	136.2	68.49	UL-RL	4.2179E+04	-13.80	125.9
1.000	1.000	192.3	0.000	0.000	Ug6_741_743_L_0					
71 D	39.08	1.1502E-04	110.0	67.42	138.0	69.38	UL-RL	4.2179E+04	-14.00	128.0
1.000	1.000	195.4	0.000	0.000	Ug6_741_743_L_0					
72 D	39.71	1.1800E-04	111.7	68.41	139.8	70.27	UL-RL	4.2179E+04	-14.20	130.1
1.000	1.000	198.5	0.000	0.000	Ug6_741_743_L_0					
73 D	40.33	1.2094E-04	113.3	69.40	141.6	71.16	UL-RL	4.2179E+04	-14.40	132.3
1.000	1.000	201.7	0.000	0.000	Ug6_741_743_L_0					
74 D	40.96	1.2384E-04	115.0	70.39	143.4	72.05	UL-RL	4.2179E+04	-14.60	134.4
1.000	1.000	204.8	0.000	0.000	Ug6_741_743_L_0					
75 D	41.58	1.2671E-04	116.7	71.38	145.2	72.94	UL-RL	4.2179E+04	-14.80	136.5
1.000	1.000	207.9	0.000	0.000	Ug6_741_743_L_0					
76 D	42.21	1.2955E-04	118.3	72.36	147.0	73.84	UL-RL	4.2179E+04	-15.00	138.7
1.000	1.000	211.0	0.000	0.000	Ug6_741_743_L_0					
77 D	42.83	1.3237E-04	120.0	73.35	148.8	74.73	UL-RL	4.2179E+04	-15.20	140.8
1.000	1.000	214.1	0.000	0.000	Ug6_741_743_L_0					
78 D	43.45	1.3517E-04	121.7	74.33	150.6	75.62	UL-RL	4.2179E+04	-15.40	142.9
1.000	1.000	217.3	0.000	0.000	Ug6_741_743_L_0					
79 D	44.08	1.3796E-04	123.3	75.31	152.4	76.51	UL-RL	4.2179E+04	-15.60	145.1
1.000	1.000	220.4	0.000	0.000	Ug6_741_743_L_0					
80 D	44.70	1.4075E-04	125.0	76.30	154.2	77.40	UL-RL	4.2179E+04	-15.80	147.2
1.000	1.000	223.5	0.000	0.000	Ug6_741_743_L_0					
81 D	22.66	1.4354E-04	126.7	77.28	156.0	78.29	UL-RL	4.2179E+04	-16.00	149.3
1.000	1.000	226.6	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-4.29914E-10 4.29914E-10-4.31832E-11-1.89935E-10
    2 0.47998    -0.47998     1.61177E-10 9.59953E-02
    3  1.4419     -1.4419    -9.59953E-02 0.38439
    4  2.8885     -2.8885    -0.38439     0.96209
    5  4.8216     -4.8216    -0.96209      1.9264
    6  7.2421     -7.2421     -1.9264      3.3748
    7  10.150     -10.150     -3.3748      5.4048
    8  13.551     -13.551     -5.4048      8.1149
    9  17.446     -17.446     -8.1149      11.604
   10  21.825     -21.825     -11.604      15.969
   11  26.694     -26.694     -15.969      21.308
   12  29.111     -29.111     -21.308      27.130
   13  29.066     -29.066     -27.130      32.943
   14  26.753     -26.753     -32.943      38.294
   15  24.542     -24.542     -38.294      43.202
   16  22.432     -22.432     -43.202      47.689
   17  20.416     -20.416     -47.689      51.772
   18  18.494     -18.494     -51.772      55.471
   19  16.662     -16.662     -55.471      58.803
   20  14.909     -14.909     -58.803      61.785
   21  13.233     -13.233     -61.785      64.431
   22  11.627     -11.627     -64.431      66.757
   23  10.081     -10.081     -66.757      68.773
   24  8.5900     -8.5900     -68.773      70.491
   25  7.1471     -7.1471     -70.491      71.920
   26  5.7439     -5.7439     -71.920      73.069
   27  4.3693     -4.3693     -73.069      73.943
   28  3.0179     -3.0179     -73.943      74.547
   29  1.6812     -1.6812     -74.547      74.883
   30 0.34834    -0.34834     -74.883      74.952
   31-0.98667     0.98667     -74.952      74.755
   32 -2.3323      2.3323     -74.755      74.289
   33 -3.6993      3.6993     -74.289      73.549
   34 -5.0937      5.0937     -73.549      72.530
   35 -6.5237      6.5237     -72.530      71.225
   36 -7.9975      7.9975     -71.225      69.626
   37 -9.5252      9.5252     -69.626      67.721
   38 -11.112      11.112     -67.721      65.498
   39 -12.767      12.767     -65.498      62.945
   40 -14.223      14.223     -62.945      60.100
   41 -15.311      15.311     -60.100      57.038
   42 -16.078      16.078     -57.038      53.822
   43 -16.567      16.567     -53.822      50.509
   44 -16.819      16.819     -50.509      47.145
   45 -16.841      16.841     -47.145      43.777
   46 -16.640      16.640     -43.777      40.449
   47 -16.258      16.258     -40.449      37.198
   48 -15.735      15.735     -37.198      34.051
   49 -15.107      15.107     -34.051      31.029
   50 -14.408      14.408     -31.029      28.148
   51 -13.668      13.668     -28.148      25.414
   52 -12.914      12.914     -25.414      22.831
   53 -12.171      12.171     -22.831      20.397
   54 -11.462      11.462     -20.397      18.105
   55 -10.807      10.807     -18.105      15.943
   56 -10.223      10.223     -15.943      13.899
   57 -9.7263      9.7263     -13.899      11.954
   58 -9.3304      9.3304     -11.954      10.087
   59 -9.0471      9.0471     -10.087      8.2781
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   60 -8.8863      8.8863     -8.2781      6.5008
   61 -8.8560      8.8560     -6.5008      4.7296
   62 -7.5175      7.5175     -4.7296      3.2261
   63 -6.2739      6.2739     -3.2261      1.9713
   64 -5.1271      5.1271     -1.9713     0.94592
   65 -4.0781      4.0781    -0.94592     0.13031
   66 -3.1271      3.1271    -0.13031    -0.49511
   67 -2.2741      2.2741     0.49511    -0.94993
   68 -1.5188      1.5188     0.94993     -1.2537
   69-0.86036     0.86036      1.2537     -1.4258
   70-0.29804     0.29804      1.4258     -1.4854
   71 0.16912    -0.16912      1.4854     -1.4515
   72 0.54206    -0.54206      1.4515     -1.3431
   73 0.82172    -0.82172      1.3431     -1.1788
   74  1.0089     -1.0089      1.1788    -0.97700
   75  1.1044     -1.1044     0.97700    -0.75611
   76  1.1089     -1.1089     0.75611    -0.53434
   77  1.0227     -1.0227     0.53434    -0.32981
   78 0.84619    -0.84619     0.32981    -0.16057
   79 0.57966    -0.57966     0.16057    -4.46398E-02
   80 0.22319    -0.22319     4.46398E-02 2.75346E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 612.1     REMNOR=0.1057E-19 RATIO =0.7230E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.7230E-01 RATIOR= 0.000
           MAX UN= 9.298     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7356E-01 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 165.6     REMNOR=0.1129E-19 RATIO =0.3761E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.3761E-01 RATIOR= 0.000
           MAX UN= 2.504     IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           MIN UN=-.3693E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 91.11     REMNOR=0.9564E-18 RATIO =0.2789E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.2789E-01 RATIOR= 0.000
           MAX UN= 5.206     IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           MIN UN=-.4107E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 1.926     REMNOR=0.1805E-18 RATIO =0.4056E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.4056E-02 RATIOR= 0.000
           MAX UN= 1.259     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.2725E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM=0.4394E-16 REMNOR=0.1376E-18 RATIO =0.1937E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.1937E-10 RATIOR= 0.000
           MAX UN=0.2200E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.2567E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.3475448E-03  -9.7666762E-04
    2   7.1522113E-03  -9.7666762E-04
    3   6.9568782E-03  -9.7666094E-04
    4   6.7615487E-03  -9.7662754E-04
    5   6.5662312E-03  -9.7653391E-04
    6   6.3709423E-03  -9.7633304E-04
    7   6.1757092E-03  -9.7596438E-04
    8   5.9805727E-03  -9.7535382E-04
    9   5.7855896E-03  -9.7441359E-04
   10   5.5908360E-03  -9.7304221E-04
   11   5.3964092E-03  -9.7112456E-04
   12   5.2024311E-03  -9.6853199E-04
   13   5.0090508E-03  -9.6512220E-04
   14   4.8164471E-03  -9.6073940E-04
   15   4.6248312E-03  -9.5521433E-04
   16   4.4344497E-03  -9.4836420E-04
   17   4.2455860E-03  -9.3999266E-04
   18   4.0585644E-03  -9.2993074E-04
   19   3.8737332E-03  -9.1807731E-04
   20   3.6914551E-03  -9.0439915E-04
   21   3.5120937E-03  -8.8893109E-04
   22   3.3359961E-03  -8.7177569E-04
   23   3.1634858E-03  -8.5308512E-04
   24   2.9948535E-03  -8.3302225E-04
   25   2.8303582E-03  -8.1174069E-04
   26   2.6702288E-03  -7.8938515E-04
   27   2.5146674E-03  -7.6609184E-04
   28   2.3638469E-03  -7.4198850E-04
   29   2.2179180E-03  -7.1719542E-04
   30   2.0770072E-03  -6.9182542E-04
   31   1.9412192E-03  -6.6598438E-04
   32   1.8106388E-03  -6.3977187E-04
   33   1.6853297E-03  -6.1328098E-04
   34   1.5653392E-03  -5.8659961E-04
   35   1.4506970E-03  -5.5981043E-04
   36   1.3414170E-03  -5.3299141E-04
   37   1.2374980E-03  -5.0621642E-04
   38   1.1389233E-03  -4.7955520E-04
   39   1.0456639E-03  -4.5307461E-04
   40   9.5767720E-04  -4.2683851E-04
   41   8.7490811E-04  -4.0090839E-04
   42   7.9728947E-04  -3.7534381E-04
   43   7.2474235E-04  -3.5020279E-04
   44   6.5717632E-04  -3.2554228E-04
   45   5.9448995E-04  -3.0141871E-04
   46   5.3656964E-04  -2.7788786E-04
   47   4.8329154E-04  -2.5500600E-04
   48   4.3452019E-04  -2.3282981E-04
   49   3.9010873E-04  -2.1141690E-04
   50   3.4989882E-04  -1.9082618E-04
   51   3.1371963E-04  -1.7111789E-04
   52   2.8138792E-04  -1.5235387E-04
   53   2.5271188E-04  -1.3459157E-04
   54   2.2748333E-04  -1.1787067E-04
   55   2.0549212E-04  -1.0222214E-04
   56   1.8652175E-04  -8.7664381E-05
   57   1.7035317E-04  -7.4204588E-05
   58   1.5676685E-04  -6.1840764E-05
   59   1.4554442E-04  -5.0563605E-05
   60   1.3646996E-04  -4.0358204E-05
   61   1.2933096E-04  -3.1205602E-05
   62   1.2391898E-04  -2.3084186E-05
   63   1.2003178E-04  -1.5945310E-05
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64	1.1748030E-04	-9.7146687E-06
65	1.1609025E-04	-4.3189574E-06
66	1.1570185E-04	3.1365992E-07
67	1.1616951E-04	4.2531537E-06
68	1.1736142E-04	7.5672914E-06
69	1.1915908E-04	1.0321355E-05
70	1.2145679E-04	1.2577907E-05
71	1.2416106E-04	1.4396601E-05
72	1.2719001E-04	1.5834026E-05
73	1.3047281E-04	1.6943588E-05
74	1.3394893E-04	1.7775413E-05
75	1.3756758E-04	1.8376280E-05
76	1.4128694E-04	1.8789570E-05
77	1.4507356E-04	1.9055226E-05
78	1.4890162E-04	1.9209734E-05
79	1.5275225E-04	1.9286105E-05
80	1.5661282E-04	1.9313870E-05
81	1.6047648E-04	1.9319074E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -7.3475E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4689     -7.1522E-03   2.215      0.5515       2.215       1.603          ACTIVE   0.000     -0.2000       1.793
1.000       1.000       2.345       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9399     -6.9569E-03   4.471       1.113       4.471       3.119          ACTIVE   0.000     -0.4000       3.586
1.000       1.000       4.699       0.000       0.000     Ug5_2_8_L_0
   4 D   1.413     -6.7615E-03   6.779       1.688       6.779       4.509          ACTIVE   0.000     -0.6000       5.379
1.000       1.000       7.067       0.000       0.000     Ug5_2_8_L_0
   5 D   1.889     -6.5662E-03   9.125       2.272       9.125       5.780          ACTIVE   0.000     -0.8000       7.172
1.000       1.000       9.444       0.000       0.000     Ug5_2_8_L_0
   6 D   2.365     -6.3709E-03   11.49       2.861       11.49       6.958          ACTIVE   0.000      -1.000       8.966
1.000       1.000       11.83       0.000       0.000     Ug5_2_8_L_0
   7 D   2.842     -6.1757E-03   13.85       3.449       13.85       8.073          ACTIVE   0.000      -1.200       10.76
1.000       1.000       14.21       0.000       0.000     Ug5_2_8_L_0
   8 D   3.323     -5.9806E-03   16.32       4.064       16.32       9.145          ACTIVE   0.000      -1.400       12.55
1.000       1.000       16.62       0.000       0.000     Ug5_2_8_L_0
   9 D   3.807     -5.7856E-03   18.83       4.689       18.83       10.19          ACTIVE   0.000      -1.600       14.34
1.000       1.000       19.03       0.000       0.000     Ug5_2_8_L_0
  10 D   4.280     -5.5908E-03   21.13       5.260       21.13       11.22          ACTIVE   0.000      -1.800       16.14
1.000       1.000       21.40       0.000       0.000     Ug5_2_8_L_0
  11 D   4.759     -5.3964E-03   23.55       5.865       23.55       12.23          ACTIVE   0.000      -2.000       17.93
1.000       1.000       23.80       0.000       0.000     Ug5_2_8_L_0
  12 D   5.237     -5.2024E-03   25.95       6.461       25.95       13.24          ACTIVE   0.000      -2.200       19.72
1.000       1.000       26.18       0.000       0.000     Ug5_2_8_L_0
  13 D   5.707     -5.0091E-03   28.19       7.020       28.19       14.24          ACTIVE   0.000      -2.400       21.52
1.000       1.000       28.54       0.000       0.000     Ug5_2_8_L_0
  14 D   6.183     -4.8164E-03   30.55       7.606       30.55       15.24          ACTIVE   0.000      -2.600       23.31
1.000       1.000       30.92       0.000       0.000     Ug5_2_8_L_0
  15 D   6.658     -4.6248E-03   32.88       8.187       32.88       16.23          ACTIVE   0.000      -2.800       25.10
1.000       1.000       33.29       0.000       0.000     Ug5_2_8_L_0
  16 D   7.132     -4.4344E-03   35.20       8.765       35.20       17.23          ACTIVE   0.000      -3.000       26.90
1.000       1.000       35.66       0.000       0.000     Ug5_2_8_L_0
  17 D   7.601     -4.2456E-03   37.42       9.317       37.42       18.22          ACTIVE   0.000      -3.200       28.69
1.000       1.000       38.01       0.000       0.000     Ug5_2_8_L_0
  18 D   8.075     -4.0586E-03   39.72       9.890       39.72       19.21          ACTIVE   0.000      -3.400       30.48
1.000       1.000       40.37       0.000       0.000     Ug5_2_8_L_0
  19 D   8.547     -3.8737E-03   42.01       10.46       42.01       20.21          ACTIVE   0.000      -3.600       32.28
1.000       1.000       42.74       0.000       0.000     Ug5_2_8_L_0
  20 D   9.016     -3.6915E-03   44.22       11.01       44.22       21.20          ACTIVE   0.000      -3.800       34.07
1.000       1.000       45.08       0.000       0.000     Ug5_2_8_L_0
  21 D   9.488     -3.5121E-03   46.50       11.58       46.50       22.19          ACTIVE   0.000      -4.000       35.86
1.000       1.000       47.44       0.000       0.000     Ug5_2_8_L_0
  22 D   9.960     -3.3360E-03   48.77       12.14       48.77       23.18          ACTIVE   0.000      -4.200       37.66
1.000       1.000       49.80       0.000       0.000     Ug5_2_8_L_0
  23 D   10.43     -3.1635E-03   50.98       12.69       50.98       24.18          ACTIVE   0.000      -4.400       39.45
1.000       1.000       52.14       0.000       0.000     Ug5_2_8_L_0
  24 D   10.90     -2.9949E-03   53.24       13.26       53.24       25.17          ACTIVE   0.000      -4.600       41.24
1.000       1.000       54.50       0.000       0.000     Ug5_2_8_L_0
  25 D   11.37     -2.8304E-03   55.51       13.82       55.51       26.17          ACTIVE   0.000      -4.800       43.03
1.000       1.000       56.86       0.000       0.000     Ug5_2_8_L_0
  26 D   11.84     -2.6702E-03   57.76       14.38       57.76       27.16          ACTIVE   0.000      -5.000       44.83
1.000       1.000       59.21       0.000       0.000     Ug5_2_8_L_0
  27 D   12.31     -2.5147E-03   59.96       14.93       59.96       28.16          ACTIVE   0.000      -5.200       46.62
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  28 D   12.78     -2.3638E-03   62.21       15.49       62.21       29.16          ACTIVE   0.000      -5.400       48.41
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1.000	1.000	63.90	0.000	0.000	Ug5_2_8_L_0					
29 D	13.25	-2.2179E-03	64.46	16.05	64.46	30.15	ACTIVE	0.000	-5.600	50.21
1.000	1.000	66.26	0.000	0.000	Ug5_2_8_L_0					
30 D	13.72	-2.0770E-03	66.66	16.60	66.66	31.15	ACTIVE	0.000	-5.800	52.00
1.000	1.000	68.60	0.000	0.000	Ug5_2_8_L_0					
31 D	14.19	-1.9412E-03	68.91	17.16	68.91	32.15	ACTIVE	0.000	-6.000	53.79
1.000	1.000	70.95	0.000	0.000	Ug5_2_8_L_0					
32 D	14.66	-1.8106E-03	71.15	17.72	71.15	33.15	ACTIVE	0.000	-6.200	55.59
1.000	1.000	73.30	0.000	0.000	Ug5_2_8_L_0					
33 D	15.13	-1.6853E-03	73.35	18.26	73.35	34.15	ACTIVE	0.000	-6.400	57.38
1.000	1.000	75.64	0.000	0.000	Ug5_2_8_L_0					
34 D	15.60	-1.5653E-03	75.59	18.82	75.59	35.15	ACTIVE	0.000	-6.600	59.17
1.000	1.000	77.99	0.000	0.000	Ug5_2_8_L_0					
35 D	16.07	-1.4507E-03	77.83	19.38	77.83	36.15	ACTIVE	0.000	-6.800	60.97
1.000	1.000	80.34	0.000	0.000	Ug5_2_8_L_0					
36 D	16.54	-1.3414E-03	80.06	19.94	80.06	37.16	ACTIVE	0.000	-7.000	62.76
1.000	1.000	82.69	0.000	0.000	Ug5_2_8_L_0					
37 D	17.01	-1.2375E-03	82.26	20.48	82.26	38.16	ACTIVE	0.000	-7.200	64.55
1.000	1.000	85.03	0.000	0.000	Ug5_2_8_L_0					
38 D	17.48	-1.1389E-03	84.49	21.04	84.49	39.16	ACTIVE	0.000	-7.400	66.34
1.000	1.000	87.38	0.000	0.000	Ug5_2_8_L_0					
39 D	17.95	-1.0457E-03	86.73	21.59	86.73	40.17	ACTIVE	0.000	-7.600	68.14
1.000	1.000	89.73	0.000	0.000	Ug5_2_8_L_0					
40 D	18.41	-9.5768E-04	88.92	22.14	88.92	41.17	ACTIVE	0.000	-7.800	69.93
1.000	1.000	92.07	0.000	0.000	Ug5_2_8_L_0					
41 D	18.88	-8.7491E-04	91.15	22.70	91.15	42.18	ACTIVE	0.000	-8.000	71.72
1.000	1.000	94.42	0.000	0.000	Ug5_2_8_L_0					
42 D	19.35	-7.9729E-04	93.38	23.25	93.38	43.19	ACTIVE	0.000	-8.200	73.52
1.000	1.000	96.77	0.000	0.000	Ug5_2_8_L_0					
43 D	19.82	-7.2474E-04	95.58	23.80	95.58	44.19	ACTIVE	0.000	-8.400	75.31
1.000	1.000	99.11	0.000	0.000	Ug5_2_8_L_0					
44 D	20.29	-6.5718E-04	97.81	24.35	97.81	45.20	ACTIVE	0.000	-8.600	77.10
1.000	1.000	101.5	0.000	0.000	Ug5_2_8_L_0					
45 D	20.76	-5.9449E-04	100.0	24.91	100.0	46.21	ACTIVE	0.000	-8.800	78.90
1.000	1.000	103.8	0.000	0.000	Ug5_2_8_L_0					
46 D	21.23	-5.3657E-04	102.3	25.46	102.3	47.22	ACTIVE	0.000	-9.000	80.69
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0					
47 D	21.70	-4.8329E-04	104.5	26.01	104.5	48.23	ACTIVE	0.000	-9.200	82.48
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0					
48 D	22.17	-4.3452E-04	106.7	26.57	106.7	49.24	ACTIVE	0.000	-9.400	84.28
1.000	1.000	110.8	0.000	0.000	Ug5_2_8_L_0					
49 D	22.64	-3.9011E-04	108.9	27.12	108.9	50.26	ACTIVE	0.000	-9.600	86.07
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0					
50 D	23.11	-3.4990E-04	111.1	27.67	111.1	51.27	ACTIVE	0.000	-9.800	87.86
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0					
51 D	23.59	-3.1372E-04	113.3	28.29	113.3	52.28	UL-RL	7.5213E+04	-10.00	89.66
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0					
52 D	24.66	-2.8139E-04	115.6	31.85	115.6	53.29	UL-RL	7.5213E+04	-10.20	91.45
1.000	1.000	123.3	0.000	0.000	Ug5_2_8_L_0					
53 D	25.67	-2.5271E-04	117.8	35.10	117.8	54.31	UL-RL	7.5213E+04	-10.40	93.24
1.000	1.000	128.3	0.000	0.000	Ug5_2_8_L_0					
54 D	26.62	-2.2748E-04	120.0	38.08	120.0	55.32	UL-RL	7.5213E+04	-10.60	95.03
1.000	1.000	133.1	0.000	0.000	Ug5_2_8_L_0					
55 D	27.52	-2.0549E-04	122.2	40.78	122.2	56.34	UL-RL	7.5213E+04	-10.80	96.83
1.000	1.000	137.6	0.000	0.000	Ug5_2_8_L_0					
56 D	28.37	-1.8652E-04	124.4	43.24	124.4	57.35	UL-RL	7.5213E+04	-11.00	98.62
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0					
57 D	29.18	-1.7035E-04	126.6	45.47	126.6	58.37	UL-RL	7.5213E+04	-11.20	100.4
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0					
58 D	29.94	-1.5677E-04	128.8	47.49	128.8	59.39	UL-RL	7.5213E+04	-11.40	102.2
1.000	1.000	149.7	0.000	0.000	Ug5_2_8_L_0					
59 D	30.66	-1.4554E-04	131.1	49.32	131.1	60.40	UL-RL	7.5213E+04	-11.60	104.0
1.000	1.000	153.3	0.000	0.000	Ug5_2_8_L_0					
60 D	31.35	-1.3647E-04	133.3	50.97	133.3	61.42	UL-RL	7.5213E+04	-11.80	105.8
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0					
61 D	32.01	-1.2933E-04	135.5	52.48	135.5	62.44	UL-RL	7.5213E+04	-12.00	107.6
1.000	1.000	160.1	0.000	0.000	Ug5_2_8_L_0					
62 D	34.08	-1.2392E-04	137.5	61.02	137.5	63.36	UL-RL	3.6008E+04	-12.20	109.4
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0					
63 D	34.65	-1.2003E-04	139.5	62.08	139.5	64.28	UL-RL	3.6008E+04	-12.40	111.2
1.000	1.000	173.3	0.000	0.000	Ug6_741_743_L_0					
64 D	35.21	-1.1748E-04	141.5	63.10	141.5	65.20	UL-RL	3.6008E+04	-12.60	113.0
1.000	1.000	176.1	0.000	0.000	Ug6_741_743_L_0					
65 D	35.77	-1.1609E-04	143.5	64.07	143.5	66.12	UL-RL	3.6008E+04	-12.80	114.8
1.000	1.000	178.8	0.000	0.000	Ug6_741_743_L_0					
66 D	36.31	-1.1570E-04	145.5	65.01	145.5	67.04	UL-RL	3.6008E+04	-13.00	116.6
1.000	1.000	181.6	0.000	0.000	Ug6_741_743_L_0					
67 D	36.85	-1.1617E-04	147.5	65.92	147.5	67.96	UL-RL	3.6008E+04	-13.20	118.3
1.000	1.000	184.3	0.000	0.000	Ug6_741_743_L_0					
68 D	37.39	-1.1736E-04	149.4	66.80	149.4	68.88	UL-RL	3.6008E+04	-13.40	120.1
1.000	1.000	186.9	0.000	0.000	Ug6_741_743_L_0					

69 D	37.92	-1.1916E-04	151.4	67.66	151.4	69.80	UL-RL	3.6008E+04	-13.60	121.9
1.000	1.000	189.6	0.000	0.000	Ug6_741_743_L_0					
70 D	38.45	-1.2146E-04	153.4	68.50	153.4	70.72	UL-RL	3.6008E+04	-13.80	123.7
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0					
71 D	38.97	-1.2416E-04	155.4	69.34	155.4	71.64	UL-RL	3.6008E+04	-14.00	125.5
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0					
72 D	39.49	-1.2719E-04	157.3	70.16	157.3	72.56	UL-RL	3.6008E+04	-14.20	127.3
1.000	1.000	197.5	0.000	0.000	Ug6_741_743_L_0					
73 D	40.01	-1.3047E-04	159.3	70.97	159.3	73.49	UL-RL	3.6008E+04	-14.40	129.1
1.000	1.000	200.1	0.000	0.000	Ug6_741_743_L_0					
74 D	40.54	-1.3395E-04	161.3	71.78	161.3	74.41	UL-RL	3.6008E+04	-14.60	130.9
1.000	1.000	202.7	0.000	0.000	Ug6_741_743_L_0					
75 D	41.05	-1.3757E-04	163.3	72.58	163.3	75.33	UL-RL	3.6008E+04	-14.80	132.7
1.000	1.000	205.3	0.000	0.000	Ug6_741_743_L_0					
76 D	41.57	-1.4129E-04	165.3	73.39	165.3	76.25	UL-RL	3.6008E+04	-15.00	134.5
1.000	1.000	207.9	0.000	0.000	Ug6_741_743_L_0					
77 D	42.09	-1.4507E-04	167.2	74.19	167.2	77.18	UL-RL	3.6008E+04	-15.20	136.3
1.000	1.000	210.5	0.000	0.000	Ug6_741_743_L_0					
78 D	42.61	-1.4890E-04	169.2	74.98	169.2	78.10	UL-RL	3.6008E+04	-15.40	138.1
1.000	1.000	213.1	0.000	0.000	Ug6_741_743_L_0					
79 D	43.13	-1.5275E-04	171.2	75.78	171.2	79.03	UL-RL	3.6008E+04	-15.60	139.9
1.000	1.000	215.6	0.000	0.000	Ug6_741_743_L_0					
80 D	43.65	-1.5661E-04	173.2	76.58	173.2	79.95	UL-RL	3.6008E+04	-15.80	141.7
1.000	1.000	218.2	0.000	0.000	Ug6_741_743_L_0					
81 D	22.08	-1.6048E-04	175.2	77.38	175.2	80.88	UL-RL	3.6008E+04	-16.00	143.4
1.000	1.000	220.8	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      4.4344E-03   0.000       0.000       30.00       36.37       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.858      4.2456E-03   1.793       12.08       32.00       36.17       PASSIVE   0.000       -3.200       2.207
1.000       1.000       14.29       0.000       0.000     Ug5_2_8_L_0
  18 D   5.716      4.0586E-03   3.586       24.16       34.00       35.99       PASSIVE   0.000       -3.400       4.414
1.000       1.000       28.58       0.000       0.000     Ug5_2_8_L_0
  19 D   8.573      3.8737E-03   5.379       36.25       36.00       36.25       PASSIVE   0.000       -3.600       6.621
1.000       1.000       42.87       0.000       0.000     Ug5_2_8_L_0
  20 D   11.43      3.6915E-03   7.172       48.33       38.00       48.33       PASSIVE   0.000       -3.800       8.828
1.000       1.000       57.16       0.000       0.000     Ug5_2_8_L_0
  21 D   14.29      3.5121E-03   8.966       60.41       40.00       60.41       PASSIVE   0.000       -4.000       11.03
1.000       1.000       71.44       0.000       0.000     Ug5_2_8_L_0
  22 D   15.84      3.3360E-03   10.76       65.98       42.00       65.98           V-C   1.2465E+04  -4.200       13.24
1.000       1.000       79.22       0.000       0.000     Ug5_2_8_L_0
  23 D   15.98      3.1635E-03   12.55       64.48       44.00       64.48           V-C   1.2465E+04  -4.400       15.45
1.000       1.000       79.92       0.000       0.000     Ug5_2_8_L_0
  24 D   16.14      2.9949E-03   14.34       63.03       46.00       63.03           V-C   1.2465E+04  -4.600       17.66
1.000       1.000       80.68       0.000       0.000     Ug5_2_8_L_0
  25 D   16.30      2.8304E-03   16.14       61.64       48.00       61.64           V-C   1.2465E+04  -4.800       19.86
1.000       1.000       81.50       0.000       0.000     Ug5_2_8_L_0
  26 D   16.48      2.6702E-03   17.93       60.31       50.00       60.31           V-C   1.2465E+04  -5.000       22.07
1.000       1.000       82.38       0.000       0.000     Ug5_2_8_L_0
  27 D   16.67      2.5147E-03   19.72       59.05       52.00       59.05           V-C   1.2465E+04  -5.200       24.28
1.000       1.000       83.33       0.000       0.000     Ug5_2_8_L_0
  28 D   16.87      2.3638E-03   21.52       57.86       54.00       57.86           V-C   1.2465E+04  -5.400       26.48
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1.000	1.000	84.35	0.000	0.000	Ug5_2_8_L_0						
29 D	17.09	2.2179E-03	23.31	56.75	56.00	56.75	V-C	1.2465E+04	-5.600	28.69	
1.000	1.000	85.44	0.000	0.000	Ug5_2_8_L_0						
30 D	17.32	2.0770E-03	25.10	55.71	58.00	55.71	V-C	1.2465E+04	-5.800	30.90	
1.000	1.000	86.61	0.000	0.000	Ug5_2_8_L_0						
31 D	17.57	1.9412E-03	26.90	54.76	60.00	54.76	V-C	1.2465E+04	-6.000	33.10	
1.000	1.000	87.86	0.000	0.000	Ug5_2_8_L_0						
32 D	17.84	1.8106E-03	28.69	53.88	62.00	53.88	V-C	1.2465E+04	-6.200	35.31	
1.000	1.000	89.19	0.000	0.000	Ug5_2_8_L_0						
33 D	18.12	1.6853E-03	30.48	53.07	64.00	53.07	V-C	1.2465E+04	-6.400	37.52	
1.000	1.000	90.59	0.000	0.000	Ug5_2_8_L_0						
34 D	18.42	1.5653E-03	32.28	52.35	66.00	52.35	V-C	1.2465E+04	-6.600	39.72	
1.000	1.000	92.08	0.000	0.000	Ug5_2_8_L_0						
35 D	18.73	1.4507E-03	34.07	51.72	68.00	51.72	V-C	1.2465E+04	-6.800	41.93	
1.000	1.000	93.65	0.000	0.000	Ug5_2_8_L_0						
36 D	19.06	1.3414E-03	35.86	51.16	70.00	51.16	V-C	1.2465E+04	-7.000	44.14	
1.000	1.000	95.29	0.000	0.000	Ug5_2_8_L_0						
37 D	19.40	1.2375E-03	37.66	50.68	72.00	50.68	V-C	1.2465E+04	-7.200	46.34	
1.000	1.000	97.02	0.000	0.000	Ug5_2_8_L_0						
38 D	19.77	1.1389E-03	39.45	50.28	74.00	50.28	V-C	1.2465E+04	-7.400	48.55	
1.000	1.000	98.83	0.000	0.000	Ug5_2_8_L_0						
39 D	20.14	1.0457E-03	41.24	49.96	76.00	49.96	V-C	1.2465E+04	-7.600	50.76	
1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0						
40 D	20.54	9.5768E-04	43.03	49.72	78.00	49.72	V-C	1.2465E+04	-7.800	52.97	
1.000	1.000	102.7	0.000	0.000	Ug5_2_8_L_0						
41 D	20.95	8.7491E-04	44.83	49.56	80.00	49.56	V-C	1.2465E+04	-8.000	55.17	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
42 D	21.37	7.9729E-04	46.62	49.47	82.00	49.47	V-C	1.2465E+04	-8.200	57.38	
1.000	1.000	106.8	0.000	0.000	Ug5_2_8_L_0						
43 D	21.81	7.2474E-04	48.41	49.45	84.00	49.45	V-C	1.2465E+04	-8.400	59.59	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
44 D	22.26	6.5718E-04	50.21	49.51	86.00	49.51	V-C	1.2465E+04	-8.600	61.79	
1.000	1.000	111.3	0.000	0.000	Ug5_2_8_L_0						
45 D	22.73	5.9449E-04	52.00	49.64	88.00	49.64	V-C	1.2465E+04	-8.800	64.00	
1.000	1.000	113.6	0.000	0.000	Ug5_2_8_L_0						
46 D	23.21	5.3657E-04	53.79	49.84	90.00	49.84	V-C	1.2465E+04	-9.000	66.21	
1.000	1.000	116.0	0.000	0.000	Ug5_2_8_L_0						
47 D	23.70	4.8329E-04	55.59	50.10	92.00	50.10	V-C	1.2465E+04	-9.200	68.41	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
48 D	24.21	4.3452E-04	57.38	50.43	94.00	50.43	V-C	1.2465E+04	-9.400	70.62	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
49 D	24.73	3.9011E-04	59.17	50.82	96.00	50.82	V-C	1.2465E+04	-9.600	72.83	
1.000	1.000	123.6	0.000	0.000	Ug5_2_8_L_0						
50 D	25.26	3.4990E-04	60.97	51.27	98.00	51.27	V-C	1.2465E+04	-9.800	75.03	
1.000	1.000	126.3	0.000	0.000	Ug5_2_8_L_0						
51 D	25.80	3.1372E-04	62.76	51.77	100.00	51.77	V-C	1.2465E+04	-10.00	77.24	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
52 D	26.36	2.8139E-04	64.55	52.33	102.0	52.33	V-C	1.2465E+04	-10.20	79.45	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
53 D	26.92	2.5271E-04	66.34	52.94	104.0	52.94	V-C	1.2465E+04	-10.40	81.66	
1.000	1.000	134.6	0.000	0.000	Ug5_2_8_L_0						
54 D	27.48	2.2748E-04	68.14	53.56	106.0	53.61	UL-RL	3.7394E+04	-10.60	83.86	
1.000	1.000	137.4	0.000	0.000	Ug5_2_8_L_0						
55 D	27.95	2.0549E-04	69.93	53.69	108.0	54.60	UL-RL	3.7394E+04	-10.80	86.07	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
56 D	28.45	1.8652E-04	71.72	53.95	110.0	55.58	UL-RL	3.7394E+04	-11.00	88.28	
1.000	1.000	142.2	0.000	0.000	Ug5_2_8_L_0						
57 D	28.96	1.7035E-04	73.52	54.33	112.0	56.56	UL-RL	3.7394E+04	-11.20	90.48	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
58 D	29.50	1.5677E-04	75.31	54.81	114.0	57.55	UL-RL	3.7394E+04	-11.40	92.69	
1.000	1.000	147.5	0.000	0.000	Ug5_2_8_L_0						
59 D	30.06	1.4554E-04	77.10	55.38	116.0	58.53	UL-RL	3.7394E+04	-11.60	94.90	
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0						
60 D	30.63	1.3647E-04	78.90	56.04	118.0	59.52	UL-RL	3.7394E+04	-11.80	97.10	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
61 D	31.22	1.2933E-04	80.69	56.78	120.0	60.50	UL-RL	3.7394E+04	-12.00	99.31	
1.000	1.000	156.1	0.000	0.000	Ug5_2_8_L_0						
62 D	31.46	1.2392E-04	82.28	55.76	121.8	61.39	UL-RL	2.8119E+04	-12.20	101.5	
1.000	1.000	157.3	0.000	0.000	Ug6_741_743_L_0						
63 D	32.05	1.2003E-04	83.88	56.55	123.6	62.28	UL-RL	2.8119E+04	-12.40	103.7	
1.000	1.000	160.3	0.000	0.000	Ug6_741_743_L_0						
64 D	32.66	1.1748E-04	85.47	57.37	125.4	63.16	UL-RL	2.8119E+04	-12.60	105.9	
1.000	1.000	163.3	0.000	0.000	Ug6_741_743_L_0						
65 D	33.27	1.1609E-04	87.06	58.22	127.2	64.05	UL-RL	2.8119E+04	-12.80	108.1	
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0						
66 D	33.89	1.1570E-04	88.66	59.11	129.0	64.94	UL-RL	2.8119E+04	-13.00	110.3	
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0						
67 D	34.51	1.1617E-04	90.25	60.01	130.8	65.83	UL-RL	2.8119E+04	-13.20	112.6	
1.000	1.000	172.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.14	1.1736E-04	91.84	60.94	132.6	66.72	UL-RL	2.8119E+04	-13.40	114.8	
1.000	1.000	175.7	0.000	0.000	Ug6_741_743_L_0						

69 D	35.77	1.1916E-04	93.43	61.88	134.4	67.60	UL-RL	2.8119E+04	-13.60	117.0
1.000	1.000	178.9	0.000	0.000	Ug6_741_743_L_0					
70 D	36.40	1.2146E-04	95.03	62.84	136.2	68.49	UL-RL	2.8119E+04	-13.80	119.2
1.000	1.000	182.0	0.000	0.000	Ug6_741_743_L_0					
71 D	37.04	1.2416E-04	96.62	63.81	138.0	69.38	UL-RL	2.8119E+04	-14.00	121.4
1.000	1.000	185.2	0.000	0.000	Ug6_741_743_L_0					
72 D	37.67	1.2719E-04	98.21	64.79	139.8	70.27	UL-RL	2.8119E+04	-14.20	123.6
1.000	1.000	188.4	0.000	0.000	Ug6_741_743_L_0					
73 D	38.31	1.3047E-04	99.81	65.77	141.6	71.16	UL-RL	2.8119E+04	-14.40	125.8
1.000	1.000	191.6	0.000	0.000	Ug6_741_743_L_0					
74 D	38.95	1.3395E-04	101.4	66.76	143.4	72.05	UL-RL	2.8119E+04	-14.60	128.0
1.000	1.000	194.8	0.000	0.000	Ug6_741_743_L_0					
75 D	39.59	1.3757E-04	103.0	67.75	145.2	72.94	UL-RL	2.8119E+04	-14.80	130.2
1.000	1.000	198.0	0.000	0.000	Ug6_741_743_L_0					
76 D	40.23	1.4129E-04	104.6	68.74	147.0	73.84	UL-RL	2.8119E+04	-15.00	132.4
1.000	1.000	201.2	0.000	0.000	Ug6_741_743_L_0					
77 D	40.87	1.4507E-04	106.2	69.74	148.8	74.73	UL-RL	2.8119E+04	-15.20	134.6
1.000	1.000	204.4	0.000	0.000	Ug6_741_743_L_0					
78 D	41.51	1.4890E-04	107.8	70.73	150.6	75.62	UL-RL	2.8119E+04	-15.40	136.8
1.000	1.000	207.6	0.000	0.000	Ug6_741_743_L_0					
79 D	42.15	1.5275E-04	109.4	71.73	152.4	76.51	UL-RL	2.8119E+04	-15.60	139.0
1.000	1.000	210.8	0.000	0.000	Ug6_741_743_L_0					
80 D	42.79	1.5661E-04	111.0	72.73	154.2	77.40	UL-RL	2.8119E+04	-15.80	141.2
1.000	1.000	214.0	0.000	0.000	Ug6_741_743_L_0					
81 D	21.72	1.6048E-04	112.6	73.72	156.0	78.29	UL-RL	2.8119E+04	-16.00	143.4
1.000	1.000	217.2	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 3.36677E-10-3.36677E-10 3.40954E-11 1.28445E-10
    2 0.46893    -0.46893    -2.42859E-10 9.37854E-02
    3  1.4088     -1.4088    -9.37854E-02 0.37555
    4  2.8222     -2.8222     -0.37555     0.93999
    5  4.7111     -4.7111     -0.93999      1.8822
    6  7.0764     -7.0764      -1.8822      3.2975
    7  9.9179     -9.9179      -3.2975      5.2811
    8  13.241     -13.241      -5.2811      7.9293
    9  17.048     -17.048      -7.9293      11.339
   10  21.328     -21.328      -11.339      15.604
   11  26.087     -26.087      -15.604      20.822
   12  31.324     -31.324      -20.822      27.086
   13  37.031     -37.031      -27.086      34.493
   14  43.214     -43.214      -34.493      43.136
   15  49.873     -49.873      -43.136      53.110
   16  57.005     -57.005      -53.110      64.511
   17  61.748     -61.748      -64.511      76.861
   18  64.107     -64.107      -76.861      89.682
   19  64.081     -64.081      -89.682      102.50
   20  61.666     -61.666      -102.50      114.83
   21  56.866     -56.866      -114.83      126.20
   22  50.981     -50.981      -126.20      136.40
   23  45.425     -45.425      -136.40      145.49
   24  40.189     -40.189      -145.49      153.52
   25  35.260     -35.260      -153.52      160.58
   26  30.627     -30.627      -160.58      166.70
   27  26.271     -26.271      -166.70      171.96
   28  22.183     -22.183      -171.96      176.39
   29  18.346     -18.346      -176.39      180.06
   30  14.744     -14.744      -180.06      183.01
   31  11.362     -11.362      -183.01      185.28
   32  8.1855     -8.1855      -185.28      186.92
   33  5.1955     -5.1955      -186.92      187.96
   34  2.3784     -2.3784      -187.96      188.43
   35-0.28201     0.28201      -188.43      188.38
   36 -2.8020      2.8020      -188.38      187.82
   37 -5.1998      5.1998      -187.82      186.78
   38 -7.4894      7.4894      -186.78      185.28
   39 -9.6865      9.6865      -185.28      183.34
   40 -11.809      11.809      -183.34      180.98
   41 -13.870      13.870      -180.98      178.21
   42 -15.885      15.885      -178.21      175.03
   43 -17.871      17.871      -175.03      171.46
   44 -19.840      19.840      -171.46      167.49
   45 -21.807      21.807      -167.49      163.13
   46 -23.785      23.785      -163.13      158.37
   47 -25.789      25.789      -158.37      153.21
   48 -27.831      27.831      -153.21      147.64
   49 -29.922      29.922      -147.64      141.66
   50 -32.077      32.077      -141.66      135.24
   51 -34.291      34.291      -135.24      128.39
   52 -35.987      35.987      -128.39      121.19
   53 -37.237      37.237      -121.19      113.74
   54 -38.098      38.098      -113.74      106.12
   55 -38.529      38.529      -106.12      98.417
   56 -38.604      38.604      -98.417      90.696
   57 -38.389      38.389      -90.696      83.018
   58 -37.950      37.950      -83.018      75.428
   59 -37.342      37.342      -75.428      67.960
```

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   60 -36.618      36.618     -67.960      60.636
   61 -35.824      35.824     -60.636      53.471
   62 -33.201      33.201     -53.471      46.831
   63 -30.604      30.604     -46.831      40.710
   64 -28.051      28.051     -40.710      35.100
   65 -25.557      25.557     -35.100      29.989
   66 -23.135      23.135     -29.989      25.362
   67 -20.796      20.796     -25.362      21.202
   68 -18.549      18.549     -21.202      17.493
   69 -16.401      16.401     -17.493      14.212
   70 -14.359      14.359     -14.212      11.341
   71 -12.426      12.426     -11.341      8.8555
   72 -10.607      10.607     -8.8555      6.7341
   73 -8.9044      8.9044     -6.7341      4.9532
   74 -7.3206      7.3206     -4.9532      3.4891
   75 -5.8569      5.8569     -3.4891      2.3177
   76 -4.5145      4.5145     -2.3177      1.4148
   77 -3.2938      3.2938     -1.4148     0.75605
   78 -2.1954      2.1954    -0.75605     0.31698
   79 -1.2193      1.2193    -0.31698     7.31252E-02
   80-0.36561     0.36561    -7.31252E-02 1.07692E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 1039.     REMNOR=0.1376E-18 RATIO =0.6851E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.6851E-01 RATIOR= 0.000
           MAX UN= 14.13     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 284.1     REMNOR=0.2236E-18 RATIO =0.3583E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.3583E-01 RATIOR= 0.000
           MAX UN= 3.995     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3957E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 190.7     REMNOR=0.2830E-17 RATIO =0.2935E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.2935E-01 RATIOR= 0.000
           MAX UN= 6.776     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-1.130     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 3.002     REMNOR=0.1185E-17 RATIO =0.3683E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.3683E-02 RATIOR= 0.000
           MAX UN= 1.468     IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.3519E-01 IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM=0.1012E-01 REMNOR=0.1172E-17 RATIO =0.2139E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.2139E-03 RATIOR= 0.000
           MAX UN=0.1009E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.4091E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.2213E+06 RIMNOR=0.2031E+07
            RENORM=0.1067E-02 REMNOR=0.1549E-17 RATIO =0.6943E-04 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 64.11      RMMAX = 188.4
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.2213E+06 RDR   =0.2031E+07
            RATIOT=0.6943E-04 RATIOR= 0.000
            MAX UN=0.1451E-01 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
            MIN UN=-.8356E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.9473034E-02  -2.2062447E-03
    2   1.9031785E-02  -2.2062447E-03
    3   1.8590537E-02  -2.2062382E-03
    4   1.8149291E-02  -2.2062056E-03
    5   1.7708058E-02  -2.2061144E-03
    6   1.7266853E-02  -2.2059186E-03
    7   1.6825702E-02  -2.2055592E-03
    8   1.6384645E-02  -2.2049639E-03
    9   1.5943737E-02  -2.2040473E-03
   10   1.5503054E-02  -2.2027103E-03
   11   1.5062689E-02  -2.2008407E-03
   12   1.4622761E-02  -2.1983130E-03
   13   1.4183417E-02  -2.1949885E-03
   14   1.3744829E-02  -2.1907152E-03
   15   1.3307205E-02  -2.1853282E-03
   16   1.2870784E-02  -2.1786491E-03
   17   1.2435842E-02  -2.1704865E-03
   18   1.2002700E-02  -2.1606360E-03
   19   1.1571715E-02  -2.1488800E-03
   20   1.1143290E-02  -2.1349877E-03
   21   1.0717880E-02  -2.1187155E-03
   22   1.0295982E-02  -2.0998064E-03
   23   9.8781490E-03  -2.0780299E-03
   24   9.4649723E-03  -2.0532212E-03
   25   9.0570693E-03  -2.0252813E-03
   26   8.6550708E-03  -1.9941767E-03
   27   8.2596094E-03  -1.9599402E-03
   28   7.8712990E-03  -1.9226693E-03
   29   7.4907330E-03  -1.8825282E-03
   30   7.1184638E-03  -1.8397463E-03
   31   6.7549913E-03  -1.7946120E-03
   32   6.4007572E-03  -1.7474309E-03
   33   6.0561380E-03  -1.6984906E-03
   34   5.7214601E-03  -1.6480630E-03
   35   5.3969949E-03  -1.5964041E-03
   36   5.0829645E-03  -1.5437545E-03
   37   4.7795455E-03  -1.4903410E-03
   38   4.4868664E-03  -1.4363756E-03
   39   4.2050187E-03  -1.3820584E-03
   40   3.9340540E-03  -1.3275769E-03
   41   3.6739872E-03  -1.2731072E-03
   42   3.4247993E-03  -1.2188146E-03
   43   3.1864392E-03  -1.1648545E-03
   44   2.9588256E-03  -1.1113730E-03
   45   2.7418499E-03  -1.0585079E-03
   46   2.5353738E-03  -1.0063884E-03
   47   2.3392367E-03  -9.5513732E-04
   48   2.1532532E-03  -9.0487081E-04
   49   1.9772154E-03  -8.5569923E-04
   50   1.8108943E-03  -8.0772805E-04
   51   1.6540383E-03  -7.6105755E-04
   52   1.5063745E-03  -7.1578377E-04
   53   1.3676282E-03  -6.7200473E-04
   54   1.2374743E-03  -6.2980586E-04
   55   1.1155945E-03  -5.8927820E-04
   56   1.0016458E-03  -5.5050896E-04
   57   8.9526794E-04  -5.1358425E-04
   58   7.9608343E-04  -4.7858956E-04
   59   7.0369775E-04  -4.4561027E-04
   60   6.1769926E-04  -4.1473201E-04
   61   5.3765912E-04  -3.8604111E-04
   62   4.6313116E-04  -3.5962496E-04
   63   3.9365571E-04  -3.3551033E-04
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64	3.2877645E-04	-3.1365440E-04
65	2.6804728E-04	-2.9399844E-04
66	2.1103530E-04	-2.7646912E-04
67	1.5732364E-04	-2.6097970E-04
68	1.0651404E-04	-2.4743102E-04
69	5.8229117E-05	-2.3571408E-04
70	1.2114029E-05	-2.2571282E-04
71	-3.2162283E-05	-2.1730566E-04
72	-7.4906095E-05	-2.1036642E-04
73	-1.1639802E-04	-2.0476467E-04
74	-1.5689217E-04	-2.0036599E-04
75	-1.9661541E-04	-1.9703223E-04
76	-2.3576660E-04	-1.9462165E-04
77	-2.7451593E-04	-1.9298906E-04
78	-3.1300419E-04	-1.9198592E-04
79	-3.5134213E-04	-1.9146022E-04
80	-3.8960974E-04	-1.9125638E-04
81	-4.2785744E-04	-1.9121525E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -1.9473E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4571     -1.9032E-02   2.294      0.5712       2.294       1.603          ACTIVE   0.000     -0.2000       1.714
1.000       1.000       2.285       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9162     -1.8591E-02   4.628       1.152       4.628       3.119          ACTIVE   0.000     -0.4000       3.429
1.000       1.000       4.581       0.000       0.000     Ug5_2_8_L_0
   4 D   1.378     -1.8149E-02   7.015       1.747       7.015       4.509          ACTIVE   0.000     -0.6000       5.143
1.000       1.000       6.890       0.000       0.000     Ug5_2_8_L_0
   5 D   1.842     -1.7708E-02   9.440       2.351       9.440       5.780          ACTIVE   0.000     -0.8000       6.857
1.000       1.000       9.208       0.000       0.000     Ug5_2_8_L_0
   6 D   2.306     -1.7267E-02   11.88       2.959       11.88       6.958          ACTIVE   0.000      -1.000       8.571
1.000       1.000       11.53       0.000       0.000     Ug5_2_8_L_0
   7 D   2.771     -1.6826E-02   14.32       3.567       14.32       8.073          ACTIVE   0.000      -1.200       10.29
1.000       1.000       13.85       0.000       0.000     Ug5_2_8_L_0
   8 D   3.240     -1.6385E-02   16.87       4.202       16.87       9.145          ACTIVE   0.000      -1.400       12.00
1.000       1.000       16.20       0.000       0.000     Ug5_2_8_L_0
   9 D   3.712     -1.5944E-02   19.46       4.846       19.46       10.19          ACTIVE   0.000      -1.600       13.71
1.000       1.000       18.56       0.000       0.000     Ug5_2_8_L_0
  10 D   4.173     -1.5503E-02   21.84       5.437       21.84       11.22          ACTIVE   0.000      -1.800       15.43
1.000       1.000       20.87       0.000       0.000     Ug5_2_8_L_0
  11 D   4.641     -1.5063E-02   24.34       6.061       24.34       12.23          ACTIVE   0.000      -2.000       17.14
1.000       1.000       23.20       0.000       0.000     Ug5_2_8_L_0
  12 D   5.107     -1.4623E-02   26.81       6.676       26.81       13.24          ACTIVE   0.000      -2.200       18.86
1.000       1.000       25.53       0.000       0.000     Ug5_2_8_L_0
  13 D   5.565     -1.4183E-02   29.14       7.255       29.14       14.24          ACTIVE   0.000      -2.400       20.57
1.000       1.000       27.83       0.000       0.000     Ug5_2_8_L_0
  14 D   6.029     -1.3745E-02   31.57       7.861       31.57       15.24          ACTIVE   0.000      -2.600       22.29
1.000       1.000       30.15       0.000       0.000     Ug5_2_8_L_0
  15 D   6.492     -1.3307E-02   33.98       8.462       33.98       16.23          ACTIVE   0.000      -2.800       24.00
1.000       1.000       32.46       0.000       0.000     Ug5_2_8_L_0
  16 D   6.955     -1.2871E-02   36.38       9.059       36.38       17.23          ACTIVE   0.000      -3.000       25.71
1.000       1.000       34.77       0.000       0.000     Ug5_2_8_L_0
  17 D   7.412     -1.2436E-02   38.68       9.631       38.68       18.22          ACTIVE   0.000      -3.200       27.43
1.000       1.000       37.06       0.000       0.000     Ug5_2_8_L_0
  18 D   7.873     -1.2003E-02   41.06       10.22       41.06       19.21          ACTIVE   0.000      -3.400       29.14
1.000       1.000       39.37       0.000       0.000     Ug5_2_8_L_0
  19 D   8.334     -1.1572E-02   43.43       10.81       43.43       20.21          ACTIVE   0.000      -3.600       30.86
1.000       1.000       41.67       0.000       0.000     Ug5_2_8_L_0
  20 D   8.791     -1.1143E-02   45.72       11.38       45.72       21.20          ACTIVE   0.000      -3.800       32.57
1.000       1.000       43.95       0.000       0.000     Ug5_2_8_L_0
  21 D   9.251     -1.0718E-02   48.08       11.97       48.08       22.19          ACTIVE   0.000      -4.000       34.29
1.000       1.000       46.26       0.000       0.000     Ug5_2_8_L_0
  22 D   9.711     -1.0296E-02   50.43       12.56       50.43       23.18          ACTIVE   0.000      -4.200       36.00
1.000       1.000       48.56       0.000       0.000     Ug5_2_8_L_0
  23 D   10.17     -9.8781E-03   52.71       13.12       52.71       24.18          ACTIVE   0.000      -4.400       37.71
1.000       1.000       50.84       0.000       0.000     Ug5_2_8_L_0
  24 D   10.63     -9.4650E-03   55.06       13.71       55.06       25.17          ACTIVE   0.000      -4.600       39.43
1.000       1.000       53.14       0.000       0.000     Ug5_2_8_L_0
  25 D   11.09     -9.0571E-03   57.40       14.29       57.40       26.17          ACTIVE   0.000      -4.800       41.14
1.000       1.000       55.43       0.000       0.000     Ug5_2_8_L_0
  26 D   11.55     -8.6551E-03   59.73       14.87       59.73       27.16          ACTIVE   0.000      -5.000       42.86
1.000       1.000       57.73       0.000       0.000     Ug5_2_8_L_0
  27 D   12.00     -8.2596E-03   62.01       15.44       62.01       28.16          ACTIVE   0.000      -5.200       44.57
1.000       1.000       60.01       0.000       0.000     Ug5_2_8_L_0
  28 D   12.46     -7.8713E-03   64.34       16.02       64.34       29.16          ACTIVE   0.000      -5.400       46.29
```

1.000	1.000	62.31	0.000	0.000	Ug5_2_8_L_0					
29 D	12.92	-7.4907E-03	66.67	16.60	66.67	30.15	ACTIVE	0.000	-5.600	48.00
1.000	1.000	64.60	0.000	0.000	Ug5_2_8_L_0					
30 D	13.38	-7.1185E-03	68.95	17.17	68.95	31.15	ACTIVE	0.000	-5.800	49.71
1.000	1.000	66.88	0.000	0.000	Ug5_2_8_L_0					
31 D	13.83	-6.7550E-03	71.27	17.75	71.27	32.15	ACTIVE	0.000	-6.000	51.43
1.000	1.000	69.17	0.000	0.000	Ug5_2_8_L_0					
32 D	14.29	-6.4008E-03	73.59	18.32	73.59	33.15	ACTIVE	0.000	-6.200	53.14
1.000	1.000	71.47	0.000	0.000	Ug5_2_8_L_0					
33 D	14.75	-6.0561E-03	75.87	18.89	75.87	34.15	ACTIVE	0.000	-6.400	54.86
1.000	1.000	73.75	0.000	0.000	Ug5_2_8_L_0					
34 D	15.21	-5.7215E-03	78.19	19.47	78.19	35.15	ACTIVE	0.000	-6.600	56.57
1.000	1.000	76.04	0.000	0.000	Ug5_2_8_L_0					
35 D	15.67	-5.3970E-03	80.51	20.05	80.51	36.15	ACTIVE	0.000	-6.800	58.29
1.000	1.000	78.33	0.000	0.000	Ug5_2_8_L_0					
36 D	16.12	-5.0830E-03	82.82	20.62	82.82	37.16	ACTIVE	0.000	-7.000	60.00
1.000	1.000	80.62	0.000	0.000	Ug5_2_8_L_0					
37 D	16.58	-4.7795E-03	85.10	21.19	85.10	38.16	ACTIVE	0.000	-7.200	61.71
1.000	1.000	82.90	0.000	0.000	Ug5_2_8_L_0					
38 D	17.04	-4.4869E-03	87.41	21.76	87.41	39.16	ACTIVE	0.000	-7.400	63.43
1.000	1.000	85.19	0.000	0.000	Ug5_2_8_L_0					
39 D	17.50	-4.2050E-03	89.72	22.34	89.72	40.17	ACTIVE	0.000	-7.600	65.14
1.000	1.000	87.48	0.000	0.000	Ug5_2_8_L_0					
40 D	17.95	-3.9341E-03	92.00	22.91	92.00	41.17	ACTIVE	0.000	-7.800	66.86
1.000	1.000	89.76	0.000	0.000	Ug5_2_8_L_0					
41 D	18.41	-3.6740E-03	94.31	23.48	94.31	42.18	ACTIVE	0.000	-8.000	68.57
1.000	1.000	92.05	0.000	0.000	Ug5_2_8_L_0					
42 D	18.87	-3.4248E-03	96.62	24.06	96.62	43.19	ACTIVE	0.000	-8.200	70.29
1.000	1.000	94.34	0.000	0.000	Ug5_2_8_L_0					
43 D	19.32	-3.1864E-03	98.89	24.62	98.89	44.19	ACTIVE	0.000	-8.400	72.00
1.000	1.000	96.62	0.000	0.000	Ug5_2_8_L_0					
44 D	19.78	-2.9588E-03	101.2	25.20	101.2	45.20	ACTIVE	0.000	-8.600	73.71
1.000	1.000	98.91	0.000	0.000	Ug5_2_8_L_0					
45 D	20.24	-2.7418E-03	103.5	25.77	103.5	46.21	ACTIVE	0.000	-8.800	75.43
1.000	1.000	101.2	0.000	0.000	Ug5_2_8_L_0					
46 D	20.70	-2.5354E-03	105.8	26.35	105.8	47.22	ACTIVE	0.000	-9.000	77.14
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0					
47 D	21.15	-2.3392E-03	108.1	26.92	108.1	48.23	UL-RL	5.6410E+04	-9.200	78.86
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0					
48 D	21.61	-2.1533E-03	110.4	27.49	110.4	49.24	UL-RL	5.6410E+04	-9.400	80.57
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0					
49 D	22.07	-1.9772E-03	112.7	28.07	112.7	50.26	UL-RL	5.6410E+04	-9.600	82.29
1.000	1.000	110.4	0.000	0.000	Ug5_2_8_L_0					
50 D	22.53	-1.8109E-03	115.0	28.64	115.0	51.27	UL-RL	5.6410E+04	-9.800	84.00
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0					
51 D	22.99	-1.6540E-03	117.3	29.22	117.3	52.28	UL-RL	5.6410E+04	-10.00	85.71
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0					
52 D	23.44	-1.5064E-03	119.6	29.79	119.6	53.29	UL-RL	5.6410E+04	-10.20	87.43
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0					
53 D	23.90	-1.3676E-03	121.9	30.36	121.9	54.31	UL-RL	5.6410E+04	-10.40	89.14
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0					
54 D	24.36	-1.2375E-03	124.2	30.94	124.2	55.32	UL-RL	5.6410E+04	-10.60	90.86
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0					
55 D	24.82	-1.1156E-03	126.5	31.52	126.5	56.34	UL-RL	5.6410E+04	-10.80	92.57
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0					
56 D	25.28	-1.0016E-03	128.8	32.09	128.8	57.35	UL-RL	5.6410E+04	-11.00	94.29
1.000	1.000	126.4	0.000	0.000	Ug5_2_8_L_0					
57 D	25.73	-8.9527E-04	131.0	32.66	131.0	58.37	UL-RL	5.6410E+04	-11.20	96.00
1.000	1.000	128.7	0.000	0.000	Ug5_2_8_L_0					
58 D	26.19	-7.9608E-04	133.3	33.24	133.3	59.39	UL-RL	5.6410E+04	-11.40	97.71
1.000	1.000	131.0	0.000	0.000	Ug5_2_8_L_0					
59 D	26.65	-7.0370E-04	135.6	33.82	135.6	60.40	UL-RL	5.6410E+04	-11.60	99.43
1.000	1.000	133.2	0.000	0.000	Ug5_2_8_L_0					
60 D	27.11	-6.1770E-04	137.9	34.39	137.9	61.42	UL-RL	5.6410E+04	-11.80	101.1
1.000	1.000	135.5	0.000	0.000	Ug5_2_8_L_0					
61 D	27.56	-5.3766E-04	140.2	34.97	140.2	62.44	UL-RL	5.6410E+04	-12.00	102.9
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0					
62 D	31.77	-4.6313E-04	142.3	54.26	142.3	63.42	UL-RL	2.7006E+04	-12.20	104.6
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0					
63 D	32.68	-3.9366E-04	144.4	57.14	144.4	64.53	UL-RL	2.7006E+04	-12.40	106.3
1.000	1.000	163.4	0.000	0.000	Ug6_741_743_L_0					
64 D	33.57	-3.2878E-04	146.5	59.87	146.5	65.58	UL-RL	2.7006E+04	-12.60	108.0
1.000	1.000	167.9	0.000	0.000	Ug6_741_743_L_0					
65 D	34.44	-2.6805E-04	148.6	62.49	148.6	66.59	UL-RL	2.7006E+04	-12.80	109.7
1.000	1.000	172.2	0.000	0.000	Ug6_741_743_L_0					
66 D	35.28	-2.1104E-04	150.6	64.99	150.6	67.57	UL-RL	2.7006E+04	-13.00	111.4
1.000	1.000	176.4	0.000	0.000	Ug6_741_743_L_0					
67 D	36.11	-1.5732E-04	152.7	67.40	152.7	68.52	UL-RL	2.7006E+04	-13.20	113.1
1.000	1.000	180.5	0.000	0.000	Ug6_741_743_L_0					
68 D	36.81	-1.0651E-04	154.7	69.17	154.7	69.72	UL-RL	2.7006E+04	-13.40	114.9
1.000	1.000	184.0	0.000	0.000	Ug6_741_743_L_0					

69	D	37.46	-5.8229E-05	156.8	70.71	156.8	70.98	UL-RL	2.7006E+04	-13.60	116.6
1.000		1.000	187.3	0.000	0.000	Ug6_741_743_L_0					
70	D	38.07	-1.2114E-05	158.8	72.05	158.8	72.29	UL-RL	2.7006E+04	-13.80	118.3
1.000		1.000	190.3	0.000	0.000	Ug6_741_743_L_0					
71	D	38.67	3.2162E-05	160.9	73.35	160.9	73.58	UL-RL	2.7006E+04	-14.00	120.0
1.000		1.000	193.4	0.000	0.000	Ug6_741_743_L_0					
72	D	39.27	7.4906E-05	162.9	74.64	162.9	74.84	UL-RL	2.7006E+04	-14.20	121.7
1.000		1.000	196.4	0.000	0.000	Ug6_741_743_L_0					
73	D	39.87	1.1640E-04	165.0	75.91	165.0	76.09	UL-RL	2.7006E+04	-14.40	123.4
1.000		1.000	199.3	0.000	0.000	Ug6_741_743_L_0					
74	D	40.46	1.5689E-04	167.1	77.17	167.1	77.33	UL-RL	2.7006E+04	-14.60	125.1
1.000		1.000	202.3	0.000	0.000	Ug6_741_743_L_0					
75	D	41.05	1.9662E-04	169.1	78.41	169.1	78.56	UL-RL	2.7006E+04	-14.80	126.9
1.000		1.000	205.3	0.000	0.000	Ug6_741_743_L_0					
76	D	41.65	2.3577E-04	171.2	79.65	171.2	79.78	UL-RL	2.7006E+04	-15.00	128.6
1.000		1.000	208.2	0.000	0.000	Ug6_741_743_L_0					
77	D	42.24	2.7452E-04	173.2	80.89	173.2	80.99	UL-RL	2.7006E+04	-15.20	130.3
1.000		1.000	211.2	0.000	0.000	Ug6_741_743_L_0					
78	D	42.84	3.1300E-04	175.3	82.18	175.3	82.26	UL-RL	2.7006E+04	-15.40	132.0
1.000		1.000	214.2	0.000	0.000	Ug6_741_743_L_0					
79	D	43.44	3.5134E-04	177.4	83.47	177.4	83.53	UL-RL	2.7006E+04	-15.60	133.7
1.000		1.000	217.2	0.000	0.000	Ug6_741_743_L_0					
80	D	44.04	3.8961E-04	179.4	84.76	179.4	84.80	UL-RL	2.7006E+04	-15.80	135.4
1.000		1.000	220.2	0.000	0.000	Ug6_741_743_L_0					
81	D	22.32	4.2786E-04	181.5	86.05	181.5	86.06	UL-RL	2.7006E+04	-16.00	137.1
1.000		1.000	223.2	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      1.0718E-02   0.000       0.000       40.00       60.41       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.767      1.0296E-02   1.714       11.55       42.00       65.98       PASSIVE   0.000       -4.200       2.286
1.000       1.000       13.84       0.000       0.000     Ug5_2_8_L_0
  23 D   5.535      9.8781E-03   3.429       23.10       44.00       64.48       PASSIVE   0.000       -4.400       4.571
1.000       1.000       27.67       0.000       0.000     Ug5_2_8_L_0
  24 D   8.302      9.4650E-03   5.143       34.65       46.00       63.03       PASSIVE   0.000       -4.600       6.857
1.000       1.000       41.51       0.000       0.000     Ug5_2_8_L_0
  25 D   11.07      9.0571E-03   6.857       46.20       48.00       61.64       PASSIVE   0.000       -4.800       9.143
1.000       1.000       55.35       0.000       0.000     Ug5_2_8_L_0
  26 D   13.84      8.6551E-03   8.571       57.75       50.00       60.31       PASSIVE   0.000       -5.000       11.43
1.000       1.000       69.18       0.000       0.000     Ug5_2_8_L_0
  27 D   16.60      8.2596E-03   10.29       69.31       52.00       69.31       PASSIVE   0.000       -5.200       13.71
1.000       1.000       83.02       0.000       0.000     Ug5_2_8_L_0
  28 D   19.37      7.8713E-03   12.00       80.86       54.00       80.86       PASSIVE   0.000       -5.400       16.00
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1.000	1.000	96.86	0.000	0.000	Ug5_2_8_L_0						
29 D	22.14	7.4907E-03	13.71	92.41	56.00	92.41	PASSIVE	0.000	-5.600	18.29	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
30 D	24.41	7.1185E-03	15.43	101.5	58.00	101.5	V-C	9348.	-5.800	20.57	
1.000	1.000	122.0	0.000	0.000	Ug5_2_8_L_0						
31 D	24.25	6.7550E-03	17.14	98.41	60.00	98.41	V-C	9348.	-6.000	22.86	
1.000	1.000	121.3	0.000	0.000	Ug5_2_8_L_0						
32 D	24.12	6.4008E-03	18.86	95.46	62.00	95.46	V-C	9348.	-6.200	25.14	
1.000	1.000	120.6	0.000	0.000	Ug5_2_8_L_0						
33 D	24.01	6.0561E-03	20.57	92.62	64.00	92.62	V-C	9348.	-6.400	27.43	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
34 D	23.92	5.7215E-03	22.29	89.91	66.00	89.91	V-C	9348.	-6.600	29.71	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
35 D	23.86	5.3970E-03	24.00	87.32	68.00	87.32	V-C	9348.	-6.800	32.00	
1.000	1.000	119.3	0.000	0.000	Ug5_2_8_L_0						
36 D	23.83	5.0830E-03	25.71	84.85	70.00	84.85	V-C	9348.	-7.000	34.29	
1.000	1.000	119.1	0.000	0.000	Ug5_2_8_L_0						
37 D	23.82	4.7795E-03	27.43	82.52	72.00	82.52	V-C	9348.	-7.200	36.57	
1.000	1.000	119.1	0.000	0.000	Ug5_2_8_L_0						
38 D	23.83	4.4869E-03	29.14	80.31	74.00	80.31	V-C	9348.	-7.400	38.86	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
39 D	23.88	4.2050E-03	30.86	78.24	76.00	78.24	V-C	9348.	-7.600	41.14	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
40 D	23.94	3.9341E-03	32.57	76.29	78.00	76.29	V-C	9348.	-7.800	43.43	
1.000	1.000	119.7	0.000	0.000	Ug5_2_8_L_0						
41 D	24.04	3.6740E-03	34.29	74.47	80.00	74.47	V-C	9348.	-8.000	45.71	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
42 D	24.16	3.4248E-03	36.00	72.78	82.00	72.78	V-C	9348.	-8.200	48.00	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
43 D	24.30	3.1864E-03	37.71	71.22	84.00	71.22	V-C	9348.	-8.400	50.29	
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
44 D	24.47	2.9588E-03	39.43	69.78	86.00	69.78	V-C	9348.	-8.600	52.57	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
45 D	24.67	2.7418E-03	41.14	68.47	88.00	68.47	V-C	9348.	-8.800	54.86	
1.000	1.000	123.3	0.000	0.000	Ug5_2_8_L_0						
46 D	24.88	2.5354E-03	42.86	67.28	90.00	67.28	V-C	9348.	-9.000	57.14	
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0						
47 D	25.13	2.3392E-03	44.57	66.20	92.00	66.21	UL-RL	2.8045E+04	-9.200	59.43	
1.000	1.000	125.6	0.000	0.000	Ug5_2_8_L_0						
48 D	25.39	2.1533E-03	46.29	65.25	94.00	65.25	UL-RL	2.8045E+04	-9.400	61.71	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
49 D	25.68	1.9772E-03	48.00	64.40	96.00	64.41	UL-RL	2.8045E+04	-9.600	64.00	
1.000	1.000	128.4	0.000	0.000	Ug5_2_8_L_0						
50 D	25.99	1.8109E-03	49.71	63.67	98.00	63.68	UL-RL	2.8045E+04	-9.800	66.29	
1.000	1.000	130.0	0.000	0.000	Ug5_2_8_L_0						
51 D	26.32	1.6540E-03	51.43	63.04	100.00	63.05	UL-RL	2.8045E+04	-10.00	68.57	
1.000	1.000	131.6	0.000	0.000	Ug5_2_8_L_0						
52 D	26.68	1.5064E-03	53.14	62.52	102.0	62.53	UL-RL	2.8045E+04	-10.20	70.86	
1.000	1.000	133.4	0.000	0.000	Ug5_2_8_L_0						
53 D	27.05	1.3676E-03	54.86	62.10	104.0	62.11	UL-RL	2.8045E+04	-10.40	73.14	
1.000	1.000	135.2	0.000	0.000	Ug5_2_8_L_0						
54 D	27.44	1.2375E-03	56.57	61.77	106.0	61.78	UL-RL	2.8045E+04	-10.60	75.43	
1.000	1.000	137.2	0.000	0.000	Ug5_2_8_L_0						
55 D	27.85	1.1156E-03	58.29	61.53	108.0	61.55	UL-RL	2.8045E+04	-10.80	77.71	
1.000	1.000	139.2	0.000	0.000	Ug5_2_8_L_0						
56 D	28.28	1.0016E-03	60.00	61.38	110.0	61.40	UL-RL	2.8045E+04	-11.00	80.00	
1.000	1.000	141.4	0.000	0.000	Ug5_2_8_L_0						
57 D	28.72	8.9527E-04	61.71	61.32	112.0	61.33	UL-RL	2.8045E+04	-11.20	82.29	
1.000	1.000	143.6	0.000	0.000	Ug5_2_8_L_0						
58 D	29.18	7.9608E-04	63.43	61.33	114.0	61.35	UL-RL	2.8045E+04	-11.40	84.57	
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0						
59 D	29.65	7.0370E-04	65.14	61.41	116.0	61.43	UL-RL	2.8045E+04	-11.60	86.86	
1.000	1.000	148.3	0.000	0.000	Ug5_2_8_L_0						
60 D	30.14	6.1770E-04	66.86	61.56	118.0	61.59	UL-RL	2.8045E+04	-11.80	89.14	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
61 D	30.64	5.3766E-04	68.57	61.78	120.0	61.81	UL-RL	2.8045E+04	-12.00	91.43	
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0						
62 D	30.55	4.6313E-04	70.09	59.06	121.8	61.39	UL-RL	2.1089E+04	-12.20	93.71	
1.000	1.000	152.8	0.000	0.000	Ug6_741_743_L_0						
63 D	30.89	3.9366E-04	71.60	58.44	123.6	62.28	UL-RL	2.1089E+04	-12.40	96.00	
1.000	1.000	154.4	0.000	0.000	Ug6_741_743_L_0						
64 D	31.24	3.2878E-04	73.11	57.94	125.4	63.16	UL-RL	2.1089E+04	-12.60	98.29	
1.000	1.000	156.2	0.000	0.000	Ug6_741_743_L_0						
65 D	31.62	2.6805E-04	74.63	57.53	127.2	64.05	UL-RL	2.1089E+04	-12.80	100.6	
1.000	1.000	158.1	0.000	0.000	Ug6_741_743_L_0						
66 D	32.01	2.1104E-04	76.14	57.20	129.0	64.94	UL-RL	2.1089E+04	-13.00	102.9	
1.000	1.000	160.1	0.000	0.000	Ug6_741_743_L_0						
67 D	32.42	1.5732E-04	77.66	56.95	130.8	65.83	UL-RL	2.1089E+04	-13.20	105.1	
1.000	1.000	162.1	0.000	0.000	Ug6_741_743_L_0						
68 D	32.84	1.0651E-04	79.17	56.77	132.6	66.72	UL-RL	2.1089E+04	-13.40	107.4	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						

69 D	33.27	5.8229E-05	80.69	56.64	134.4	67.60	UL-RL	2.1089E+04	-13.60	109.7
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0					
70 D	33.71	1.2114E-05	82.20	56.56	136.2	68.49	UL-RL	2.1089E+04	-13.80	112.0
1.000	1.000	168.6	0.000	0.000	Ug6_741_743_L_0					
71 D	34.16	-3.2162E-05	83.71	56.52	138.0	69.38	UL-RL	2.1089E+04	-14.00	114.3
1.000	1.000	170.8	0.000	0.000	Ug6_741_743_L_0					
72 D	34.62	-7.4906E-05	85.23	56.51	139.8	70.27	UL-RL	2.1089E+04	-14.20	116.6
1.000	1.000	173.1	0.000	0.000	Ug6_741_743_L_0					
73 D	35.08	-1.1640E-04	86.74	56.54	141.6	71.16	UL-RL	2.1089E+04	-14.40	118.9
1.000	1.000	175.4	0.000	0.000	Ug6_741_743_L_0					
74 D	35.54	-1.5689E-04	88.26	56.58	143.4	72.05	UL-RL	2.1089E+04	-14.60	121.1
1.000	1.000	177.7	0.000	0.000	Ug6_741_743_L_0					
75 D	36.01	-1.9662E-04	89.77	56.64	145.2	72.94	UL-RL	2.1089E+04	-14.80	123.4
1.000	1.000	180.1	0.000	0.000	Ug6_741_743_L_0					
76 D	36.49	-2.3577E-04	91.29	56.71	147.0	73.84	UL-RL	2.1089E+04	-15.00	125.7
1.000	1.000	182.4	0.000	0.000	Ug6_741_743_L_0					
77 D	36.96	-2.7452E-04	92.80	56.80	148.8	74.73	UL-RL	2.1089E+04	-15.20	128.0
1.000	1.000	184.8	0.000	0.000	Ug6_741_743_L_0					
78 D	37.43	-3.1300E-04	94.31	56.88	150.6	75.62	UL-RL	2.1089E+04	-15.40	130.3
1.000	1.000	187.2	0.000	0.000	Ug6_741_743_L_0					
79 D	37.91	-3.5134E-04	95.83	56.97	152.4	76.51	UL-RL	2.1089E+04	-15.60	132.6
1.000	1.000	189.5	0.000	0.000	Ug6_741_743_L_0					
80 D	38.38	-3.8961E-04	97.34	57.06	154.2	77.40	UL-RL	2.1089E+04	-15.80	134.9
1.000	1.000	191.9	0.000	0.000	Ug6_741_743_L_0					
81 D	19.43	-4.2786E-04	98.86	57.16	156.0	78.29	UL-RL	2.1089E+04	-16.00	137.1
1.000	1.000	194.3	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-4.81261E-09 4.81261E-09-4.83055E-10 6.83633E-12
    2 0.45709    -0.45709    -1.60067E-10 9.14178E-02
    3  1.3733     -1.3733    -9.14178E-02 0.36608
    4  2.7512     -2.7512    -0.36608     0.91632
    5  4.5928     -4.5928    -0.91632      1.8349
    6  6.8988     -6.8988     -1.8349      3.2146
    7  9.6693     -9.6693     -3.2146      5.1485
    8  12.910     -12.910     -5.1485      7.7304
    9  16.622     -16.622     -7.7304      11.055
   10  20.795     -20.795     -11.055      15.214
   11  25.436     -25.436     -15.214      20.301
   12  30.542     -30.542     -20.301      26.409
   13  36.108     -36.108     -26.409      33.631
   14  42.137     -42.137     -33.631      42.058
   15  48.629     -48.629     -42.058      51.784
   16  55.584     -55.584     -51.784      62.901
   17  62.996     -62.996     -62.901      75.500
   18  70.869     -70.869     -75.500      89.674
   19  79.204     -79.204     -89.674      105.51
   20  87.995     -87.995     -105.51      123.11
   21  97.246     -97.246     -123.11      142.56
   22  104.19     -104.19     -142.56      163.40
   23  108.82     -108.82     -163.40      185.17
   24  111.15     -111.15     -185.17      207.40
   25  111.17     -111.17     -207.40      229.63
   26  108.88     -108.88     -229.63      251.40
   27  104.27     -104.27     -251.40      272.26
   28  97.365     -97.365     -272.26      291.73
   29  88.146     -88.146     -291.73      309.36
   30  77.114     -77.114     -309.36      324.78
   31  66.697     -66.697     -324.78      338.12
   32  56.871     -56.871     -338.12      349.50
   33  47.610     -47.610     -349.50      359.02
   34  38.894     -38.894     -359.02      366.80
   35  30.697     -30.697     -366.80      372.94
   36  22.993     -22.993     -372.94      377.54
   37  15.756     -15.756     -377.54      380.69
   38  8.9605     -8.9605     -380.69      382.48
   39  2.5816     -2.5816     -382.48      383.00
   40 -3.4089      3.4089     -383.00      382.31
   41 -9.0350      9.0350     -382.31      380.51
   42 -14.322      14.322     -380.51      377.64
   43 -19.298      19.298     -377.64      373.78
   44 -23.986      23.986     -373.78      368.99
   45 -28.411      28.411     -368.99      363.30
   46 -32.597      32.597     -363.30      356.78
   47 -36.570      36.570     -356.78      349.47
   48 -40.350      40.350     -349.47      341.40
   49 -43.962      43.962     -341.40      332.61
   50 -47.429      47.429     -332.61      323.12
   51 -50.770      50.770     -323.12      312.97
   52 -54.006      54.006     -312.97      302.17
   53 -57.159      57.159     -302.17      290.74
   54 -60.246      60.246     -290.74      278.69
   55 -63.285      63.285     -278.69      266.03
   56 -66.295      66.295     -266.03      252.77
   57 -69.292      69.292     -252.77      238.91
   58 -72.291      72.291     -238.91      224.45
   59 -75.308      75.308     -224.45      209.39
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   60 -78.356      78.356     -209.39      193.72
   61 -81.448      81.448     -193.72      177.43
   62 -80.236      80.236     -177.43      161.38
   63 -78.440      78.440     -161.38      145.70
   64 -76.110      76.110     -145.70      130.47
   65 -73.289      73.289     -130.47      115.82
   66 -70.015      70.015     -115.82      101.81
   67 -66.324      66.324     -101.81      88.548
   68 -62.357      62.357     -88.548      76.077
   69 -58.171      58.171     -76.077      64.443
   70 -53.816      53.816     -64.443      53.679
   71 -49.307      49.307     -53.679      43.818
   72 -44.653      44.653     -43.818      34.888
   73 -39.864      39.864     -34.888      26.915
   74 -34.947      34.947     -26.915      19.925
   75 -29.907      29.907     -19.925      13.944
   76 -24.748      24.748     -13.944      8.9943
   77 -19.472      19.472     -8.9943      5.1000
   78 -14.069      14.069     -5.1000      2.2862
   79 -8.5417      8.5417     -2.2862     0.57781
   80 -2.8889      2.8889    -0.57781     9.05243E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 440.5     REMNOR=0.1549E-17 RATIO =0.2689E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2689E-01 RATIOR= 0.000
           MAX UN= 7.064     IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.8312E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 126.0     REMNOR=0.1559E-17 RATIO =0.1438E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.1438E-01 RATIOR= 0.000
           MAX UN= 2.378     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.4778E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 461.4     REMNOR=0.1752E-17 RATIO =0.2752E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2752E-01 RATIOR= 0.000
           MAX UN= 21.36     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5779     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 2.925     REMNOR=0.3190E-17 RATIO =0.2191E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2191E-02 RATIOR= 0.000
           MAX UN= 1.185     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.8780     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM=0.7400E-02 REMNOR=0.2724E-17 RATIO =0.1102E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.1102E-03 RATIOR= 0.000
           MAX UN=0.6220E-01 IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.9613E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.6092E+06 RIMNOR=0.8227E+07
            RENORM=0.5120E-04 REMNOR=0.3272E-17 RATIO =0.9167E-05 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 111.2      RMMAX = 383.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.6092E+06 RDR   =0.8227E+07
            RATIOT=0.9167E-05 RATIOR= 0.000
            MAX UN=0.9793E-08 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
            MIN UN=-.2648E-02 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0075695E-02  -3.1648037E-03
    2   2.9442734E-02  -3.1648037E-03
    3   2.8809774E-02  -3.1647973E-03
    4   2.8176817E-02  -3.1647652E-03
    5   2.7543871E-02  -3.1646752E-03
    6   2.6910953E-02  -3.1644820E-03
    7   2.6278089E-02  -3.1641275E-03
    8   2.5645318E-02  -3.1635404E-03
    9   2.5012694E-02  -3.1626362E-03
   10   2.4380291E-02  -3.1613173E-03
   11   2.3748202E-02  -3.1594730E-03
   12   2.3116545E-02  -3.1569795E-03
   13   2.2485463E-02  -3.1537000E-03
   14   2.1855128E-02  -3.1494845E-03
   15   2.1225742E-02  -3.1441702E-03
   16   2.0597545E-02  -3.1375813E-03
   17   1.9970804E-02  -3.1295289E-03
   18   1.9345841E-02  -3.1198113E-03
   19   1.8723005E-02  -3.1082139E-03
   20   1.8102696E-02  -3.0945090E-03
   21   1.7485361E-02  -3.0784563E-03
   22   1.6871490E-02  -3.0598021E-03
   23   1.6261631E-02  -3.0382804E-03
   24   1.5656387E-02  -3.0136120E-03
   25   1.5056415E-02  -2.9855242E-03
   26   1.4462421E-02  -2.9537894E-03
   27   1.3875156E-02  -2.9182450E-03
   28   1.3295386E-02  -2.8787921E-03
   29   1.2723902E-02  -2.8353972E-03
   30   1.2161488E-02  -2.7880909E-03
   31   1.1608920E-02  -2.7369685E-03
   32   1.1066947E-02  -2.6821902E-03
   33   1.0536275E-02  -2.6239799E-03
   34   1.0017565E-02  -2.5626268E-03
   35   9.5114104E-03  -2.4984846E-03
   36   9.0183307E-03  -2.4319463E-03
   37   8.5387681E-03  -2.3634014E-03
   38   8.0730819E-03  -2.2932170E-03
   39   7.6215674E-03  -2.2217402E-03
   40   7.1844501E-03  -2.1492981E-03
   41   6.7618920E-03  -2.0761988E-03
   42   6.3539951E-03  -2.0027322E-03
   43   5.9608054E-03  -1.9291713E-03
   44   5.5823158E-03  -1.8557726E-03
   45   5.2184712E-03  -1.7827778E-03
   46   4.8691645E-03  -1.7104130E-03
   47   4.5342498E-03  -1.6388917E-03
   48   4.2135381E-03  -1.5684146E-03
   49   3.9068017E-03  -1.4991704E-03
   50   3.6137774E-03  -1.4313371E-03
   51   3.3341632E-03  -1.3650817E-03
   52   3.0676225E-03  -1.3005611E-03
   53   2.8138185E-03  -1.2379315E-03
   54   2.5723277E-03  -1.1773267E-03
   55   2.3427437E-03  -1.1188847E-03
   56   2.1246210E-03  -1.0627340E-03
   57   1.9174891E-03  -1.0089973E-03
   58   1.7208534E-03  -9.5779218E-04
   59   1.5341959E-03  -9.0923199E-04
   60   1.3569769E-03  -8.6342611E-04
   61   1.1886348E-03  -8.2048062E-04
   62   1.0285871E-03  -7.8049874E-04
   63   8.7623421E-04  -7.4353333E-04
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64	7.3097249E-04	-7.0958722E-04
65	5.9219799E-04	-6.7866115E-04
66	4.5930764E-04	-6.5074104E-04
67	3.3170408E-04	-6.2578340E-04
68	2.0880169E-04	-6.0371448E-04
69	9.0032444E-05	-5.8443316E-04
70	-2.5149062E-05	-5.6781424E-04
71	-1.3726103E-04	-5.5371205E-04
72	-2.4679087E-04	-5.4196473E-04
73	-3.5419218E-04	-5.3239623E-04
74	-4.5988196E-04	-5.2481672E-04
75	-5.6423792E-04	-5.1902297E-04
76	-6.6759578E-04	-5.1479858E-04
77	-7.7024668E-04	-5.1191417E-04
78	-8.7243463E-04	-5.1012760E-04
79	-9.7435391E-04	-5.0918384E-04
80	-1.0761465E-03	-5.0881488E-04
81	-1.1779045E-03	-5.0873979E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                              |
 |                                  Exe Time :24 May 2018       18:25:47                                                       |
 +-----------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0076E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4508     -2.9443E-02   2.335      0.5815       2.335       1.603          ACTIVE   0.000      -0.2000       1.673
1.000       1.000       2.254       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9037     -2.8810E-02   4.711       1.173       4.711       3.119          ACTIVE   0.000      -0.4000       3.345
1.000       1.000       4.519       0.000       0.000     Ug5_2_8_L_0
   4 D   1.359     -2.8177E-02   7.140       1.778       7.140       4.509          ACTIVE   0.000      -0.6000       5.018
1.000       1.000       6.796       0.000       0.000     Ug5_2_8_L_0
   5 D   1.817     -2.7544E-02   9.606       2.392       9.606       5.780          ACTIVE   0.000      -0.8000       6.691
1.000       1.000       9.083       0.000       0.000     Ug5_2_8_L_0
   6 D   2.275     -2.6911E-02   12.09       3.010       12.09       6.958          ACTIVE   0.000       -1.000       8.364
1.000       1.000       11.37       0.000       0.000     Ug5_2_8_L_0
   7 D   2.733     -2.6278E-02   14.57       3.629       14.57       8.073          ACTIVE   0.000       -1.200       10.04
1.000       1.000       13.67       0.000       0.000     Ug5_2_8_L_0
   8 D   3.197     -2.5645E-02   17.17       4.274       17.17       9.145          ACTIVE   0.000       -1.400       11.71
1.000       1.000       15.98       0.000       0.000     Ug5_2_8_L_0
   9 D   3.662     -2.5013E-02   19.79       4.929       19.79       10.19          ACTIVE   0.000       -1.600       13.38
1.000       1.000       18.31       0.000       0.000     Ug5_2_8_L_0
  10 D   4.117     -2.4380E-02   22.21       5.530       22.21       11.22          ACTIVE   0.000       -1.800       15.05
1.000       1.000       20.58       0.000       0.000     Ug5_2_8_L_0
  11 D   4.578     -2.3748E-02   24.76       6.165       24.76       12.23          ACTIVE   0.000       -2.000       16.73
1.000       1.000       22.89       0.000       0.000     Ug5_2_8_L_0
  12 D   5.038     -2.3117E-02   27.27       6.790       27.27       13.24          ACTIVE   0.000       -2.200       18.40
1.000       1.000       25.19       0.000       0.000     Ug5_2_8_L_0
  13 D   5.490     -2.2485E-02   29.64       7.380       29.64       14.24          ACTIVE   0.000       -2.400       20.07
1.000       1.000       27.45       0.000       0.000     Ug5_2_8_L_0
  14 D   5.948     -2.1855E-02   32.11       7.996       32.11       15.24          ACTIVE   0.000       -2.600       21.75
1.000       1.000       29.74       0.000       0.000     Ug5_2_8_L_0
  15 D   6.405     -2.1226E-02   34.57       8.607       34.57       16.23          ACTIVE   0.000       -2.800       23.42
1.000       1.000       32.03       0.000       0.000     Ug5_2_8_L_0
  16 D   6.861     -2.0598E-02   37.01       9.215       37.01       17.23          ACTIVE   0.000       -3.000       25.09
1.000       1.000       34.31       0.000       0.000     Ug5_2_8_L_0
  17 D   7.312     -1.9971E-02   39.34       9.797       39.34       18.22          ACTIVE   0.000       -3.200       26.76
1.000       1.000       36.56       0.000       0.000     Ug5_2_8_L_0
  18 D   7.767     -1.9346E-02   41.77       10.40       41.77       19.21          ACTIVE   0.000       -3.400       28.44
1.000       1.000       38.84       0.000       0.000     Ug5_2_8_L_0
  19 D   8.222     -1.8723E-02   44.18       11.00       44.18       20.21          ACTIVE   0.000       -3.600       30.11
1.000       1.000       41.11       0.000       0.000     Ug5_2_8_L_0
  20 D   8.672     -1.8103E-02   46.51       11.58       46.51       21.20          ACTIVE   0.000       -3.800       31.78
1.000       1.000       43.36       0.000       0.000     Ug5_2_8_L_0
  21 D   9.127     -1.7485E-02   48.91       12.18       48.91       22.19          ACTIVE   0.000       -4.000       33.45
1.000       1.000       45.63       0.000       0.000     Ug5_2_8_L_0
  22 D   9.580     -1.6871E-02   51.30       12.77       51.30       23.18          ACTIVE   0.000       -4.200       35.13
1.000       1.000       47.90       0.000       0.000     Ug5_2_8_L_0
  23 D   10.03     -1.6262E-02   53.63       13.35       53.63       24.18          ACTIVE   0.000       -4.400       36.80
1.000       1.000       50.15       0.000       0.000     Ug5_2_8_L_0
  24 D   10.48     -1.5656E-02   56.01       13.95       56.01       25.17          ACTIVE   0.000       -4.600       38.47
1.000       1.000       52.42       0.000       0.000     Ug5_2_8_L_0
  25 D   10.94     -1.5056E-02   58.39       14.54       58.39       26.17          ACTIVE   0.000       -4.800       40.15
1.000       1.000       54.69       0.000       0.000     Ug5_2_8_L_0
  26 D   11.39     -1.4462E-02   60.77       15.13       60.77       27.16          ACTIVE   0.000       -5.000       41.82
1.000       1.000       56.95       0.000       0.000     Ug5_2_8_L_0
  27 D   11.84     -1.3875E-02   63.09       15.71       63.09       28.16          ACTIVE   0.000       -5.200       43.49
1.000       1.000       59.20       0.000       0.000     Ug5_2_8_L_0
  28 D   12.29     -1.3295E-02   65.46       16.30       65.46       29.16          ACTIVE   0.000       -5.400       45.16
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1.000	1.000	61.46	0.000	0.000	Ug5_2_8_L_0					
29 D	12.75	-1.2724E-02	67.83	16.89	67.83	30.15	ACTIVE	0.000	-5.600	46.84
1.000	1.000	63.73	0.000	0.000	Ug5_2_8_L_0					
30 D	13.20	-1.2161E-02	70.15	17.47	70.15	31.15	ACTIVE	0.000	-5.800	48.51
1.000	1.000	65.98	0.000	0.000	Ug5_2_8_L_0					
31 D	13.65	-1.1609E-02	72.52	18.06	72.52	32.15	ACTIVE	0.000	-6.000	50.18
1.000	1.000	68.24	0.000	0.000	Ug5_2_8_L_0					
32 D	14.10	-1.1067E-02	74.88	18.65	74.88	33.15	ACTIVE	0.000	-6.200	51.85
1.000	1.000	70.50	0.000	0.000	Ug5_2_8_L_0					
33 D	14.55	-1.0536E-02	77.20	19.22	77.20	34.15	ACTIVE	0.000	-6.400	53.53
1.000	1.000	72.75	0.000	0.000	Ug5_2_8_L_0					
34 D	15.00	-1.0018E-02	79.56	19.81	79.56	35.15	ACTIVE	0.000	-6.600	55.20
1.000	1.000	75.01	0.000	0.000	Ug5_2_8_L_0					
35 D	15.45	-9.5114E-03	81.92	20.40	81.92	36.15	ACTIVE	0.000	-6.800	56.87
1.000	1.000	77.27	0.000	0.000	Ug5_2_8_L_0					
36 D	15.91	-9.0183E-03	84.28	20.98	84.28	37.16	ACTIVE	0.000	-7.000	58.55
1.000	1.000	79.53	0.000	0.000	Ug5_2_8_L_0					
37 D	16.36	-8.5388E-03	86.59	21.56	86.59	38.16	ACTIVE	0.000	-7.200	60.22
1.000	1.000	81.78	0.000	0.000	Ug5_2_8_L_0					
38 D	16.81	-8.0731E-03	88.95	22.15	88.95	39.16	ACTIVE	0.000	-7.400	61.89
1.000	1.000	84.04	0.000	0.000	Ug5_2_8_L_0					
39 D	17.26	-7.6216E-03	91.30	22.73	91.30	40.17	ACTIVE	0.000	-7.600	63.56
1.000	1.000	86.30	0.000	0.000	Ug5_2_8_L_0					
40 D	17.71	-7.1845E-03	93.62	23.31	93.62	41.17	ACTIVE	0.000	-7.800	65.24
1.000	1.000	88.55	0.000	0.000	Ug5_2_8_L_0					
41 D	18.16	-6.7619E-03	95.97	23.90	95.97	42.18	ACTIVE	0.000	-8.000	66.91
1.000	1.000	90.81	0.000	0.000	Ug5_2_8_L_0					
42 D	18.61	-6.3540E-03	98.32	24.48	98.32	43.19	ACTIVE	0.000	-8.200	68.58
1.000	1.000	93.06	0.000	0.000	Ug5_2_8_L_0					
43 D	19.06	-5.9608E-03	100.6	25.06	100.6	44.19	ACTIVE	0.000	-8.400	70.25
1.000	1.000	95.31	0.000	0.000	Ug5_2_8_L_0					
44 D	19.51	-5.5823E-03	103.0	25.64	103.0	45.20	ACTIVE	0.000	-8.600	71.93
1.000	1.000	97.57	0.000	0.000	Ug5_2_8_L_0					
45 D	19.97	-5.2185E-03	105.3	26.23	105.3	46.21	ACTIVE	0.000	-8.800	73.60
1.000	1.000	99.83	0.000	0.000	Ug5_2_8_L_0					
46 D	20.42	-4.8692E-03	107.7	26.81	107.7	47.22	ACTIVE	0.000	-9.000	75.27
1.000	1.000	102.1	0.000	0.000	Ug5_2_8_L_0					
47 D	20.87	-4.5342E-03	110.0	27.39	110.0	48.23	ACTIVE	0.000	-9.200	76.95
1.000	1.000	104.3	0.000	0.000	Ug5_2_8_L_0					
48 D	21.32	-4.2135E-03	112.3	27.97	112.3	49.24	ACTIVE	0.000	-9.400	78.62
1.000	1.000	106.6	0.000	0.000	Ug5_2_8_L_0					
49 D	21.77	-3.9068E-03	114.7	28.56	114.7	50.26	ACTIVE	0.000	-9.600	80.29
1.000	1.000	108.8	0.000	0.000	Ug5_2_8_L_0					
50 D	22.22	-3.6138E-03	117.0	29.13	117.0	51.27	ACTIVE	0.000	-9.800	81.96
1.000	1.000	111.1	0.000	0.000	Ug5_2_8_L_0					
51 D	22.67	-3.3342E-03	119.4	29.72	119.4	52.28	ACTIVE	0.000	-10.00	83.64
1.000	1.000	113.4	0.000	0.000	Ug5_2_8_L_0					
52 D	23.12	-3.0676E-03	121.7	30.30	121.7	53.29	ACTIVE	0.000	-10.20	85.31
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0					
53 D	23.57	-2.8138E-03	124.0	30.88	124.0	54.31	ACTIVE	0.000	-10.40	86.98
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0					
54 D	24.02	-2.5723E-03	126.4	31.46	126.4	55.32	ACTIVE	0.000	-10.60	88.65
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0					
55 D	24.47	-2.3427E-03	128.7	32.05	128.7	56.34	ACTIVE	0.000	-10.80	90.33
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0					
56 D	24.93	-2.1246E-03	131.0	32.63	131.0	57.35	ACTIVE	0.000	-11.00	92.00
1.000	1.000	124.6	0.000	0.000	Ug5_2_8_L_0					
57 D	25.38	-1.9175E-03	133.4	33.21	133.4	58.37	ACTIVE	0.000	-11.20	93.67
1.000	1.000	126.9	0.000	0.000	Ug5_2_8_L_0					
58 D	25.83	-1.7209E-03	135.7	33.79	135.7	59.39	ACTIVE	0.000	-11.40	95.35
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0					
59 D	26.28	-1.5342E-03	138.0	34.37	138.0	60.40	ACTIVE	0.000	-11.60	97.02
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0					
60 D	26.73	-1.3570E-03	140.4	34.95	140.4	61.42	ACTIVE	0.000	-11.80	98.69
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0					
61 D	27.19	-1.1886E-03	142.7	35.57	142.7	62.44	UL-RL	5.0142E+04	-12.00	100.4
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0					
62 D	30.47	-1.0286E-03	144.8	50.32	144.8	63.42	UL-RL	2.4005E+04	-12.20	102.0
1.000	1.000	152.4	0.000	0.000	Ug6_741_743_L_0					
63 D	30.98	-8.7623E-04	147.0	51.20	147.0	64.53	UL-RL	2.4005E+04	-12.40	103.7
1.000	1.000	154.9	0.000	0.000	Ug6_741_743_L_0					
64 D	31.49	-7.3097E-04	149.1	52.08	149.1	65.58	UL-RL	2.4005E+04	-12.60	105.4
1.000	1.000	157.5	0.000	0.000	Ug6_741_743_L_0					
65 D	32.62	-5.9220E-04	151.2	56.04	151.2	66.59	UL-RL	2.4005E+04	-12.80	107.1
1.000	1.000	163.1	0.000	0.000	Ug6_741_743_L_0					
66 D	33.82	-4.5931E-04	153.3	60.39	153.3	67.57	UL-RL	2.4005E+04	-13.00	108.7
1.000	1.000	169.1	0.000	0.000	Ug6_741_743_L_0					
67 D	35.00	-3.3170E-04	155.4	64.59	155.4	68.78	UL-RL	2.4005E+04	-13.20	110.4
1.000	1.000	175.0	0.000	0.000	Ug6_741_743_L_0					
68 D	36.04	-2.0880E-04	157.5	68.11	157.5	70.56	UL-RL	2.4005E+04	-13.40	112.1
1.000	1.000	180.2	0.000	0.000	Ug6_741_743_L_0					

69 D	37.02	-9.0032E-05	159.6	71.36	159.6	72.13	UL-RL	2.4005E+04	-13.60	113.7	
1.000	1.000	185.1	0.000	0.000	Ug6_741_743_L_0						
70 D	37.84	2.5149E-05	161.7	73.76	161.7	73.78	UL-RL	2.4005E+04	-13.80	115.4	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
71 D	38.55	1.3726E-04	163.8	75.64	163.8	75.65	UL-RL	2.4005E+04	-14.00	117.1	
1.000	1.000	192.7	0.000	0.000	Ug6_741_743_L_0						
72 D	39.25	2.4679E-04	165.9	77.48	165.9	77.50	UL-RL	2.4005E+04	-14.20	118.8	
1.000	1.000	196.2	0.000	0.000	Ug6_741_743_L_0						
73 D	39.95	3.5419E-04	168.0	79.30	168.0	79.31	UL-RL	2.4005E+04	-14.40	120.4	
1.000	1.000	199.7	0.000	0.000	Ug6_741_743_L_0						
74 D	40.64	4.5988E-04	170.1	81.10	170.1	81.11	UL-RL	2.4005E+04	-14.60	122.1	
1.000	1.000	203.2	0.000	0.000	Ug6_741_743_L_0						
75 D	41.33	5.6424E-04	172.2	82.88	172.2	82.90	UL-RL	2.4005E+04	-14.80	123.8	
1.000	1.000	206.7	0.000	0.000	Ug6_741_743_L_0						
76 D	42.02	6.6760E-04	174.3	84.66	174.3	84.67	UL-RL	2.4005E+04	-15.00	125.5	
1.000	1.000	210.1	0.000	0.000	Ug6_741_743_L_0						
77 D	42.71	7.7025E-04	176.4	86.43	176.4	86.44	UL-RL	2.4005E+04	-15.20	127.1	
1.000	1.000	213.6	0.000	0.000	Ug6_741_743_L_0						
78 D	43.41	8.7243E-04	178.5	88.25	178.5	88.26	UL-RL	2.4005E+04	-15.40	128.8	
1.000	1.000	217.0	0.000	0.000	Ug6_741_743_L_0						
79 D	44.11	9.7435E-04	180.6	90.07	180.6	90.08	UL-RL	2.4005E+04	-15.60	130.5	
1.000	1.000	220.5	0.000	0.000	Ug6_741_743_L_0						
80 D	44.81	1.0761E-03	182.7	91.88	182.7	91.90	UL-RL	2.4005E+04	-15.80	132.1	
1.000	1.000	224.0	0.000	0.000	Ug6_741_743_L_0						
81 D	22.75	1.1779E-03	184.8	93.70	184.8	93.71	UL-RL	2.4005E+04	-16.00	133.8	
1.000	1.000	227.5	0.000	0.000	Ug6_741_743_L_0						

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.360       1.5656E-02  0.8364      5.635       46.00       63.03       PASSIVE   0.000      -4.600       1.164
1.000       1.000       6.799       0.000       0.000     Ug5_2_8_L_0
  25 D   4.079       1.5056E-02  2.509       16.91       48.00       61.64       PASSIVE   0.000      -4.800       3.491
1.000       1.000       20.40       0.000       0.000     Ug5_2_8_L_0
  26 D   6.799       1.4462E-02  4.182       28.18       50.00       60.31       PASSIVE   0.000      -5.000       5.818
1.000       1.000       34.00       0.000       0.000     Ug5_2_8_L_0
  27 D   9.519       1.3875E-02  5.855       39.45       52.00       69.31       PASSIVE   0.000      -5.200       8.145
1.000       1.000       47.59       0.000       0.000     Ug5_2_8_L_0
  28 D   12.24       1.3295E-02  7.527       50.72       54.00       80.86       PASSIVE   0.000      -5.400       10.47
```

1.000	1.000	61.19	0.000	0.000	Ug5_2_8_L_0					
29 D	14.96	1.2724E-02	9.200	61.99	56.00	92.41	PASSIVE	0.000	-5.600	12.80
1.000	1.000	74.79	0.000	0.000	Ug5_2_8_L_0					
30 D	17.68	1.2161E-02	10.87	73.26	58.00	101.5	PASSIVE	0.000	-5.800	15.13
1.000	1.000	88.39	0.000	0.000	Ug5_2_8_L_0					
31 D	20.40	1.1609E-02	12.55	84.53	60.00	98.41	PASSIVE	0.000	-6.000	17.45
1.000	1.000	102.0	0.000	0.000	Ug5_2_8_L_0					
32 D	23.12	1.1067E-02	14.22	95.80	62.00	95.80	PASSIVE	0.000	-6.200	19.78
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0					
33 D	25.84	1.0536E-02	15.89	107.1	64.00	107.1	PASSIVE	0.000	-6.400	22.11
1.000	1.000	129.2	0.000	0.000	Ug5_2_8_L_0					
34 D	28.56	1.0018E-02	17.56	118.3	66.00	118.3	PASSIVE	0.000	-6.600	24.44
1.000	1.000	142.8	0.000	0.000	Ug5_2_8_L_0					
35 D	29.51	9.5114E-03	19.24	120.8	68.00	120.8	V-C	8310.	-6.800	26.76
1.000	1.000	147.6	0.000	0.000	Ug5_2_8_L_0					
36 D	29.19	9.0183E-03	20.91	116.9	70.00	116.9	V-C	8310.	-7.000	29.09
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0					
37 D	28.90	8.5388E-03	22.58	113.1	72.00	113.1	V-C	8310.	-7.200	31.42
1.000	1.000	144.5	0.000	0.000	Ug5_2_8_L_0					
38 D	28.64	8.0731E-03	24.25	109.4	74.00	109.4	V-C	8310.	-7.400	33.75
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0					
39 D	28.41	7.6216E-03	25.93	106.0	76.00	106.0	V-C	8310.	-7.600	36.07
1.000	1.000	142.0	0.000	0.000	Ug5_2_8_L_0					
40 D	28.21	7.1845E-03	27.60	102.6	78.00	102.6	V-C	8310.	-7.800	38.40
1.000	1.000	141.0	0.000	0.000	Ug5_2_8_L_0					
41 D	28.04	6.7619E-03	29.27	99.47	80.00	99.47	V-C	8310.	-8.000	40.73
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0					
42 D	27.90	6.3540E-03	30.95	96.46	82.00	96.46	V-C	8310.	-8.200	43.05
1.000	1.000	139.5	0.000	0.000	Ug5_2_8_L_0					
43 D	27.80	5.9608E-03	32.62	93.62	84.00	93.62	V-C	8310.	-8.400	45.38
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0					
44 D	27.73	5.5823E-03	34.29	90.93	86.00	90.93	V-C	8310.	-8.600	47.71
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0					
45 D	27.69	5.2185E-03	35.96	88.40	88.00	88.40	V-C	8310.	-8.800	50.04
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0					
46 D	27.68	4.8692E-03	37.64	86.02	90.00	86.02	V-C	8310.	-9.000	52.36
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0					
47 D	27.70	4.5342E-03	39.31	83.79	92.00	83.79	V-C	8310.	-9.200	54.69
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0					
48 D	27.75	4.2135E-03	40.98	81.72	94.00	81.72	V-C	8310.	-9.400	57.02
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0					
49 D	27.83	3.9068E-03	42.65	79.79	96.00	79.79	V-C	8310.	-9.600	59.35
1.000	1.000	139.1	0.000	0.000	Ug5_2_8_L_0					
50 D	27.94	3.6138E-03	44.33	78.01	98.00	78.01	V-C	8310.	-9.800	61.67
1.000	1.000	139.7	0.000	0.000	Ug5_2_8_L_0					
51 D	28.07	3.3342E-03	46.00	76.36	100.00	76.36	V-C	8310.	-10.00	64.00
1.000	1.000	140.4	0.000	0.000	Ug5_2_8_L_0					
52 D	28.24	3.0676E-03	47.67	74.85	102.0	74.85	V-C	8310.	-10.20	66.33
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0					
53 D	28.43	2.8138E-03	49.35	73.47	104.0	73.47	V-C	8310.	-10.40	68.65
1.000	1.000	142.1	0.000	0.000	Ug5_2_8_L_0					
54 D	28.64	2.5723E-03	51.02	72.22	106.0	72.22	V-C	8310.	-10.60	70.98
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0					
55 D	28.88	2.3427E-03	52.69	71.09	108.0	71.09	V-C	8310.	-10.80	73.31
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0					
56 D	29.14	2.1246E-03	54.36	70.07	110.0	70.07	V-C	8310.	-11.00	75.64
1.000	1.000	145.7	0.000	0.000	Ug5_2_8_L_0					
57 D	29.43	1.9175E-03	56.04	69.17	112.0	69.17	V-C	8310.	-11.20	77.96
1.000	1.000	147.1	0.000	0.000	Ug5_2_8_L_0					
58 D	29.73	1.7209E-03	57.71	68.37	114.0	68.37	V-C	8310.	-11.40	80.29
1.000	1.000	148.7	0.000	0.000	Ug5_2_8_L_0					
59 D	30.06	1.5342E-03	59.38	67.67	116.0	67.67	V-C	8310.	-11.60	82.62
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0					
60 D	30.40	1.3570E-03	61.05	67.07	118.0	67.07	V-C	8310.	-11.80	84.95
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0					
61 D	30.76	1.1886E-03	62.73	66.54	120.0	66.55	UL-RL	2.4929E+04	-12.00	87.27
1.000	1.000	153.8	0.000	0.000	Ug5_2_8_L_0					
62 D	30.61	1.0286E-03	64.20	63.45	121.8	63.50	UL-RL	1.8746E+04	-12.20	89.60
1.000	1.000	153.0	0.000	0.000	Ug6_741_743_L_0					
63 D	31.04	8.7623E-04	65.67	63.28	123.6	63.38	UL-RL	1.8746E+04	-12.40	91.93
1.000	1.000	155.2	0.000	0.000	Ug6_741_743_L_0					
64 D	31.49	7.3097E-04	67.15	63.17	125.4	63.32	UL-RL	1.8746E+04	-12.60	94.25
1.000	1.000	157.4	0.000	0.000	Ug6_741_743_L_0					
65 D	31.64	5.9220E-04	68.62	61.60	127.2	64.05	UL-RL	1.8746E+04	-12.80	96.58
1.000	1.000	158.2	0.000	0.000	Ug6_741_743_L_0					
66 D	31.75	4.5931E-04	70.09	59.84	129.0	64.94	UL-RL	1.8746E+04	-13.00	98.91
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0					
67 D	31.89	3.3170E-04	71.56	58.20	130.8	65.83	UL-RL	1.8746E+04	-13.20	101.2
1.000	1.000	159.4	0.000	0.000	Ug6_741_743_L_0					
68 D	32.04	2.0880E-04	73.04	56.66	132.6	66.72	UL-RL	1.8746E+04	-13.40	103.6
1.000	1.000	160.2	0.000	0.000	Ug6_741_743_L_0					

69 D	32.22	9.0032E-05	74.51	55.20	134.4	67.60	UL-RL	1.8746E+04	-13.60	105.9
1.000	1.000	161.1	0.000	0.000	Ug6_741_743_L_0					
70 D	32.41	-2.5149E-05	75.98	53.82	136.2	68.49	UL-RL	1.8746E+04	-13.80	108.2
1.000	1.000	162.0	0.000	0.000	Ug6_741_743_L_0					
71 D	32.61	-1.3726E-04	77.45	52.50	138.0	69.38	UL-RL	1.8746E+04	-14.00	110.5
1.000	1.000	163.0	0.000	0.000	Ug6_741_743_L_0					
72 D	32.82	-2.4679E-04	78.93	51.24	139.8	70.27	UL-RL	1.8746E+04	-14.20	112.9
1.000	1.000	164.1	0.000	0.000	Ug6_741_743_L_0					
73 D	33.04	-3.5419E-04	80.40	50.01	141.6	71.16	UL-RL	1.8746E+04	-14.40	115.2
1.000	1.000	165.2	0.000	0.000	Ug6_741_743_L_0					
74 D	33.27	-4.5988E-04	81.87	48.83	143.4	72.05	UL-RL	1.8746E+04	-14.60	117.5
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0					
75 D	33.50	-5.6424E-04	83.35	47.67	145.2	72.94	UL-RL	1.8746E+04	-14.80	119.9
1.000	1.000	167.5	0.000	0.000	Ug6_741_743_L_0					
76 D	33.74	-6.6760E-04	84.82	46.53	147.0	73.84	UL-RL	1.8746E+04	-15.00	122.2
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0					
77 D	33.98	-7.7025E-04	86.29	45.40	148.8	74.73	UL-RL	1.8746E+04	-15.20	124.5
1.000	1.000	169.9	0.000	0.000	Ug6_741_743_L_0					
78 D	34.22	-8.7243E-04	87.76	44.29	150.6	75.62	UL-RL	1.8746E+04	-15.40	126.8
1.000	1.000	171.1	0.000	0.000	Ug6_741_743_L_0					
79 D	34.47	-9.7435E-04	89.24	43.18	152.4	76.51	UL-RL	1.8746E+04	-15.60	129.2
1.000	1.000	172.3	0.000	0.000	Ug6_741_743_L_0					
80 D	34.71	-1.0761E-03	90.71	42.07	154.2	77.40	UL-RL	1.8746E+04	-15.80	131.5
1.000	1.000	173.6	0.000	0.000	Ug6_741_743_L_0					
81 D	17.48	-1.1779E-03	92.18	40.96	156.0	78.29	UL-RL	1.8746E+04	-16.00	133.8
1.000	1.000	174.8	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-3.99537E-11 3.99537E-11-1.50990E-12 6.74817E-10
    2 0.45085    -0.45085    -5.10296E-10 9.01693E-02
    3  1.3546     -1.3546    -9.01693E-02 0.36108
    4  2.7138     -2.7138    -0.36108     0.90383
    5  4.5303     -4.5303    -0.90383      1.8099
    6  6.8051     -6.8051     -1.8099      3.1709
    7  9.5382     -9.5382     -3.1709      5.0786
    8  12.735     -12.735     -5.0786      7.6255
    9  16.397     -16.397     -7.6255      10.905
   10  20.514     -20.514     -10.905      15.008
   11  25.092     -25.092     -15.008      20.026
   12  30.130     -30.130     -20.026      26.052
   13  35.621     -35.621     -26.052      33.176
   14  41.569     -41.569     -33.176      41.490
   15  47.974     -47.974     -41.490      51.085
   16  54.835     -54.835     -51.085      62.052
   17  62.147     -62.147     -62.052      74.482
   18  69.914     -69.914     -74.482      88.464
   19  78.136     -78.136     -88.464      104.09
   20  86.809     -86.809     -104.09      121.45
   21  95.935     -95.935     -121.45      140.64
   22  105.52     -105.52     -140.64      161.74
   23  115.55     -115.55     -161.74      184.85
   24  124.67     -124.67     -184.85      209.79
   25  131.53     -131.53     -209.79      236.09
   26  136.12     -136.12     -236.09      263.32
   27  138.44     -138.44     -263.32      291.00
   28  138.49     -138.49     -291.00      318.70
   29  136.28     -136.28     -318.70      345.96
   30  131.80     -131.80     -345.96      372.32
   31  125.05     -125.05     -372.32      397.33
   32  116.03     -116.03     -397.33      420.54
   33  104.75     -104.75     -420.54      441.49
   34  91.194     -91.194     -441.49      459.72
   35  77.134     -77.134     -459.72      475.15
   36  63.850     -63.850     -475.15      487.92
   37  51.308     -51.308     -487.92      498.18
   38  39.480     -39.480     -498.18      506.08
   39  28.334     -28.334     -506.08      511.75
   40  17.838     -17.838     -511.75      515.31
   41  7.9601     -7.9601     -515.31      516.91
   42 -1.3304      1.3304     -516.91      516.64
   43 -10.067      10.067     -516.64      514.63
   44 -18.280      18.280     -514.63      510.97
   45 -26.001      26.001     -510.97      505.77
   46 -33.261      33.261     -505.77      499.12
   47 -40.091      40.091     -499.12      491.10
   48 -46.520      46.520     -491.10      481.80
   49 -52.578      52.578     -481.80      471.28
   50 -58.294      58.294     -471.28      459.62
   51 -63.695      63.695     -459.62      446.88
   52 -68.809      68.809     -446.88      433.12
   53 -73.662      73.662     -433.12      418.39
   54 -78.279      78.279     -418.39      402.73
   55 -82.684      82.684     -402.73      386.20
   56 -86.900      86.900     -386.20      368.82
   57 -90.951      90.951     -368.82      350.63
   58 -94.856      94.856     -350.63      331.65
   59 -98.636      98.636     -331.65      311.93
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   60 -102.31      102.31     -311.93      291.46
   61 -105.89      105.89     -291.46      270.29
   62 -106.02      106.02     -270.29      249.08
   63 -106.08      106.08     -249.08      227.87
   64 -106.08      106.08     -227.87      206.65
   65 -105.09      105.09     -206.65      185.63
   66 -103.02      103.02     -185.63      165.03
   67 -99.912      99.912     -165.03      145.05
   68 -95.920      95.920     -145.05      125.86
   69 -91.117      91.117     -125.86      107.64
   70 -85.685      85.685     -107.64      90.501
   71 -79.747      79.747     -90.501      74.551
   72 -73.318      73.318     -74.551      59.888
   73 -66.412      66.412     -59.888      46.606
   74 -59.039      59.039     -46.606      34.798
   75 -51.209      51.209     -34.798      24.556
   76 -42.927      42.927     -24.556      15.971
   77 -34.197      34.197     -15.971      9.1311
   78 -25.011      25.011     -9.1311      4.1290
   79 -15.370      15.370     -4.1290      1.0550
   80 -5.2747      5.2747     -1.0550    -2.45971E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1026E+07 RIMNOR=0.1448E+08
           RENORM= 1.337     REMNOR=0.3272E-17 RATIO =0.1142E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 138.5     RMMAX = 516.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1026E+07 RDR   =0.1448E+08
           RATIOT=0.1142E-02 RATIOR= 0.000
           MAX UN=0.5985E-09 IEQ=     8 NODE      4 DOF   2   X-ROT. F
           MIN UN=-.1554     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1026E+07 RIMNOR=0.1448E+08
           RENORM=0.6379E-15 REMNOR=0.3314E-17 RATIO =0.2494E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 138.5     RMMAX = 516.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1026E+07 RDR   =0.1448E+08
           RATIOT=0.2494E-10 RATIOR= 0.000
           MAX UN=0.8051E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.6871E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:25:47                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0072206E-02  -3.1661878E-03
    2   2.9438969E-02  -3.1661878E-03
    3   2.8805732E-02  -3.1661808E-03
    4   2.8172498E-02  -3.1661466E-03
    5   2.7539277E-02  -3.1660518E-03
    6   2.6906085E-02  -3.1658503E-03
    7   2.6272948E-02  -3.1654830E-03
    8   2.5639907E-02  -3.1648780E-03
    9   2.5007018E-02  -3.1639504E-03
   10   2.4374355E-02  -3.1626025E-03
   11   2.3742013E-02  -3.1607235E-03
   12   2.3110110E-02  -3.1581900E-03
   13   2.2478790E-02  -3.1548655E-03
   14   2.1848226E-02  -3.1506006E-03
   15   2.1218623E-02  -3.1452331E-03
   16   2.0590218E-02  -3.1385878E-03
   17   1.9963282E-02  -3.1304768E-03
   18   1.9338135E-02  -3.1206992E-03
   19   1.8715128E-02  -3.1090413E-03
   20   1.8094659E-02  -3.0952763E-03
   21   1.7477177E-02  -3.0791648E-03
   22   1.6863170E-02  -3.0604543E-03
   23   1.6253186E-02  -3.0388797E-03
   24   1.5647827E-02  -3.0141628E-03
   25   1.5047749E-02  -2.9860313E-03
   26   1.4453657E-02  -2.9542578E-03
   27   1.3866302E-02  -2.9186793E-03
   28   1.3286449E-02  -2.8791970E-03
   29   1.2714886E-02  -2.8357771E-03
   30   1.2152399E-02  -2.7884502E-03
   31   1.1599760E-02  -2.7373116E-03
   32   1.1057720E-02  -2.6825213E-03
   33   1.0526983E-02  -2.6243031E-03
   34   1.0008208E-02  -2.5629462E-03
   35   9.5019898E-03  -2.4988041E-03
   36   9.0088459E-03  -2.4322698E-03
   37   8.5292178E-03  -2.3637328E-03
   38   8.0634643E-03  -2.2935599E-03
   39   7.6118798E-03  -2.2220984E-03
   40   7.1746890E-03  -2.1496751E-03
   41   6.7520533E-03  -2.0765980E-03
   42   6.3440741E-03  -2.0031571E-03
   43   5.9507965E-03  -1.9296249E-03
   44   5.5722131E-03  -1.8562581E-03
   45   5.2082680E-03  -1.7832980E-03
   46   4.8588535E-03  -1.7109706E-03
   47   4.5238233E-03  -1.6394892E-03
   48   4.2029881E-03  -1.5690542E-03
   49   3.8961193E-03  -1.4998539E-03
   50   3.6029538E-03  -1.4320663E-03
   51   3.3231890E-03  -1.3658577E-03
   52   3.0564884E-03  -1.3013848E-03
   53   2.8025149E-03  -1.2388031E-03
   54   2.5608450E-03  -1.1782460E-03
   55   2.3310724E-03  -1.1198509E-03
   56   2.1127519E-03  -1.0637456E-03
   57   1.9054134E-03  -1.0100520E-03
   58   1.7085625E-03  -9.5888703E-04
   59   1.5216825E-03  -9.1036301E-04
   60   1.3442341E-03  -8.6458838E-04
   61   1.1756568E-03  -8.2166818E-04
   62   1.0153697E-03  -7.8170445E-04
   63   8.6277443E-04  -7.4475010E-04
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64	7.1726875E-04	-7.1080910E-04
65	5.7824977E-04	-6.7988333E-04
66	4.4511528E-04	-6.5195971E-04
67	3.1726858E-04	-6.2699572E-04
68	1.9412454E-04	-6.0491843E-04
69	7.5115450E-05	-5.8562746E-04
70	-4.0303895E-05	-5.6899826E-04
71	-1.5265163E-04	-5.5488569E-04
72	-2.6241519E-04	-5.4312840E-04
73	-3.7004830E-04	-5.3355075E-04
74	-4.7596816E-04	-5.2596321E-04
75	-5.8055272E-04	-5.2016274E-04
76	-6.8413797E-04	-5.1593303E-04
77	-7.8701536E-04	-5.1304473E-04
78	-8.8942914E-04	-5.1125558E-04
79	-9.9157385E-04	-5.1031036E-04
80	-1.0935917E-03	-5.0994080E-04
81	-1.1955749E-03	-5.0986558E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:25:47                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0072E-02   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4882     -2.9439E-02   2.327      0.7683       2.335       1.603           UL-RL  5.0142E+04 -0.2000       1.673
1.000       1.000       2.441       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9414     -2.8806E-02   4.655       1.362       4.711       3.119           UL-RL  5.0142E+04 -0.4000       3.345
1.000       1.000       4.707       0.000       0.000     Ug5_2_8_L_0
   4 D   1.395     -2.8172E-02   6.982       1.955       7.140       4.509           UL-RL  5.0142E+04 -0.6000       5.018
1.000       1.000       6.973       0.000       0.000     Ug5_2_8_L_0
   5 D   1.848     -2.7539E-02   9.309       2.548       9.606       5.780           UL-RL  5.0142E+04 -0.8000       6.691
1.000       1.000       9.239       0.000       0.000     Ug5_2_8_L_0
   6 D   2.301     -2.6906E-02   11.64       3.142       12.09       6.958           UL-RL  5.0142E+04  -1.000       8.364
1.000       1.000       11.51       0.000       0.000     Ug5_2_8_L_0
   7 D   2.754     -2.6273E-02   13.96       3.735       14.57       8.073           UL-RL  5.0142E+04  -1.200       10.04
1.000       1.000       13.77       0.000       0.000     Ug5_2_8_L_0
   8 D   3.207     -2.5640E-02   16.29       4.328       17.17       9.145           UL-RL  5.0142E+04  -1.400       11.71
1.000       1.000       16.04       0.000       0.000     Ug5_2_8_L_0
   9 D   3.660     -2.5007E-02   18.62       4.921       19.79       10.19           UL-RL  5.0142E+04  -1.600       13.38
1.000       1.000       18.30       0.000       0.000     Ug5_2_8_L_0
  10 D   4.114     -2.4374E-02   20.95       5.513       22.21       11.22           UL-RL  5.0142E+04  -1.800       15.05
1.000       1.000       20.57       0.000       0.000     Ug5_2_8_L_0
  11 D   4.567     -2.3742E-02   23.27       6.105       24.76       12.23           UL-RL  5.0142E+04  -2.000       16.73
1.000       1.000       22.83       0.000       0.000     Ug5_2_8_L_0
  12 D   5.019     -2.3110E-02   25.60       6.697       27.27       13.24           UL-RL  5.0142E+04  -2.200       18.40
1.000       1.000       25.10       0.000       0.000     Ug5_2_8_L_0
  13 D   5.472     -2.2479E-02   27.93       7.289       29.64       14.24           UL-RL  5.0142E+04  -2.400       20.07
1.000       1.000       27.36       0.000       0.000     Ug5_2_8_L_0
  14 D   5.925     -2.1848E-02   30.25       7.879       32.11       15.24           UL-RL  5.0142E+04  -2.600       21.75
1.000       1.000       29.62       0.000       0.000     Ug5_2_8_L_0
  15 D   6.378     -2.1219E-02   32.58       8.470       34.57       16.23           UL-RL  5.0142E+04  -2.800       23.42
1.000       1.000       31.89       0.000       0.000     Ug5_2_8_L_0
  16 D   6.830     -2.0590E-02   34.91       9.060       37.01       17.23           UL-RL  5.0142E+04  -3.000       25.09
1.000       1.000       34.15       0.000       0.000     Ug5_2_8_L_0
  17 D   7.283     -1.9963E-02   37.24       9.649       39.34       18.22           UL-RL  5.0142E+04  -3.200       26.76
1.000       1.000       36.41       0.000       0.000     Ug5_2_8_L_0
  18 D   7.735     -1.9338E-02   39.56       10.24       41.77       19.21           UL-RL  5.0142E+04  -3.400       28.44
1.000       1.000       38.67       0.000       0.000     Ug5_2_8_L_0
  19 D   8.187     -1.8715E-02   41.89       10.83       44.18       20.21           UL-RL  5.0142E+04  -3.600       30.11
1.000       1.000       40.93       0.000       0.000     Ug5_2_8_L_0
  20 D   8.639     -1.8095E-02   44.22       11.41       46.51       21.20           UL-RL  5.0142E+04  -3.800       31.78
1.000       1.000       43.20       0.000       0.000     Ug5_2_8_L_0
  21 D   9.091     -1.7477E-02   46.55       12.00       48.91       22.19           UL-RL  5.0142E+04  -4.000       33.45
1.000       1.000       45.45       0.000       0.000     Ug5_2_8_L_0
  22 D   9.543     -1.6863E-02   48.87       12.59       51.30       23.18           UL-RL  5.0142E+04  -4.200       35.13
1.000       1.000       47.71       0.000       0.000     Ug5_2_8_L_0
  23 D   9.994     -1.6253E-02   51.20       13.17       53.63       24.18           UL-RL  5.0142E+04  -4.400       36.80
1.000       1.000       49.97       0.000       0.000     Ug5_2_8_L_0
  24 D   10.45     -1.5648E-02   53.53       13.76       56.01       25.17           UL-RL  5.0142E+04  -4.600       38.47
1.000       1.000       52.23       0.000       0.000     Ug5_2_8_L_0
  25 D   10.90     -1.5048E-02   55.85       14.34       58.39       26.17           UL-RL  5.0142E+04  -4.800       40.15
1.000       1.000       54.49       0.000       0.000     Ug5_2_8_L_0
  26 D   11.35     -1.4454E-02   58.18       14.93       60.77       27.16           UL-RL  5.0142E+04  -5.000       41.82
1.000       1.000       56.74       0.000       0.000     Ug5_2_8_L_0
  27 D   11.80     -1.3866E-02   60.51       15.51       63.09       28.16           UL-RL  5.0142E+04  -5.200       43.49
1.000       1.000       59.00       0.000       0.000     Ug5_2_8_L_0
  28 D   12.25     -1.3286E-02   62.84       16.09       65.46       29.16           UL-RL  5.0142E+04  -5.400       45.16
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1.000	1.000	61.26	0.000	0.000	Ug5_2_8_L_0					
29 D	12.70	-1.2715E-02	65.16	16.68	67.83	30.15	UL-RL	5.0142E+04	-5.600	46.84
1.000	1.000	63.51	0.000	0.000	Ug5_2_8_L_0					
30 D	13.15	-1.2152E-02	67.49	17.26	70.15	31.15	UL-RL	5.0142E+04	-5.800	48.51
1.000	1.000	65.77	0.000	0.000	Ug5_2_8_L_0					
31 D	13.61	-1.1600E-02	69.82	17.84	72.52	32.15	UL-RL	5.0142E+04	-6.000	50.18
1.000	1.000	68.03	0.000	0.000	Ug5_2_8_L_0					
32 D	14.06	-1.1058E-02	72.15	18.43	74.88	33.15	UL-RL	5.0142E+04	-6.200	51.85
1.000	1.000	70.28	0.000	0.000	Ug5_2_8_L_0					
33 D	14.51	-1.0527E-02	74.47	19.01	77.20	34.15	UL-RL	5.0142E+04	-6.400	53.53
1.000	1.000	72.54	0.000	0.000	Ug5_2_8_L_0					
34 D	14.96	-1.0008E-02	76.80	19.59	79.56	35.15	UL-RL	5.0142E+04	-6.600	55.20
1.000	1.000	74.79	0.000	0.000	Ug5_2_8_L_0					
35 D	15.41	-9.5020E-03	79.13	20.18	81.92	36.15	UL-RL	5.0142E+04	-6.800	56.87
1.000	1.000	77.05	0.000	0.000	Ug5_2_8_L_0					
36 D	15.86	-9.0088E-03	81.45	20.76	84.28	37.16	UL-RL	5.0142E+04	-7.000	58.55
1.000	1.000	79.30	0.000	0.000	Ug5_2_8_L_0					
37 D	16.31	-8.5292E-03	83.78	21.34	86.59	38.16	UL-RL	5.0142E+04	-7.200	60.22
1.000	1.000	81.56	0.000	0.000	Ug5_2_8_L_0					
38 D	16.76	-8.0635E-03	86.11	21.92	88.95	39.16	UL-RL	5.0142E+04	-7.400	61.89
1.000	1.000	83.81	0.000	0.000	Ug5_2_8_L_0					
39 D	17.21	-7.6119E-03	88.44	22.51	91.30	40.17	UL-RL	5.0142E+04	-7.600	63.56
1.000	1.000	86.07	0.000	0.000	Ug5_2_8_L_0					
40 D	17.67	-7.1747E-03	90.76	23.09	93.62	41.17	UL-RL	5.0142E+04	-7.800	65.24
1.000	1.000	88.33	0.000	0.000	Ug5_2_8_L_0					
41 D	18.12	-6.7521E-03	93.09	23.67	95.97	42.18	UL-RL	5.0142E+04	-8.000	66.91
1.000	1.000	90.58	0.000	0.000	Ug5_2_8_L_0					
42 D	18.57	-6.3441E-03	95.42	24.26	98.32	43.19	UL-RL	5.0142E+04	-8.200	68.58
1.000	1.000	92.84	0.000	0.000	Ug5_2_8_L_0					
43 D	19.02	-5.9508E-03	97.75	24.84	100.6	44.19	UL-RL	5.0142E+04	-8.400	70.25
1.000	1.000	95.09	0.000	0.000	Ug5_2_8_L_0					
44 D	19.47	-5.5722E-03	100.1	25.42	103.0	45.20	UL-RL	5.0142E+04	-8.600	71.93
1.000	1.000	97.35	0.000	0.000	Ug5_2_8_L_0					
45 D	19.92	-5.2083E-03	102.4	26.01	105.3	46.21	UL-RL	5.0142E+04	-8.800	73.60
1.000	1.000	99.61	0.000	0.000	Ug5_2_8_L_0					
46 D	20.37	-4.8589E-03	104.7	26.59	107.7	47.22	UL-RL	5.0142E+04	-9.000	75.27
1.000	1.000	101.9	0.000	0.000	Ug5_2_8_L_0					
47 D	20.82	-4.5238E-03	107.1	27.18	110.0	48.23	UL-RL	5.0142E+04	-9.200	76.95
1.000	1.000	104.1	0.000	0.000	Ug5_2_8_L_0					
48 D	21.28	-4.2030E-03	109.4	27.77	112.3	49.24	UL-RL	5.0142E+04	-9.400	78.62
1.000	1.000	106.4	0.000	0.000	Ug5_2_8_L_0					
49 D	21.73	-3.8961E-03	111.7	28.35	114.7	50.26	UL-RL	5.0142E+04	-9.600	80.29
1.000	1.000	108.6	0.000	0.000	Ug5_2_8_L_0					
50 D	22.18	-3.6030E-03	114.0	28.94	117.0	51.27	UL-RL	5.0142E+04	-9.800	81.96
1.000	1.000	110.9	0.000	0.000	Ug5_2_8_L_0					
51 D	22.63	-3.3232E-03	116.4	29.52	119.4	52.28	UL-RL	5.0142E+04	-10.00	83.64
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0					
52 D	23.08	-3.0565E-03	118.7	30.11	121.7	53.29	UL-RL	5.0142E+04	-10.20	85.31
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0					
53 D	23.54	-2.8025E-03	121.0	30.70	124.0	54.31	UL-RL	5.0142E+04	-10.40	86.98
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0					
54 D	23.99	-2.5608E-03	123.3	31.29	126.4	55.32	UL-RL	5.0142E+04	-10.60	88.65
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0					
55 D	24.44	-2.3311E-03	125.7	31.88	128.7	56.34	UL-RL	5.0142E+04	-10.80	90.33
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0					
56 D	24.89	-2.1128E-03	128.0	32.47	131.0	57.35	UL-RL	5.0142E+04	-11.00	92.00
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0					
57 D	25.35	-1.9054E-03	130.3	33.06	133.4	58.37	UL-RL	5.0142E+04	-11.20	93.67
1.000	1.000	126.7	0.000	0.000	Ug5_2_8_L_0					
58 D	25.80	-1.7086E-03	132.7	33.65	135.7	59.39	UL-RL	5.0142E+04	-11.40	95.35
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0					
59 D	26.25	-1.5217E-03	135.0	34.24	138.0	60.40	UL-RL	5.0142E+04	-11.60	97.02
1.000	1.000	131.3	0.000	0.000	Ug5_2_8_L_0					
60 D	26.70	-1.3442E-03	137.3	34.83	140.4	61.42	UL-RL	5.0142E+04	-11.80	98.69
1.000	1.000	133.5	0.000	0.000	Ug5_2_8_L_0					
61 D	27.16	-1.1757E-03	139.6	35.45	142.7	62.44	UL-RL	5.0142E+04	-12.00	100.4
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0					
62 D	30.38	-1.0154E-03	141.8	49.86	144.8	63.42	UL-RL	2.4005E+04	-12.20	102.0
1.000	1.000	151.9	0.000	0.000	Ug6_741_743_L_0					
63 D	30.89	-8.6277E-04	143.9	50.75	147.0	64.53	UL-RL	2.4005E+04	-12.40	103.7
1.000	1.000	154.5	0.000	0.000	Ug6_741_743_L_0					
64 D	31.40	-7.1727E-04	146.0	51.64	149.1	65.58	UL-RL	2.4005E+04	-12.60	105.4
1.000	1.000	157.0	0.000	0.000	Ug6_741_743_L_0					
65 D	32.53	-5.7825E-04	148.1	55.60	151.2	66.59	UL-RL	2.4005E+04	-12.80	107.1
1.000	1.000	162.7	0.000	0.000	Ug6_741_743_L_0					
66 D	33.74	-4.4512E-04	150.3	59.96	153.3	67.57	UL-RL	2.4005E+04	-13.00	108.7
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0					
67 D	34.92	-3.1727E-04	152.4	64.18	155.4	68.78	UL-RL	2.4005E+04	-13.20	110.4
1.000	1.000	174.6	0.000	0.000	Ug6_741_743_L_0					
68 D	35.96	-1.9412E-04	154.5	67.71	157.5	70.56	UL-RL	2.4005E+04	-13.40	112.1
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0					

69 D	36.95	-7.5115E-05	156.7	70.98	159.6	72.13	UL-RL	2.4005E+04	-13.60	113.7	
1.000	1.000	184.7	0.000	0.000	Ug6_741_743_L_0						
70 D	37.76	4.0304E-05	158.8	73.40	161.7	73.78	UL-RL	2.4005E+04	-13.80	115.4	
1.000	1.000	188.8	0.000	0.000	Ug6_741_743_L_0						
71 D	38.47	1.5265E-04	160.9	75.28	163.8	75.65	UL-RL	2.4005E+04	-14.00	117.1	
1.000	1.000	192.4	0.000	0.000	Ug6_741_743_L_0						
72 D	39.18	2.6242E-04	163.0	77.14	165.9	77.50	UL-RL	2.4005E+04	-14.20	118.8	
1.000	1.000	195.9	0.000	0.000	Ug6_741_743_L_0						
73 D	39.88	3.7005E-04	165.2	78.97	168.0	79.31	UL-RL	2.4005E+04	-14.40	120.4	
1.000	1.000	199.4	0.000	0.000	Ug6_741_743_L_0						
74 D	40.58	4.7597E-04	167.3	80.78	170.1	81.11	UL-RL	2.4005E+04	-14.60	122.1	
1.000	1.000	202.9	0.000	0.000	Ug6_741_743_L_0						
75 D	41.27	5.8055E-04	169.4	82.58	172.2	82.90	UL-RL	2.4005E+04	-14.80	123.8	
1.000	1.000	206.4	0.000	0.000	Ug6_741_743_L_0						
76 D	41.96	6.8414E-04	171.5	84.37	174.3	84.67	UL-RL	2.4005E+04	-15.00	125.5	
1.000	1.000	209.8	0.000	0.000	Ug6_741_743_L_0						
77 D	42.65	7.8702E-04	173.7	86.15	176.4	86.44	UL-RL	2.4005E+04	-15.20	127.1	
1.000	1.000	213.3	0.000	0.000	Ug6_741_743_L_0						
78 D	43.36	8.8943E-04	175.8	87.98	178.5	88.26	UL-RL	2.4005E+04	-15.40	128.8	
1.000	1.000	216.8	0.000	0.000	Ug6_741_743_L_0						
79 D	44.06	9.9157E-04	177.9	89.81	180.6	90.08	UL-RL	2.4005E+04	-15.60	130.5	
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0						
80 D	44.76	1.0936E-03	180.1	91.64	182.7	91.90	UL-RL	2.4005E+04	-15.80	132.1	
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0						
81 D	22.73	1.1956E-03	182.2	93.47	184.8	93.71	UL-RL	2.4005E+04	-16.00	133.8	
1.000	1.000	227.3	0.000	0.000	Ug6_741_743_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:25:47                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.317      1.5648E-02  0.8364       5.422       46.00       63.03         UL-RL  2.4929E+04  -4.600       1.164
1.000       1.000       6.586       0.000       0.000     Ug5_2_8_L_0
  25 D   4.036      1.5048E-02   2.509       16.69       48.00       61.64         UL-RL  2.4929E+04  -4.800       3.491
1.000       1.000       20.18       0.000       0.000     Ug5_2_8_L_0
  26 D   6.755      1.4454E-02   4.182       27.96       50.00       60.31         UL-RL  2.4929E+04  -5.000       5.818
1.000       1.000       33.78       0.000       0.000     Ug5_2_8_L_0
  27 D   9.475      1.3866E-02   5.855       39.23       52.00       69.31         UL-RL  2.4929E+04  -5.200       8.145
1.000       1.000       47.37       0.000       0.000     Ug5_2_8_L_0
  28 D   12.19      1.3286E-02   7.527       50.50       54.00       80.86         UL-RL  2.4929E+04  -5.400       10.47
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1.000	1.000	60.97	0.000	0.000	Ug5_2_8_L_0					
29 D	14.91	1.2715E-02	9.200	61.76	56.00	92.41	UL-RL	2.4929E+04	-5.600	12.80
1.000	1.000	74.56	0.000	0.000	Ug5_2_8_L_0					
30 D	17.63	1.2152E-02	10.87	73.03	58.00	101.5	UL-RL	2.4929E+04	-5.800	15.13
1.000	1.000	88.16	0.000	0.000	Ug5_2_8_L_0					
31 D	20.35	1.1600E-02	12.55	84.30	60.00	98.41	UL-RL	2.4929E+04	-6.000	17.45
1.000	1.000	101.8	0.000	0.000	Ug5_2_8_L_0					
32 D	23.07	1.1058E-02	14.22	95.57	62.00	95.80	UL-RL	2.4929E+04	-6.200	19.78
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0					
33 D	25.79	1.0527E-02	15.89	106.8	64.00	107.1	UL-RL	2.4929E+04	-6.400	22.11
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0					
34 D	28.51	1.0008E-02	17.56	118.1	66.00	118.3	UL-RL	2.4929E+04	-6.600	24.44
1.000	1.000	142.5	0.000	0.000	Ug5_2_8_L_0					
35 D	29.47	9.5020E-03	19.24	120.6	68.00	120.8	UL-RL	2.4929E+04	-6.800	26.76
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0					
36 D	29.14	9.0088E-03	20.91	116.6	70.00	116.9	UL-RL	2.4929E+04	-7.000	29.09
1.000	1.000	145.7	0.000	0.000	Ug5_2_8_L_0					
37 D	28.85	8.5292E-03	22.58	112.8	72.00	113.1	UL-RL	2.4929E+04	-7.200	31.42
1.000	1.000	144.3	0.000	0.000	Ug5_2_8_L_0					
38 D	28.59	8.0635E-03	24.25	109.2	74.00	109.4	UL-RL	2.4929E+04	-7.400	33.75
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0					
39 D	28.36	7.6119E-03	25.93	105.7	76.00	106.0	UL-RL	2.4929E+04	-7.600	36.07
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0					
40 D	28.16	7.1747E-03	27.60	102.4	78.00	102.6	UL-RL	2.4929E+04	-7.800	38.40
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0					
41 D	27.99	6.7521E-03	29.27	99.22	80.00	99.47	UL-RL	2.4929E+04	-8.000	40.73
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0					
42 D	27.85	6.3441E-03	30.95	96.21	82.00	96.46	UL-RL	2.4929E+04	-8.200	43.05
1.000	1.000	139.3	0.000	0.000	Ug5_2_8_L_0					
43 D	27.75	5.9508E-03	32.62	93.37	84.00	93.62	UL-RL	2.4929E+04	-8.400	45.38
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0					
44 D	27.68	5.5722E-03	34.29	90.68	86.00	90.93	UL-RL	2.4929E+04	-8.600	47.71
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0					
45 D	27.64	5.2083E-03	35.96	88.14	88.00	88.40	UL-RL	2.4929E+04	-8.800	50.04
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0					
46 D	27.63	4.8589E-03	37.64	85.76	90.00	86.02	UL-RL	2.4929E+04	-9.000	52.36
1.000	1.000	138.1	0.000	0.000	Ug5_2_8_L_0					
47 D	27.65	4.5238E-03	39.31	83.53	92.00	83.79	UL-RL	2.4929E+04	-9.200	54.69
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0					
48 D	27.70	4.2030E-03	40.98	81.46	94.00	81.72	UL-RL	2.4929E+04	-9.400	57.02
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0					
49 D	27.77	3.8961E-03	42.65	79.53	96.00	79.79	UL-RL	2.4929E+04	-9.600	59.35
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0					
50 D	27.88	3.6030E-03	44.33	77.74	98.00	78.01	UL-RL	2.4929E+04	-9.800	61.67
1.000	1.000	139.4	0.000	0.000	Ug5_2_8_L_0					
51 D	28.02	3.3232E-03	46.00	76.09	100.00	76.36	UL-RL	2.4929E+04	-10.00	64.00
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0					
52 D	28.18	3.0565E-03	47.67	74.57	102.0	74.85	UL-RL	2.4929E+04	-10.20	66.33
1.000	1.000	140.9	0.000	0.000	Ug5_2_8_L_0					
53 D	28.37	2.8025E-03	49.35	73.19	104.0	73.47	UL-RL	2.4929E+04	-10.40	68.65
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0					
54 D	28.58	2.5608E-03	51.02	71.93	106.0	72.22	UL-RL	2.4929E+04	-10.60	70.98
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0					
55 D	28.82	2.3311E-03	52.69	70.80	108.0	71.09	UL-RL	2.4929E+04	-10.80	73.31
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0					
56 D	29.08	2.1128E-03	54.36	69.78	110.0	70.07	UL-RL	2.4929E+04	-11.00	75.64
1.000	1.000	145.4	0.000	0.000	Ug5_2_8_L_0					
57 D	29.37	1.9054E-03	56.04	68.87	112.0	69.17	UL-RL	2.4929E+04	-11.20	77.96
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0					
58 D	29.67	1.7086E-03	57.71	68.06	114.0	68.37	UL-RL	2.4929E+04	-11.40	80.29
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0					
59 D	30.00	1.5217E-03	59.38	67.36	116.0	67.67	UL-RL	2.4929E+04	-11.60	82.62
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0					
60 D	30.34	1.3442E-03	61.05	66.75	118.0	67.07	UL-RL	2.4929E+04	-11.80	84.95
1.000	1.000	151.7	0.000	0.000	Ug5_2_8_L_0					
61 D	30.70	1.1757E-03	62.73	66.21	120.0	66.55	UL-RL	2.4929E+04	-12.00	87.27
1.000	1.000	153.5	0.000	0.000	Ug5_2_8_L_0					
62 D	30.56	1.0154E-03	64.20	63.20	121.8	63.50	UL-RL	1.8746E+04	-12.20	89.60
1.000	1.000	152.8	0.000	0.000	Ug6_741_743_L_0					
63 D	30.99	8.6277E-04	65.67	63.03	123.6	63.38	UL-RL	1.8746E+04	-12.40	91.93
1.000	1.000	155.0	0.000	0.000	Ug6_741_743_L_0					
64 D	31.43	7.1727E-04	67.15	62.92	125.4	63.32	UL-RL	1.8746E+04	-12.60	94.25
1.000	1.000	157.2	0.000	0.000	Ug6_741_743_L_0					
65 D	31.58	5.7825E-04	68.62	61.34	127.2	64.05	UL-RL	1.8746E+04	-12.80	96.58
1.000	1.000	157.9	0.000	0.000	Ug6_741_743_L_0					
66 D	31.70	4.4512E-04	70.09	59.58	129.0	64.94	UL-RL	1.8746E+04	-13.00	98.91
1.000	1.000	158.5	0.000	0.000	Ug6_741_743_L_0					
67 D	31.83	3.1727E-04	71.56	57.93	130.8	65.83	UL-RL	1.8746E+04	-13.20	101.2
1.000	1.000	159.2	0.000	0.000	Ug6_741_743_L_0					
68 D	31.99	1.9412E-04	73.04	56.38	132.6	66.72	UL-RL	1.8746E+04	-13.40	103.6
1.000	1.000	159.9	0.000	0.000	Ug6_741_743_L_0					

69 D	32.16	7.5115E-05	74.51	54.92	134.4	67.60	UL-RL	1.8746E+04	-13.60	105.9
1.000	1.000	160.8	0.000	0.000	Ug6_741_743_L_0					
70 D	32.35	-4.0304E-05	75.98	53.53	136.2	68.49	UL-RL	1.8746E+04	-13.80	108.2
1.000	1.000	161.8	0.000	0.000	Ug6_741_743_L_0					
71 D	32.55	-1.5265E-04	77.45	52.21	138.0	69.38	UL-RL	1.8746E+04	-14.00	110.5
1.000	1.000	162.8	0.000	0.000	Ug6_741_743_L_0					
72 D	32.76	-2.6242E-04	78.93	50.94	139.8	70.27	UL-RL	1.8746E+04	-14.20	112.9
1.000	1.000	163.8	0.000	0.000	Ug6_741_743_L_0					
73 D	32.98	-3.7005E-04	80.40	49.72	141.6	71.16	UL-RL	1.8746E+04	-14.40	115.2
1.000	1.000	164.9	0.000	0.000	Ug6_741_743_L_0					
74 D	33.21	-4.7597E-04	81.87	48.53	143.4	72.05	UL-RL	1.8746E+04	-14.60	117.5
1.000	1.000	166.1	0.000	0.000	Ug6_741_743_L_0					
75 D	33.44	-5.8055E-04	83.35	47.36	145.2	72.94	UL-RL	1.8746E+04	-14.80	119.9
1.000	1.000	167.2	0.000	0.000	Ug6_741_743_L_0					
76 D	33.68	-6.8414E-04	84.82	46.22	147.0	73.84	UL-RL	1.8746E+04	-15.00	122.2
1.000	1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
77 D	33.92	-7.8702E-04	86.29	45.09	148.8	74.73	UL-RL	1.8746E+04	-15.20	124.5
1.000	1.000	169.6	0.000	0.000	Ug6_741_743_L_0					
78 D	34.16	-8.8943E-04	87.76	43.97	150.6	75.62	UL-RL	1.8746E+04	-15.40	126.8
1.000	1.000	170.8	0.000	0.000	Ug6_741_743_L_0					
79 D	34.40	-9.9157E-04	89.24	42.86	152.4	76.51	UL-RL	1.8746E+04	-15.60	129.2
1.000	1.000	172.0	0.000	0.000	Ug6_741_743_L_0					
80 D	34.65	-1.0936E-03	90.71	41.74	154.2	77.40	UL-RL	1.8746E+04	-15.80	131.5
1.000	1.000	173.2	0.000	0.000	Ug6_741_743_L_0					
81 D	17.44	-1.1956E-03	92.18	40.63	156.0	78.29	UL-RL	1.8746E+04	-16.00	133.8
1.000	1.000	174.4	0.000	0.000	Ug6_741_743_L_0					

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                   :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.06160E-09-2.06160E-09 2.05642E-10 8.88122E-10
    2 0.48820    -0.48820    -8.94242E-10 9.76400E-02
    3  1.4296     -1.4296    -9.76400E-02 0.38356
    4  2.8243     -2.8243    -0.38356     0.94842
    5  4.6721     -4.6721    -0.94842      1.8828
    6  6.9731     -6.9731     -1.8828      3.2775
    7  9.7274     -9.7274     -3.2775      5.2229
    8  12.935     -12.935     -5.2229      7.8099
    9  16.595     -16.595     -7.8099      11.129
   10  20.709     -20.709     -11.129      15.271
   11  25.275     -25.275     -15.271      20.326
   12  30.295     -30.295     -20.326      26.385
   13  35.767     -35.767     -26.385      33.538
   14  41.692     -41.692     -33.538      41.876
   15  48.069     -48.069     -41.876      51.490
   16  54.900     -54.900     -51.490      62.470
   17  62.182     -62.182     -62.470      74.907
   18  69.917     -69.917     -74.907      88.890
   19  78.104     -78.104     -88.890      104.51
   20  86.743     -86.743     -104.51      121.86
   21  95.834     -95.834     -121.86      141.03
   22  105.38     -105.38     -141.03      162.10
   23  115.37     -115.37     -162.10      185.18
   24  124.50     -124.50     -185.18      210.08
   25  131.36     -131.36     -210.08      236.35
   26  135.95     -135.95     -236.35      263.54
   27  138.28     -138.28     -263.54      291.20
   28  138.34     -138.34     -291.20      318.86
   29  136.13     -136.13     -318.86      346.09
   30  131.65     -131.65     -346.09      372.42
   31  124.90     -124.90     -372.42      397.40
   32  115.89     -115.89     -397.40      420.58
   33  104.61     -104.61     -420.58      441.50
   34  91.056     -91.056     -441.50      459.71
   35  76.999     -76.999     -459.71      475.11
   36  63.717     -63.717     -475.11      487.85
   37  51.178     -51.178     -487.85      498.09
   38  39.353     -39.353     -498.09      505.96
   39  28.211     -28.211     -505.96      511.60
   40  17.718     -17.718     -511.60      515.15
   41  7.8451     -7.8451     -515.15      516.71
   42 -1.4409      1.4409     -516.71      516.43
   43 -10.171      10.171     -516.43      514.39
   44 -18.378      18.378     -514.39      510.72
   45 -26.092      26.092     -510.72      505.50
   46 -33.343      33.343     -505.50      498.83
   47 -40.164      40.164     -498.83      490.80
   48 -46.582      46.582     -490.80      481.48
   49 -52.628      52.628     -481.48      470.95
   50 -58.330      58.330     -470.95      459.29
   51 -63.715      63.715     -459.29      446.55
   52 -68.811      68.811     -446.55      432.78
   53 -73.644      73.644     -432.78      418.05
   54 -78.238      78.238     -418.05      402.41
   55 -82.619      82.619     -402.41      385.88
   56 -86.808      86.808     -385.88      368.52
   57 -90.829      90.829     -368.52      350.36
   58 -94.701      94.701     -350.36      331.42
   59 -98.446      98.446     -331.42      311.73
```

60	-102.08	102.08	-311.73	291.31
61	-105.62	105.62	-291.31	270.19
62	-105.80	105.80	-270.19	249.03
63	-105.90	105.90	-249.03	227.85
64	-105.93	105.93	-227.85	206.66
65	-104.98	104.98	-206.66	185.67
66	-102.94	102.94	-185.67	165.08
67	-99.855	99.855	-165.08	145.11
68	-95.887	95.887	-145.11	125.93
69	-91.104	91.104	-125.93	107.71
70	-85.692	85.692	-107.71	90.573
71	-79.769	79.769	-90.573	74.619
72	-73.352	73.352	-74.619	59.949
73	-66.455	66.455	-59.949	46.658
74	-59.088	59.088	-46.658	34.840
75	-51.260	51.260	-34.840	24.588
76	-42.976	42.976	-24.588	15.993
77	-34.241	34.241	-15.993	9.1449
78	-25.046	25.046	-9.1449	4.1356
79	-15.394	15.394	-4.1356	1.0568
80	-5.2837	5.2837	-1.0568	-7.56184E-12

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:25:47                                                     |
+-------------------------------------------------------------------------------------------------------------------------+


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

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.28 [sec]
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.A1M1R1_1757
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 102
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

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

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5E+04 1.5E+05
   15 : ENDL
   16 : LDATA Ug6_741_743_L_0 -12 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 18.5 9 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 5 26
   21 : YOUNG 3E+04 9E+04
   22 : ENDL
   23 : MATERIAL S355_114 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.8121 00 00 0
   26 : STRIP LeftWall_32 1 6 1 11.75 0 5.769 45
   27 : STEP Stage1_31
   28 : CHANGE Ug5_2_8_L_0 U-FRICT=37 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   30 : CHANGE Ug5_2_8_L_0 U-KA=0.249 LeftWall_32
   31 : CHANGE Ug5_2_8_L_0 U-KP=6.738 LeftWall_32
   32 : CHANGE Ug5_2_8_L_0 D-KA=0.249 LeftWall_32
   33 : CHANGE Ug5_2_8_L_0 D-KP=6.738 LeftWall_32
   34 : CHANGE Ug6_741_743_L_0 U-FRICT=26 LeftWall_32
   35 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   36 : CHANGE Ug6_741_743_L_0 U-KA=0.39 LeftWall_32
   37 : CHANGE Ug6_741_743_L_0 U-KP=3.404 LeftWall_32
   38 : CHANGE Ug6_741_743_L_0 D-KA=0.39 LeftWall_32
   39 : CHANGE Ug6_741_743_L_0 D-KP=3.404 LeftWall_32
   40 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   41 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   42 : CHANGE Ug6_741_743_L_0 U-COHE=5 LeftWall_32
   43 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   44 : SETWALL LeftWall_32
   45 : GEOM 0 0
   46 : WATER 0 0 -16 0 0
   47 : ADD WallElement_33
   48 : ENDSTEP
   49 : STEP Stage2_158
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   51 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   52 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   53 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   54 : SETWALL LeftWall_32
   55 : GEOM 0 -1
   56 : WATER 0 1 -16 0 0
   57 : ENDSTEP
   58 : STEP Stage3_255
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   60 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   61 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   62 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   63 : SETWALL LeftWall_32
   64 : GEOM 0 -2
   65 : WATER 0 2 -16 0 0
   66 : ENDSTEP
   67 : STEP Stage4_352
   68 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
```

```
 69 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 71 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 72 : SETWALL LeftWall_32
 73 : GEOM 0 -3
 74 : WATER 0 3 -16 0 0
 75 : ENDSTEP
 76 : STEP Stage5_449
 77 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 78 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 79 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 80 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 81 : SETWALL LeftWall_32
 82 : GEOM 0 -4
 83 : WATER 0 4 -16 0 0
 84 : ENDSTEP
 85 : STEP Stage6_546
 86 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 87 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 88 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 89 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 90 : SETWALL LeftWall_32
 91 : GEOM 0 -4.5
 92 : WATER 0 4.5 -16 0 0
 93 : ENDSTEP
 94 : STEP Stage7_643
 95 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 96 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 97 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 98 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 99 : SETWALL LeftWall_32
100 : GEOM 0 -4.5
101 : WATER 0 4.5 -16 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

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

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                       |
|                                  Exe Time :24 May 2018       18:25:47                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
```

36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

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

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.8121     0.000     0.000
    2    2    3    1    0.000     0.000    0.8121     0.000     0.000
    3    3    4    1    0.000     0.000    0.8121     0.000     0.000
    4    4    5    1    0.000     0.000    0.8121     0.000     0.000
    5    5    6    1    0.000     0.000    0.8121     0.000     0.000
    6    6    7    1    0.000     0.000    0.8121     0.000     0.000
    7    7    8    1    0.000     0.000    0.8121     0.000     0.000
    8    8    9    1    0.000     0.000    0.8121     0.000     0.000
    9    9   10    1    0.000     0.000    0.8121     0.000     0.000
   10   10   11    1    0.000     0.000    0.8121     0.000     0.000
   11   11   12    1    0.000     0.000    0.8121     0.000     0.000
   12   12   13    1    0.000     0.000    0.8121     0.000     0.000
   13   13   14    1    0.000     0.000    0.8121     0.000     0.000
   14   14   15    1    0.000     0.000    0.8121     0.000     0.000
   15   15   16    1    0.000     0.000    0.8121     0.000     0.000
   16   16   17    1    0.000     0.000    0.8121     0.000     0.000
   17   17   18    1    0.000     0.000    0.8121     0.000     0.000
   18   18   19    1    0.000     0.000    0.8121     0.000     0.000
   19   19   20    1    0.000     0.000    0.8121     0.000     0.000
   20   20   21    1    0.000     0.000    0.8121     0.000     0.000
   21   21   22    1    0.000     0.000    0.8121     0.000     0.000
   22   22   23    1    0.000     0.000    0.8121     0.000     0.000
   23   23   24    1    0.000     0.000    0.8121     0.000     0.000
   24   24   25    1    0.000     0.000    0.8121     0.000     0.000
   25   25   26    1    0.000     0.000    0.8121     0.000     0.000
   26   26   27    1    0.000     0.000    0.8121     0.000     0.000
   27   27   28    1    0.000     0.000    0.8121     0.000     0.000
   28   28   29    1    0.000     0.000    0.8121     0.000     0.000
```

29	29	30	1	0.000	0.000	0.8121	0.000	0.000
30	30	31	1	0.000	0.000	0.8121	0.000	0.000
31	31	32	1	0.000	0.000	0.8121	0.000	0.000
32	32	33	1	0.000	0.000	0.8121	0.000	0.000
33	33	34	1	0.000	0.000	0.8121	0.000	0.000
34	34	35	1	0.000	0.000	0.8121	0.000	0.000
35	35	36	1	0.000	0.000	0.8121	0.000	0.000
36	36	37	1	0.000	0.000	0.8121	0.000	0.000
37	37	38	1	0.000	0.000	0.8121	0.000	0.000
38	38	39	1	0.000	0.000	0.8121	0.000	0.000
39	39	40	1	0.000	0.000	0.8121	0.000	0.000
40	40	41	1	0.000	0.000	0.8121	0.000	0.000
41	41	42	1	0.000	0.000	0.8121	0.000	0.000
42	42	43	1	0.000	0.000	0.8121	0.000	0.000
43	43	44	1	0.000	0.000	0.8121	0.000	0.000
44	44	45	1	0.000	0.000	0.8121	0.000	0.000
45	45	46	1	0.000	0.000	0.8121	0.000	0.000
46	46	47	1	0.000	0.000	0.8121	0.000	0.000
47	47	48	1	0.000	0.000	0.8121	0.000	0.000
48	48	49	1	0.000	0.000	0.8121	0.000	0.000
49	49	50	1	0.000	0.000	0.8121	0.000	0.000
50	50	51	1	0.000	0.000	0.8121	0.000	0.000
51	51	52	1	0.000	0.000	0.8121	0.000	0.000
52	52	53	1	0.000	0.000	0.8121	0.000	0.000
53	53	54	1	0.000	0.000	0.8121	0.000	0.000
54	54	55	1	0.000	0.000	0.8121	0.000	0.000
55	55	56	1	0.000	0.000	0.8121	0.000	0.000
56	56	57	1	0.000	0.000	0.8121	0.000	0.000
57	57	58	1	0.000	0.000	0.8121	0.000	0.000
58	58	59	1	0.000	0.000	0.8121	0.000	0.000
59	59	60	1	0.000	0.000	0.8121	0.000	0.000
60	60	61	1	0.000	0.000	0.8121	0.000	0.000
61	61	62	1	0.000	0.000	0.8121	0.000	0.000
62	62	63	1	0.000	0.000	0.8121	0.000	0.000
63	63	64	1	0.000	0.000	0.8121	0.000	0.000
64	64	65	1	0.000	0.000	0.8121	0.000	0.000
65	65	66	1	0.000	0.000	0.8121	0.000	0.000
66	66	67	1	0.000	0.000	0.8121	0.000	0.000
67	67	68	1	0.000	0.000	0.8121	0.000	0.000
68	68	69	1	0.000	0.000	0.8121	0.000	0.000
69	69	70	1	0.000	0.000	0.8121	0.000	0.000
70	70	71	1	0.000	0.000	0.8121	0.000	0.000
71	71	72	1	0.000	0.000	0.8121	0.000	0.000
72	72	73	1	0.000	0.000	0.8121	0.000	0.000
73	73	74	1	0.000	0.000	0.8121	0.000	0.000
74	74	75	1	0.000	0.000	0.8121	0.000	0.000
75	75	76	1	0.000	0.000	0.8121	0.000	0.000
76	76	77	1	0.000	0.000	0.8121	0.000	0.000
77	77	78	1	0.000	0.000	0.8121	0.000	0.000
78	78	79	1	0.000	0.000	0.8121	0.000	0.000
79	79	80	1	0.000	0.000	0.8121	0.000	0.000
80	80	81	1	0.000	0.000	0.8121	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
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```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

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

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

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

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    2
NO. OF DATA PER LAYER.......................  100
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
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ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.       1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.       1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.       1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
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ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5
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```
ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
```

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ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
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SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:25:47                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           1.00000000000000
 FOUNDATION WIDTH    (B)            11.7500000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      5.76900000000000
 BETA ......                    45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4763

 NO. OF D.P.W  FOR THIS AREA       9554
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1223E+06 RIMNOR= 0.000
           RENORM=0.2842E-27 REMNOR= 0.000     RATIO =0.4820E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1223E+06 RDR   = 0.000
           RATIOT=0.4820E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   149 NODE     75 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1223E+06 RIMNOR= 0.000
           RENORM=0.1901E-29 REMNOR=0.1400E-52 RATIO =0.3943E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1223E+06 RDR   = 0.000
           RATIOT=0.3943E-17 RATIOR= 0.000
           MAX UN=0.2381E-15 IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.3500E-16 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1223E+06 RIMNOR= 0.000
           RENORM=0.1742E-29 REMNOR=0.3776E-52 RATIO =0.3774E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.09     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1223E+06 RDR   = 0.000
           RATIOT=0.3774E-17 RATIOR= 0.000
           MAX UN=0.2185E-15 IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           MIN UN=-.4160E-18 IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      3.1789E-21   0.000       0.000       0.000       0.000            V-C  4.7008E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7316      1.5282E-21   2.009       1.658       2.009       1.658            V-C  4.7008E+04 -0.2000       2.000
1.000       1.000       3.658       0.000       0.000     Ug5_2_8_L_0
   3 D   1.443     -1.2238E-22   4.065       3.217       4.065       3.217            V-C  4.7008E+04 -0.4000       4.000
1.000       1.000       7.217       0.000       0.000     Ug5_2_8_L_0
   4 D   2.126     -1.7729E-21   6.182       4.630       6.182       4.630            V-C  4.7008E+04 -0.6000       6.000
1.000       1.000       10.63       0.000       0.000     Ug5_2_8_L_0
   5 D   2.781     -3.4230E-21   8.343       5.905       8.343       5.905            V-C  4.7008E+04 -0.8000       8.000
1.000       1.000       13.90       0.000       0.000     Ug5_2_8_L_0
   6 D   3.415     -5.0720E-21   10.52       7.074       10.52       7.074            V-C  4.7008E+04  -1.000       10.00
1.000       1.000       17.07       0.000       0.000     Ug5_2_8_L_0
   7 D   4.034     -6.7170E-21   12.70       8.168       12.70       8.168            V-C  4.7008E+04  -1.200       12.00
1.000       1.000       20.17       0.000       0.000     Ug5_2_8_L_0
   8 D   4.643     -8.3546E-21   15.01       9.214       15.01       9.214            V-C  4.7008E+04  -1.400       14.00
1.000       1.000       23.21       0.000       0.000     Ug5_2_8_L_0
   9 D   5.246     -9.9810E-21   17.36       10.23       17.36       10.23            V-C  4.7008E+04  -1.600       16.00
1.000       1.000       26.23       0.000       0.000     Ug5_2_8_L_0
  10 D   5.844     -1.1592E-20   19.46       11.22       19.46       11.22            V-C  4.7008E+04  -1.800       18.00
1.000       1.000       29.22       0.000       0.000     Ug5_2_8_L_0
  11 D   6.440     -1.3183E-20   21.71       12.20       21.71       12.20            V-C  4.7008E+04  -2.000       20.00
1.000       1.000       32.20       0.000       0.000     Ug5_2_8_L_0
  12 D   7.034     -1.4748E-20   23.93       13.17       23.93       13.17            V-C  4.7008E+04  -2.200       22.00
1.000       1.000       35.17       0.000       0.000     Ug5_2_8_L_0
  13 D   7.627     -1.6283E-20   25.97       14.14       25.97       14.14            V-C  4.7008E+04  -2.400       24.00
1.000       1.000       38.14       0.000       0.000     Ug5_2_8_L_0
  14 D   8.219     -1.7780E-20   28.14       15.10       28.14       15.10            V-C  4.7008E+04  -2.600       26.00
1.000       1.000       41.10       0.000       0.000     Ug5_2_8_L_0
  15 D   8.811     -1.9233E-20   30.29       16.05       30.29       16.05            V-C  4.7008E+04  -2.800       28.00
1.000       1.000       44.05       0.000       0.000     Ug5_2_8_L_0
  16 D   9.402     -2.0634E-20   32.42       17.01       32.42       17.01            V-C  4.7008E+04  -3.000       30.00
1.000       1.000       47.01       0.000       0.000     Ug5_2_8_L_0
  17 D   9.993     -2.1974E-20   34.43       17.97       34.43       17.97            V-C  4.7008E+04  -3.200       32.00
1.000       1.000       49.97       0.000       0.000     Ug5_2_8_L_0
  18 D   10.58     -2.3245E-20   36.54       18.92       36.54       18.92            V-C  4.7008E+04  -3.400       34.00
1.000       1.000       52.92       0.000       0.000     Ug5_2_8_L_0
  19 D   11.17     -2.4437E-20   38.64       19.87       38.64       19.87            V-C  4.7008E+04  -3.600       36.00
1.000       1.000       55.87       0.000       0.000     Ug5_2_8_L_0
  20 D   11.77     -2.5539E-20   40.64       20.83       40.64       20.83            V-C  4.7008E+04  -3.800       38.00
1.000       1.000       58.83       0.000       0.000     Ug5_2_8_L_0
  21 D   12.36     -2.6549E-20   42.73       21.78       42.73       21.78            V-C  4.7008E+04  -4.000       40.00
1.000       1.000       61.78       0.000       0.000     Ug5_2_8_L_0
  22 D   12.95     -2.7465E-20   44.80       22.74       44.80       22.74            V-C  4.7008E+04  -4.200       42.00
1.000       1.000       64.74       0.000       0.000     Ug5_2_8_L_0
  23 D   13.54     -2.8293E-20   46.80       23.69       46.80       23.69            V-C  4.7008E+04  -4.400       44.00
1.000       1.000       67.69       0.000       0.000     Ug5_2_8_L_0
  24 D   14.13     -2.9038E-20   48.87       24.65       48.87       24.65            V-C  4.7008E+04  -4.600       46.00
1.000       1.000       70.65       0.000       0.000     Ug5_2_8_L_0
  25 D   14.72     -2.9704E-20   50.93       25.61       50.93       25.61            V-C  4.7008E+04  -4.800       48.00
1.000       1.000       73.61       0.000       0.000     Ug5_2_8_L_0
  26 D   15.31     -3.0294E-20   52.99       26.56       52.99       26.56            V-C  4.7008E+04  -5.000       50.00
1.000       1.000       76.56       0.000       0.000     Ug5_2_8_L_0
  27 D   15.90     -3.0810E-20   54.98       27.52       54.98       27.52            V-C  4.7008E+04  -5.200       52.00
1.000       1.000       79.52       0.000       0.000     Ug5_2_8_L_0
  28 D   16.50     -3.1254E-20   57.03       28.48       57.03       28.48            V-C  4.7008E+04  -5.400       54.00
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1.000	1.000	82.48	0.000	0.000	Ug5_2_8_L_0						
29 D	17.09	-3.1626E-20	59.08	29.44	59.08	29.44	V-C	4.7008E+04	-5.600	56.00	
1.000	1.000	85.44	0.000	0.000	Ug5_2_8_L_0						
30 D	17.68	-3.1923E-20	61.07	30.40	61.07	30.40	V-C	4.7008E+04	-5.800	58.00	
1.000	1.000	88.40	0.000	0.000	Ug5_2_8_L_0						
31 D	18.27	-3.2144E-20	63.11	31.36	63.11	31.36	V-C	4.7008E+04	-6.000	60.00	
1.000	1.000	91.36	0.000	0.000	Ug5_2_8_L_0						
32 D	18.87	-3.2285E-20	65.16	32.33	65.16	32.33	V-C	4.7008E+04	-6.200	62.00	
1.000	1.000	94.33	0.000	0.000	Ug5_2_8_L_0						
33 D	19.46	-3.2340E-20	67.14	33.29	67.14	33.29	V-C	4.7008E+04	-6.400	64.00	
1.000	1.000	97.29	0.000	0.000	Ug5_2_8_L_0						
34 D	20.05	-3.2307E-20	69.18	34.25	69.18	34.25	V-C	4.7008E+04	-6.600	66.00	
1.000	1.000	100.3	0.000	0.000	Ug5_2_8_L_0						
35 D	20.64	-3.2196E-20	71.22	35.22	71.22	35.22	V-C	4.7008E+04	-6.800	68.00	
1.000	1.000	103.2	0.000	0.000	Ug5_2_8_L_0						
36 D	21.24	-3.2017E-20	73.26	36.18	73.26	36.18	V-C	4.7008E+04	-7.000	70.00	
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0						
37 D	21.83	-3.1781E-20	75.24	37.15	75.24	37.15	V-C	4.7008E+04	-7.200	72.00	
1.000	1.000	109.2	0.000	0.000	Ug5_2_8_L_0						
38 D	22.42	-3.1498E-20	77.27	38.12	77.27	38.12	V-C	4.7008E+04	-7.400	74.00	
1.000	1.000	112.1	0.000	0.000	Ug5_2_8_L_0						
39 D	23.02	-3.1175E-20	79.31	39.09	79.31	39.09	V-C	4.7008E+04	-7.600	76.00	
1.000	1.000	115.1	0.000	0.000	Ug5_2_8_L_0						
40 D	23.61	-3.0818E-20	81.29	40.06	81.29	40.06	V-C	4.7008E+04	-7.800	78.00	
1.000	1.000	118.1	0.000	0.000	Ug5_2_8_L_0						
41 D	24.21	-3.0430E-20	83.32	41.03	83.32	41.03	V-C	4.7008E+04	-8.000	80.00	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
42 D	24.80	-3.0002E-20	85.35	42.00	85.35	42.00	V-C	4.7008E+04	-8.200	82.00	
1.000	1.000	124.0	0.000	0.000	Ug5_2_8_L_0						
43 D	25.39	-2.9532E-20	87.33	42.97	87.33	42.97	V-C	4.7008E+04	-8.400	84.00	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
44 D	25.99	-2.9026E-20	89.36	43.94	89.36	43.94	V-C	4.7008E+04	-8.600	86.00	
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0						
45 D	26.58	-2.8498E-20	91.39	44.91	91.39	44.91	V-C	4.7008E+04	-8.800	88.00	
1.000	1.000	132.9	0.000	0.000	Ug5_2_8_L_0						
46 D	27.18	-2.7951E-20	93.41	45.89	93.41	45.89	V-C	4.7008E+04	-9.000	90.00	
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0						
47 D	27.77	-2.7383E-20	95.40	46.86	95.40	46.86	V-C	4.7008E+04	-9.200	92.00	
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0						
48 D	28.37	-2.6791E-20	97.42	47.84	97.42	47.84	V-C	4.7008E+04	-9.400	94.00	
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0						
49 D	28.96	-2.6171E-20	99.44	48.82	99.44	48.82	V-C	4.7008E+04	-9.600	96.00	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
50 D	29.56	-2.5518E-20	101.4	49.79	101.4	49.79	V-C	4.7008E+04	-9.800	98.00	
1.000	1.000	147.8	0.000	0.000	Ug5_2_8_L_0						
51 D	30.15	-2.4826E-20	103.4	50.77	103.4	50.77	V-C	4.7008E+04	-10.00	100.00	
1.000	1.000	150.8	0.000	0.000	Ug5_2_8_L_0						
52 D	30.75	-2.4089E-20	105.5	51.75	105.5	51.75	V-C	4.7008E+04	-10.20	102.0	
1.000	1.000	153.7	0.000	0.000	Ug5_2_8_L_0						
53 D	31.35	-2.3300E-20	107.5	52.73	107.5	52.73	V-C	4.7008E+04	-10.40	104.0	
1.000	1.000	156.7	0.000	0.000	Ug5_2_8_L_0						
54 D	31.94	-2.2469E-20	109.5	53.71	109.5	53.71	V-C	4.7008E+04	-10.60	106.0	
1.000	1.000	159.7	0.000	0.000	Ug5_2_8_L_0						
55 D	32.54	-2.1604E-20	111.5	54.69	111.5	54.69	V-C	4.7008E+04	-10.80	108.0	
1.000	1.000	162.7	0.000	0.000	Ug5_2_8_L_0						
56 D	33.13	-2.0716E-20	113.5	55.67	113.5	55.67	V-C	4.7008E+04	-11.00	110.0	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
57 D	33.73	-1.9812E-20	115.5	56.65	115.5	56.65	V-C	4.7008E+04	-11.20	112.0	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
58 D	34.33	-1.8901E-20	117.5	57.63	117.5	57.63	V-C	4.7008E+04	-11.40	114.0	
1.000	1.000	171.6	0.000	0.000	Ug5_2_8_L_0						
59 D	34.92	-1.7989E-20	119.5	58.61	119.5	58.61	V-C	4.7008E+04	-11.60	116.0	
1.000	1.000	174.6	0.000	0.000	Ug5_2_8_L_0						
60 D	35.52	-1.7082E-20	121.5	59.60	121.5	59.60	V-C	4.7008E+04	-11.80	118.0	
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0						
61 D	36.12	-1.6185E-20	123.5	60.58	123.5	60.58	V-C	4.7008E+04	-12.00	120.0	
1.000	1.000	180.6	0.000	0.000	Ug5_2_8_L_0						
62 D	36.69	-1.5302E-20	125.4	61.46	125.4	61.46	V-C	2.2505E+04	-12.20	122.0	
1.000	1.000	183.5	0.000	0.000	Ug6_741_743_L_0						
63 D	37.27	-1.4438E-20	127.2	62.35	127.2	62.35	V-C	2.2505E+04	-12.40	124.0	
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0						
64 D	37.85	-1.3595E-20	129.0	63.23	129.0	63.23	V-C	2.2505E+04	-12.60	126.0	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
65 D	38.42	-1.2776E-20	130.7	64.12	130.7	64.12	V-C	2.2505E+04	-12.80	128.0	
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0						
66 D	39.00	-1.1985E-20	132.5	65.01	132.5	65.01	V-C	2.2505E+04	-13.00	130.0	
1.000	1.000	195.0	0.000	0.000	Ug6_741_743_L_0						
67 D	39.58	-1.1224E-20	134.3	65.89	134.3	65.89	V-C	2.2505E+04	-13.20	132.0	
1.000	1.000	197.9	0.000	0.000	Ug6_741_743_L_0						
68 D	40.16	-1.0494E-20	136.0	66.78	136.0	66.78	V-C	2.2505E+04	-13.40	134.0	
1.000	1.000	200.8	0.000	0.000	Ug6_741_743_L_0						

69	D	40.73	-9.7915E-21	137.8	67.67	137.8	67.67	V-C	2.2505E+04	-13.60	136.0
1.000		1.000	203.7	0.000	0.000	Ug6_741_743_L_0					
70	D	41.31	-9.0831E-21	139.6	68.55	139.6	68.55	V-C	2.2505E+04	-13.80	138.0
1.000		1.000	206.6	0.000	0.000	Ug6_741_743_L_0					
71	D	41.89	-8.3367E-21	141.3	69.44	141.3	69.44	V-C	2.2505E+04	-14.00	140.0
1.000		1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
72	D	42.47	-7.5468E-21	143.1	70.33	143.1	70.33	V-C	2.2505E+04	-14.20	142.0
1.000		1.000	212.3	0.000	0.000	Ug6_741_743_L_0					
73	D	43.04	-6.7142E-21	144.9	71.22	144.9	71.22	V-C	2.2505E+04	-14.40	144.0
1.000		1.000	215.2	0.000	0.000	Ug6_741_743_L_0					
74	D	43.62	-5.8395E-21	146.6	72.11	146.6	72.11	V-C	2.2505E+04	-14.60	146.0
1.000		1.000	218.1	0.000	0.000	Ug6_741_743_L_0					
75	D	44.20	-4.9233E-21	148.4	73.00	148.4	73.00	V-C	2.2505E+04	-14.80	148.0
1.000		1.000	221.0	0.000	0.000	Ug6_741_743_L_0					
76	D	44.78	-3.9728E-21	150.2	73.89	150.2	73.89	V-C	2.2505E+04	-15.00	150.0
1.000		1.000	223.9	0.000	0.000	Ug6_741_743_L_0					
77	D	45.36	-3.0152E-21	151.9	74.78	151.9	74.78	V-C	2.2505E+04	-15.20	152.0
1.000		1.000	226.8	0.000	0.000	Ug6_741_743_L_0					
78	D	45.93	-2.0574E-21	153.7	75.67	153.7	75.67	V-C	2.2505E+04	-15.40	154.0
1.000		1.000	229.7	0.000	0.000	Ug6_741_743_L_0					
79	D	46.51	-1.0995E-21	155.5	76.56	155.5	76.56	V-C	2.2505E+04	-15.60	156.0
1.000		1.000	232.6	0.000	0.000	Ug6_741_743_L_0					
80	D	47.09	-1.4164E-22	157.3	77.45	157.3	77.45	V-C	2.2505E+04	-15.80	158.0
1.000		1.000	235.4	0.000	0.000	Ug6_741_743_L_0					
81	D	23.83	8.1630E-22	159.0	78.34	159.0	78.34	V-C	2.2505E+04	-16.00	160.0
1.000		1.000	238.3	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
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 New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.1789E-21   0.000       0.000       0.000       0.000            V-C  2.3371E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7316     -1.5282E-21   2.000       1.658       2.000       1.658            V-C  2.3371E+04 -0.2000       2.000
1.000       1.000       3.658       0.000       0.000     Ug5_2_8_L_0
   3 D   1.443      1.2238E-22   4.000       3.217       4.000       3.217            V-C  2.3371E+04 -0.4000       4.000
1.000       1.000       7.217       0.000       0.000     Ug5_2_8_L_0
   4 D   2.126      1.7729E-21   6.000       4.630       6.000       4.630            V-C  2.3371E+04 -0.6000       6.000
1.000       1.000       10.63       0.000       0.000     Ug5_2_8_L_0
   5 D   2.781      3.4230E-21   8.000       5.905       8.000       5.905            V-C  2.3371E+04 -0.8000       8.000
1.000       1.000       13.90       0.000       0.000     Ug5_2_8_L_0
   6 D   3.415      5.0720E-21   10.00       7.074       10.00       7.074            V-C  2.3371E+04  -1.000       10.00
1.000       1.000       17.07       0.000       0.000     Ug5_2_8_L_0
   7 D   4.034      6.7170E-21   12.00       8.168       12.00       8.168            V-C  2.3371E+04  -1.200       12.00
1.000       1.000       20.17       0.000       0.000     Ug5_2_8_L_0
   8 D   4.643      8.3546E-21   14.00       9.214       14.00       9.214            V-C  2.3371E+04  -1.400       14.00
1.000       1.000       23.21       0.000       0.000     Ug5_2_8_L_0
   9 D   5.246      9.9810E-21   16.00       10.23       16.00       10.23            V-C  2.3371E+04  -1.600       16.00
1.000       1.000       26.23       0.000       0.000     Ug5_2_8_L_0
  10 D   5.844      1.1592E-20   18.00       11.22       18.00       11.22            V-C  2.3371E+04  -1.800       18.00
1.000       1.000       29.22       0.000       0.000     Ug5_2_8_L_0
  11 D   6.440      1.3183E-20   20.00       12.20       20.00       12.20            V-C  2.3371E+04  -2.000       20.00
1.000       1.000       32.20       0.000       0.000     Ug5_2_8_L_0
  12 D   7.034      1.4748E-20   22.00       13.17       22.00       13.17            V-C  2.3371E+04  -2.200       22.00
1.000       1.000       35.17       0.000       0.000     Ug5_2_8_L_0
  13 D   7.627      1.6283E-20   24.00       14.14       24.00       14.14            V-C  2.3371E+04  -2.400       24.00
1.000       1.000       38.14       0.000       0.000     Ug5_2_8_L_0
  14 D   8.219      1.7780E-20   26.00       15.10       26.00       15.10            V-C  2.3371E+04  -2.600       26.00
1.000       1.000       41.10       0.000       0.000     Ug5_2_8_L_0
  15 D   8.811      1.9233E-20   28.00       16.05       28.00       16.05            V-C  2.3371E+04  -2.800       28.00
1.000       1.000       44.05       0.000       0.000     Ug5_2_8_L_0
  16 D   9.402      2.0634E-20   30.00       17.01       30.00       17.01            V-C  2.3371E+04  -3.000       30.00
1.000       1.000       47.01       0.000       0.000     Ug5_2_8_L_0
  17 D   9.993      2.1974E-20   32.00       17.97       32.00       17.97            V-C  2.3371E+04  -3.200       32.00
1.000       1.000       49.97       0.000       0.000     Ug5_2_8_L_0
  18 D   10.58      2.3245E-20   34.00       18.92       34.00       18.92            V-C  2.3371E+04  -3.400       34.00
1.000       1.000       52.92       0.000       0.000     Ug5_2_8_L_0
  19 D   11.17      2.4437E-20   36.00       19.87       36.00       19.87            V-C  2.3371E+04  -3.600       36.00
1.000       1.000       55.87       0.000       0.000     Ug5_2_8_L_0
  20 D   11.77      2.5539E-20   38.00       20.83       38.00       20.83            V-C  2.3371E+04  -3.800       38.00
1.000       1.000       58.83       0.000       0.000     Ug5_2_8_L_0
  21 D   12.36      2.6549E-20   40.00       21.78       40.00       21.78            V-C  2.3371E+04  -4.000       40.00
1.000       1.000       61.78       0.000       0.000     Ug5_2_8_L_0
  22 D   12.95      2.7465E-20   42.00       22.74       42.00       22.74            V-C  2.3371E+04  -4.200       42.00
1.000       1.000       64.74       0.000       0.000     Ug5_2_8_L_0
  23 D   13.54      2.8293E-20   44.00       23.69       44.00       23.69            V-C  2.3371E+04  -4.400       44.00
1.000       1.000       67.69       0.000       0.000     Ug5_2_8_L_0
  24 D   14.13      2.9038E-20   46.00       24.65       46.00       24.65            V-C  2.3371E+04  -4.600       46.00
1.000       1.000       70.65       0.000       0.000     Ug5_2_8_L_0
  25 D   14.72      2.9704E-20   48.00       25.61       48.00       25.61            V-C  2.3371E+04  -4.800       48.00
1.000       1.000       73.61       0.000       0.000     Ug5_2_8_L_0
  26 D   15.31      3.0294E-20   50.00       26.56       50.00       26.56            V-C  2.3371E+04  -5.000       50.00
1.000       1.000       76.56       0.000       0.000     Ug5_2_8_L_0
  27 D   15.90      3.0810E-20   52.00       27.52       52.00       27.52            V-C  2.3371E+04  -5.200       52.00
1.000       1.000       79.52       0.000       0.000     Ug5_2_8_L_0
  28 D   16.50      3.1254E-20   54.00       28.48       54.00       28.48            V-C  2.3371E+04  -5.400       54.00
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1.000	1.000	82.48	0.000	0.000	Ug5_2_8_L_0							
29 D	17.09	3.1626E-20	56.00	29.44	56.00	29.44	V-C	2.3371E+04	-5.600	56.00		
1.000	1.000	85.44	0.000	0.000	Ug5_2_8_L_0							
30 D	17.68	3.1923E-20	58.00	30.40	58.00	30.40	V-C	2.3371E+04	-5.800	58.00		
1.000	1.000	88.40	0.000	0.000	Ug5_2_8_L_0							
31 D	18.27	3.2144E-20	60.00	31.36	60.00	31.36	V-C	2.3371E+04	-6.000	60.00		
1.000	1.000	91.36	0.000	0.000	Ug5_2_8_L_0							
32 D	18.87	3.2285E-20	62.00	32.33	62.00	32.33	V-C	2.3371E+04	-6.200	62.00		
1.000	1.000	94.33	0.000	0.000	Ug5_2_8_L_0							
33 D	19.46	3.2340E-20	64.00	33.29	64.00	33.29	V-C	2.3371E+04	-6.400	64.00		
1.000	1.000	97.29	0.000	0.000	Ug5_2_8_L_0							
34 D	20.05	3.2307E-20	66.00	34.25	66.00	34.25	V-C	2.3371E+04	-6.600	66.00		
1.000	1.000	100.3	0.000	0.000	Ug5_2_8_L_0							
35 D	20.64	3.2196E-20	68.00	35.22	68.00	35.22	V-C	2.3371E+04	-6.800	68.00		
1.000	1.000	103.2	0.000	0.000	Ug5_2_8_L_0							
36 D	21.24	3.2017E-20	70.00	36.18	70.00	36.18	V-C	2.3371E+04	-7.000	70.00		
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0							
37 D	21.83	3.1781E-20	72.00	37.15	72.00	37.15	V-C	2.3371E+04	-7.200	72.00		
1.000	1.000	109.2	0.000	0.000	Ug5_2_8_L_0							
38 D	22.42	3.1498E-20	74.00	38.12	74.00	38.12	V-C	2.3371E+04	-7.400	74.00		
1.000	1.000	112.1	0.000	0.000	Ug5_2_8_L_0							
39 D	23.02	3.1175E-20	76.00	39.09	76.00	39.09	V-C	2.3371E+04	-7.600	76.00		
1.000	1.000	115.1	0.000	0.000	Ug5_2_8_L_0							
40 D	23.61	3.0818E-20	78.00	40.06	78.00	40.06	V-C	2.3371E+04	-7.800	78.00		
1.000	1.000	118.1	0.000	0.000	Ug5_2_8_L_0							
41 D	24.21	3.0430E-20	80.00	41.03	80.00	41.03	V-C	2.3371E+04	-8.000	80.00		
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0							
42 D	24.80	3.0002E-20	82.00	42.00	82.00	42.00	V-C	2.3371E+04	-8.200	82.00		
1.000	1.000	124.0	0.000	0.000	Ug5_2_8_L_0							
43 D	25.39	2.9532E-20	84.00	42.97	84.00	42.97	V-C	2.3371E+04	-8.400	84.00		
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0							
44 D	25.99	2.9026E-20	86.00	43.94	86.00	43.94	V-C	2.3371E+04	-8.600	86.00		
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0							
45 D	26.58	2.8498E-20	88.00	44.91	88.00	44.91	V-C	2.3371E+04	-8.800	88.00		
1.000	1.000	132.9	0.000	0.000	Ug5_2_8_L_0							
46 D	27.18	2.7951E-20	90.00	45.89	90.00	45.89	V-C	2.3371E+04	-9.000	90.00		
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0							
47 D	27.77	2.7383E-20	92.00	46.86	92.00	46.86	V-C	2.3371E+04	-9.200	92.00		
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0							
48 D	28.37	2.6791E-20	94.00	47.84	94.00	47.84	V-C	2.3371E+04	-9.400	94.00		
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0							
49 D	28.96	2.6171E-20	96.00	48.82	96.00	48.82	V-C	2.3371E+04	-9.600	96.00		
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0							
50 D	29.56	2.5518E-20	98.00	49.79	98.00	49.79	V-C	2.3371E+04	-9.800	98.00		
1.000	1.000	147.8	0.000	0.000	Ug5_2_8_L_0							
51 D	30.15	2.4826E-20	100.00	50.77	100.00	50.77	V-C	2.3371E+04	-10.00	100.00		
1.000	1.000	150.8	0.000	0.000	Ug5_2_8_L_0							
52 D	30.75	2.4089E-20	102.0	51.75	102.0	51.75	V-C	2.3371E+04	-10.20	102.0		
1.000	1.000	153.7	0.000	0.000	Ug5_2_8_L_0							
53 D	31.35	2.3300E-20	104.0	52.73	104.0	52.73	V-C	2.3371E+04	-10.40	104.0		
1.000	1.000	156.7	0.000	0.000	Ug5_2_8_L_0							
54 D	31.94	2.2469E-20	106.0	53.71	106.0	53.71	V-C	2.3371E+04	-10.60	106.0		
1.000	1.000	159.7	0.000	0.000	Ug5_2_8_L_0							
55 D	32.54	2.1604E-20	108.0	54.69	108.0	54.69	V-C	2.3371E+04	-10.80	108.0		
1.000	1.000	162.7	0.000	0.000	Ug5_2_8_L_0							
56 D	33.13	2.0716E-20	110.0	55.67	110.0	55.67	V-C	2.3371E+04	-11.00	110.0		
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0							
57 D	33.73	1.9812E-20	112.0	56.65	112.0	56.65	V-C	2.3371E+04	-11.20	112.0		
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0							
58 D	34.33	1.8901E-20	114.0	57.63	114.0	57.63	V-C	2.3371E+04	-11.40	114.0		
1.000	1.000	171.6	0.000	0.000	Ug5_2_8_L_0							
59 D	34.92	1.7989E-20	116.0	58.61	116.0	58.61	V-C	2.3371E+04	-11.60	116.0		
1.000	1.000	174.6	0.000	0.000	Ug5_2_8_L_0							
60 D	35.52	1.7082E-20	118.0	59.60	118.0	59.60	V-C	2.3371E+04	-11.80	118.0		
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0							
61 D	36.12	1.6185E-20	120.0	60.58	120.0	60.58	V-C	2.3371E+04	-12.00	120.0		
1.000	1.000	180.6	0.000	0.000	Ug5_2_8_L_0							
62 D	36.69	1.5302E-20	121.8	61.46	121.8	61.46	V-C	1.7574E+04	-12.20	122.0		
1.000	1.000	183.5	0.000	0.000	Ug6_741_743_L_0							
63 D	37.27	1.4438E-20	123.6	62.35	123.6	62.35	V-C	1.7574E+04	-12.40	124.0		
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0							
64 D	37.85	1.3595E-20	125.4	63.23	125.4	63.23	V-C	1.7574E+04	-12.60	126.0		
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0							
65 D	38.42	1.2776E-20	127.2	64.12	127.2	64.12	V-C	1.7574E+04	-12.80	128.0		
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0							
66 D	39.00	1.1985E-20	129.0	65.01	129.0	65.01	V-C	1.7574E+04	-13.00	130.0		
1.000	1.000	195.0	0.000	0.000	Ug6_741_743_L_0							
67 D	39.58	1.1224E-20	130.8	65.89	130.8	65.89	V-C	1.7574E+04	-13.20	132.0		
1.000	1.000	197.9	0.000	0.000	Ug6_741_743_L_0							
68 D	40.16	1.0494E-20	132.6	66.78	132.6	66.78	V-C	1.7574E+04	-13.40	134.0		
1.000	1.000	200.8	0.000	0.000	Ug6_741_743_L_0							

69 D	40.73	9.7915E-21	134.4	67.67	134.4	67.67	V-C	1.7574E+04	-13.60	136.0	
1.000	1.000	203.7	0.000	0.000	Ug6_741_743_L_0						
70 D	41.31	9.0831E-21	136.2	68.55	136.2	68.55	V-C	1.7574E+04	-13.80	138.0	
1.000	1.000	206.6	0.000	0.000	Ug6_741_743_L_0						
71 D	41.89	8.3367E-21	138.0	69.44	138.0	69.44	V-C	1.7574E+04	-14.00	140.0	
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0						
72 D	42.47	7.5468E-21	139.8	70.33	139.8	70.33	V-C	1.7574E+04	-14.20	142.0	
1.000	1.000	212.3	0.000	0.000	Ug6_741_743_L_0						
73 D	43.04	6.7142E-21	141.6	71.22	141.6	71.22	V-C	1.7574E+04	-14.40	144.0	
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0						
74 D	43.62	5.8395E-21	143.4	72.11	143.4	72.11	V-C	1.7574E+04	-14.60	146.0	
1.000	1.000	218.1	0.000	0.000	Ug6_741_743_L_0						
75 D	44.20	4.9233E-21	145.2	73.00	145.2	73.00	V-C	1.7574E+04	-14.80	148.0	
1.000	1.000	221.0	0.000	0.000	Ug6_741_743_L_0						
76 D	44.78	3.9728E-21	147.0	73.89	147.0	73.89	V-C	1.7574E+04	-15.00	150.0	
1.000	1.000	223.9	0.000	0.000	Ug6_741_743_L_0						
77 D	45.36	3.0152E-21	148.8	74.78	148.8	74.78	V-C	1.7574E+04	-15.20	152.0	
1.000	1.000	226.8	0.000	0.000	Ug6_741_743_L_0						
78 D	45.93	2.0574E-21	150.6	75.67	150.6	75.67	V-C	1.7574E+04	-15.40	154.0	
1.000	1.000	229.7	0.000	0.000	Ug6_741_743_L_0						
79 D	46.51	1.0995E-21	152.4	76.56	152.4	76.56	V-C	1.7574E+04	-15.60	156.0	
1.000	1.000	232.6	0.000	0.000	Ug6_741_743_L_0						
80 D	47.09	1.4164E-22	154.2	77.45	154.2	77.45	V-C	1.7574E+04	-15.80	158.0	
1.000	1.000	235.4	0.000	0.000	Ug6_741_743_L_0						
81 D	23.83	-8.1630E-22	156.0	78.34	156.0	78.34	V-C	1.7574E+04	-16.00	160.0	
1.000	1.000	238.3	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-2.00776E-18 2.00776E-18  0.0000    -4.01553E-19
    2-1.54965E-17 1.54965E-17 4.01553E-19-3.50085E-18
    3-3.84557E-17 3.84557E-17 3.50085E-18-1.11920E-17
    4-7.08767E-17 7.08767E-17 1.11920E-17-2.53673E-17
    5-5.56830E-16 5.56830E-16 2.53673E-17-1.36733E-16
    6-6.08108E-16 6.08108E-16 1.36733E-16-2.58355E-16
    7-6.68751E-16 6.68751E-16 2.58355E-16-3.92105E-16
    8-7.38696E-16 7.38696E-16 3.92105E-16-5.39844E-16
    9-8.17859E-16 8.17859E-16 5.39844E-16-7.03416E-16
   10-9.06132E-16 9.06132E-16 7.03416E-16-8.84643E-16
   11-1.00339E-15 1.00339E-15 8.84643E-16-1.08532E-15
   12-1.10947E-15 1.10947E-15 1.08532E-15-1.30721E-15
   13-1.22419E-15 1.22419E-15 1.30721E-15-1.55205E-15
   14-1.34736E-15 1.34736E-15 1.55205E-15-1.82152E-15
   15-1.47874E-15 1.47874E-15 1.82152E-15-2.11727E-15
   16-1.61808E-15 1.61808E-15 2.11727E-15-2.44089E-15
   17-1.76509E-15 1.76509E-15 2.44089E-15-2.79391E-15
   18-1.91946E-15 1.91946E-15 2.79391E-15-3.17780E-15
   19-3.04531E-16 3.04531E-16 3.17780E-15-3.23871E-15
   20-4.72650E-16 4.72650E-16 3.23871E-15-3.33324E-15
   21 1.12926E-15-1.12926E-15 3.33324E-15-3.10738E-15
   22 9.48868E-16-9.48868E-16 3.10738E-15-2.91761E-15
   23 7.62931E-16-7.62931E-16 2.91761E-15-2.76502E-15
   24 5.71864E-16-5.71864E-16 2.76502E-15-2.65065E-15
   25 3.76089E-16-3.76089E-16 2.65065E-15-2.57543E-15
   26 1.76042E-16-1.76042E-16 2.57543E-15-2.54022E-15
   27-2.78376E-17 2.78376E-17 2.54022E-15-2.54579E-15
   28-2.35103E-16 2.35103E-16 2.54579E-15-2.59281E-15
   29-4.45307E-16 4.45307E-16 2.59281E-15-2.68187E-15
   30-6.57999E-16 6.57999E-16 2.68187E-15-2.81347E-15
   31-8.72732E-16 8.72732E-16 2.81347E-15-2.98802E-15
   32-1.08906E-15 1.08906E-15 2.98802E-15-3.20583E-15
   33 2.24617E-15-2.24617E-15 3.20583E-15-2.75660E-15
   34 2.02797E-15-2.02797E-15 2.75660E-15-2.35100E-15
   35 1.80947E-15-1.80947E-15 2.35100E-15-1.98911E-15
   36 1.59109E-15-1.59109E-15 1.98911E-15-1.67089E-15
   37 1.37323E-15-1.37323E-15 1.67089E-15-1.39625E-15
   38 1.15629E-15-1.15629E-15 1.39625E-15-1.16499E-15
   39 9.40648E-16-9.40648E-16 1.16499E-15-9.76860E-16
   40-2.82605E-15 2.82605E-15 9.76860E-16-1.54207E-15
   41 5.14693E-16-5.14693E-16 1.54207E-15-1.43913E-15
   42 3.05070E-16-3.05070E-16 1.43913E-15-1.37812E-15
   43 3.65083E-15-3.65083E-15 1.37812E-15-6.47951E-16
   44-1.05865E-16 1.05865E-16 6.47951E-16-6.69124E-16
   45-3.06582E-16 3.06582E-16 6.69124E-16-7.30440E-16
   46-5.03762E-16 5.03762E-16 7.30440E-16-8.31193E-16
   47-6.97147E-16 6.97147E-16 8.31193E-16-9.70622E-16
   48-8.86493E-16 8.86493E-16 9.70622E-16-1.14792E-15
   49-1.07158E-15 1.07158E-15 1.14792E-15-1.36223E-15
   50-1.25218E-15 1.25218E-15 1.36223E-15-1.61267E-15
   51-1.42811E-15 1.42811E-15 1.61267E-15-1.89830E-15
   52 1.95352E-15-1.95352E-15 1.89830E-15-1.50762E-15
   53 1.78746E-15-1.78746E-15 1.50762E-15-1.15012E-15
   54 1.62657E-15-1.62657E-15 1.15012E-15-8.24809E-16
   55 1.47100E-15-1.47100E-15 8.24809E-16-5.30610E-16
   56 1.32085E-15-1.32085E-15 5.30610E-16-2.66440E-16
   57 1.17625E-15-1.17625E-15 2.66440E-16-3.11907E-17
   58 1.03728E-15-1.03728E-15 3.11907E-17 1.76266E-16
   59 9.04047E-16-9.04047E-16-1.76266E-16 3.57075E-16
```

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   60 7.76611E-16-7.76611E-16-3.57075E-16 5.12398E-16
   61 6.55042E-16-6.55042E-16-5.12398E-16 6.43406E-16
   62 5.89185E-16-5.89185E-16-6.43406E-16 7.61243E-16
   63 5.26728E-16-5.26728E-16-7.61243E-16 8.66589E-16
   64 4.67697E-16-4.67697E-16-8.66589E-16 9.60128E-16
   65 4.12112E-16-4.12112E-16-9.60128E-16 1.04255E-15
   66 3.59990E-16-3.59990E-16-1.04255E-15 1.11455E-15
   67 3.11348E-16-3.11348E-16-1.11455E-15 1.17682E-15
   68-6.83923E-15 6.83923E-15-1.17682E-15-1.91028E-16
   69-6.88088E-15 6.88088E-15 1.91028E-16-1.56720E-15
   70 1.86417E-16-1.86417E-16 1.56720E-15-1.52992E-15
   71 1.51804E-16-1.51804E-16 1.52992E-15-1.49956E-15
   72 1.20720E-16-1.20720E-16 1.49956E-15-1.47542E-15
   73 9.31696E-17-9.31696E-17 1.47542E-15-1.45678E-15
   74 6.91589E-17-6.91589E-17 1.45678E-15-1.44295E-15
   75 7.15412E-15-7.15412E-15 1.44295E-15-1.21261E-17
   76 3.17702E-17-3.17702E-17 1.21261E-17-5.77212E-18
   77 1.83976E-17-1.83976E-17 5.77212E-18-2.09260E-18
   78 8.57518E-18-8.57518E-18 2.09260E-18-3.77560E-19
   79 2.30383E-18-2.30383E-18 3.77560E-19 8.32051E-20
   80-4.16004E-19 4.16004E-19-8.32051E-20 2.52435E-29

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1135E+06 RIMNOR=0.4432E-27
           RENORM= 303.6     REMNOR=0.3776E-52 RATIO =0.5173E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.58     RMMAX =0.3333E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1135E+06 RDR   =0.1000E-19
           RATIOT=0.5173E-01 RATIOR= 0.000
           MAX UN= 3.382     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.2505E-26 IEQ=    94 NODE     47 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1135E+06 RIMNOR=0.4432E-27
           RENORM= 11.46     REMNOR=0.3102E-21 RATIO =0.1005E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.58     RMMAX =0.3333E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1135E+06 RDR   =0.1000E-19
           RATIOT=0.1005E-01 RATIOR= 0.000
           MAX UN= 1.665     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2488E-10 IEQ=    79 NODE     40 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1135E+06 RIMNOR=0.4432E-27
           RENORM= 7.179     REMNOR=0.6349E-21 RATIO =0.7955E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.58     RMMAX =0.3333E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1135E+06 RDR   =0.1000E-19
           RATIOT=0.7955E-02 RATIOR= 0.000
           MAX UN= 1.732     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.9500E-10 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1135E+06 RIMNOR=0.4432E-27
           RENORM=0.3602     REMNOR=0.3022E-21 RATIO =0.1782E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.58     RMMAX =0.3333E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1135E+06 RDR   =0.1000E-19
           RATIOT=0.1782E-02 RATIOR= 0.000
           MAX UN=0.5428     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1196E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1135E+06 RIMNOR=0.4432E-27
           RENORM=0.1134E-02 REMNOR=0.4747E-21 RATIO =0.9996E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.58     RMMAX =0.3333E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1135E+06 RDR   =0.1000E-19
           RATIOT=0.9996E-04 RATIOR= 0.000
           MAX UN=0.3367E-01 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
           MIN UN=-.1009E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.2608626E-04  -6.3090580E-05
    2   3.1346814E-04  -6.3090580E-05
    3   3.0085049E-04  -6.3083600E-05
    4   2.8823656E-04  -6.3048665E-05
    5   2.7563522E-04  -6.2950732E-05
    6   2.6306375E-04  -6.2740611E-05
    7   2.5055068E-04  -6.2354927E-05
    8   2.3813583E-04  -6.1758492E-05
    9   2.2586126E-04  -6.0952510E-05
   10   2.1376858E-04  -5.9940140E-05
   11   2.0189863E-04  -5.8726335E-05
   12   1.9029104E-04  -5.7317752E-05
   13   1.7898397E-04  -5.5722601E-05
   14   1.6801377E-04  -5.3950756E-05
   15   1.5741467E-04  -5.2013784E-05
   16   1.4721839E-04  -4.9924887E-05
   17   1.3745380E-04  -4.7698947E-05
   18   1.2814678E-04  -4.5352709E-05
   19   1.1931950E-04  -4.2904777E-05
   20   1.1099028E-04  -4.0375650E-05
   21   1.0317319E-04  -3.7787867E-05
   22   9.5877447E-05  -3.5166024E-05
   23   8.9107267E-05  -3.2536869E-05
   24   8.2861223E-05  -2.9929861E-05
   25   7.7131950E-05  -2.7373453E-05
   26   7.1906909E-05  -2.4891027E-05
   27   6.7169377E-05  -2.2501384E-05
   28   6.2899219E-05  -2.0219157E-05
   29   5.9073821E-05  -1.8055330E-05
   30   5.5668679E-05  -1.6017618E-05
   31   5.2658042E-05  -1.4110878E-05
   32   5.0015450E-05  -1.2337505E-05
   33   4.7714146E-05  -1.0697745E-05
   34   4.5727546E-05  -9.1900651E-06
   35   4.4029531E-05  -7.8112093E-06
   36   4.2594796E-05  -6.5563526E-06
   37   4.1399134E-05  -5.4194308E-06
   38   4.0419636E-05  -4.3934157E-06
   39   3.9634886E-05  -3.4706174E-06
   40   3.9025050E-05  -2.6429024E-06
   41   3.8571945E-05  -1.9018906E-06
   42   3.8259080E-05  -1.2390811E-06
   43   3.8071665E-05  -6.4598311E-07
   44   3.7996594E-05  -1.1427579E-07
   45   3.8022396E-05   3.6404776E-07
   46   3.8139159E-05   7.9656189E-07
   47   3.8338434E-05   1.1902793E-06
   48   3.8613109E-05   1.5515572E-06
   49   3.8957268E-05   1.8860001E-06
   50   3.9366035E-05   2.1983718E-06
   51   3.9835400E-05   2.4925210E-06
   52   4.0362032E-05   2.7713045E-06
   53   4.0942998E-05   3.0364818E-06
   54   4.1575735E-05   3.2887413E-06
   55   4.2257597E-05   3.5275292E-06
   56   4.2985729E-05   3.7510497E-06
   57   4.3756791E-05   3.9561943E-06
   58   4.4566684E-05   4.1384887E-06
   59   4.5410271E-05   4.2920437E-06
   60   4.6281095E-05   4.4095117E-06
   61   4.7171080E-05   4.4820507E-06
   62   4.8070229E-05   4.4992961E-06
   63   4.8967148E-05   4.4617849E-06
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64	4.9852071E-05	4.3811839E-06
65	5.0717456E-05	4.2680875E-06
66	5.1557775E-05	4.1320287E-06
67	5.2369302E-05	3.9814943E-06
68	5.3149905E-05	3.8239437E-06
69	5.3898842E-05	3.6658291E-06
70	5.4616563E-05	3.5126175E-06
71	5.5304516E-05	3.3688119E-06
72	5.5964952E-05	3.2379724E-06
73	5.6600745E-05	3.1227360E-06
74	5.7215203E-05	3.0248344E-06
75	5.7811891E-05	2.9451100E-06
76	5.8394456E-05	2.8835291E-06
77	5.8966452E-05	2.8391931E-06
78	5.9531166E-05	2.8103471E-06
79	6.0091450E-05	2.7943858E-06
80	6.0649549E-05	2.7878578E-06
81	6.1206963E-05	2.7864678E-06

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.2609E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4904     -3.1347E-04   2.074      0.5164       2.074       1.690          ACTIVE   0.000      -0.2000       1.935
1.000       1.000       2.452       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9831     -3.0085E-04   4.195       1.044       4.195       3.281          ACTIVE   0.000      -0.4000       3.871
1.000       1.000       4.915       0.000       0.000     Ug5_2_8_L_0
   4 D   1.479     -2.8824E-04   6.376       1.588       6.376       4.727          ACTIVE   0.000      -0.6000       5.806
1.000       1.000       7.394       0.000       0.000     Ug5_2_8_L_0
   5 D   1.977     -2.7564E-04   8.601       2.142       8.601       6.034          ACTIVE   0.000      -0.8000       7.742
1.000       1.000       9.884       0.000       0.000     Ug5_2_8_L_0
   6 D   2.476     -2.6306E-04   10.85       2.701       10.85       7.235          ACTIVE   0.000       -1.000       9.677
1.000       1.000       12.38       0.000       0.000     Ug5_2_8_L_0
   7 D   2.975     -2.5055E-04   13.09       3.260       13.09       8.362          ACTIVE   0.000       -1.200       11.61
1.000       1.000       14.87       0.000       0.000     Ug5_2_8_L_0
   8 D   3.480     -2.3814E-04   15.46       3.850       15.46       9.440          ACTIVE   0.000       -1.400       13.55
1.000       1.000       17.40       0.000       0.000     Ug5_2_8_L_0
   9 D   3.987     -2.2586E-04   17.87       4.450       17.87       10.49          ACTIVE   0.000       -1.600       15.48
1.000       1.000       19.93       0.000       0.000     Ug5_2_8_L_0
  10 D   4.482     -2.1377E-04   20.04       4.990       20.04       11.51          ACTIVE   0.000       -1.800       17.42
1.000       1.000       22.41       0.000       0.000     Ug5_2_8_L_0
  11 D   4.984     -2.0190E-04   22.36       5.567       22.36       12.52          ACTIVE   0.000       -2.000       19.35
1.000       1.000       24.92       0.000       0.000     Ug5_2_8_L_0
  12 D   5.485     -1.9029E-04   24.64       6.135       24.64       13.53          ACTIVE   0.000       -2.200       21.29
1.000       1.000       27.42       0.000       0.000     Ug5_2_8_L_0
  13 D   5.977     -1.7898E-04   26.75       6.660       26.75       14.52          ACTIVE   0.000       -2.400       23.23
1.000       1.000       29.89       0.000       0.000     Ug5_2_8_L_0
  14 D   6.475     -1.6801E-04   28.98       7.216       28.98       15.52          ACTIVE   0.000       -2.600       25.16
1.000       1.000       32.38       0.000       0.000     Ug5_2_8_L_0
  15 D   6.973     -1.5741E-04   31.19       7.767       31.19       16.51          ACTIVE   0.000       -2.800       27.10
1.000       1.000       34.86       0.000       0.000     Ug5_2_8_L_0
  16 D   7.469     -1.4722E-04   33.39       8.313       33.39       17.49          ACTIVE   0.000       -3.000       29.03
1.000       1.000       37.35       0.000       0.000     Ug5_2_8_L_0
  17 D   7.960     -1.3745E-04   35.46       8.830       35.46       18.48          ACTIVE   0.000       -3.200       30.97
1.000       1.000       39.80       0.000       0.000     Ug5_2_8_L_0
  18 D   8.455     -1.2815E-04   37.64       9.372       37.64       19.47          ACTIVE   0.000       -3.400       32.90
1.000       1.000       42.28       0.000       0.000     Ug5_2_8_L_0
  19 D   8.950     -1.1932E-04   39.80       9.910       39.80       20.46          ACTIVE   0.000       -3.600       34.84
1.000       1.000       44.75       0.000       0.000     Ug5_2_8_L_0
  20 D   9.440     -1.1099E-04   41.87       10.42       41.87       21.44          ACTIVE   0.000       -3.800       36.77
1.000       1.000       47.20       0.000       0.000     Ug5_2_8_L_0
  21 D   9.934     -1.0317E-04   44.02       10.96       44.02       22.43          ACTIVE   0.000       -4.000       38.71
1.000       1.000       49.67       0.000       0.000     Ug5_2_8_L_0
  22 D   10.43     -9.5877E-05   46.16       11.49       46.16       23.42          ACTIVE   0.000       -4.200       40.65
1.000       1.000       52.14       0.000       0.000     Ug5_2_8_L_0
  23 D   10.92     -8.9107E-05   48.22       12.01       48.22       24.40          ACTIVE   0.000       -4.400       42.58
1.000       1.000       54.59       0.000       0.000     Ug5_2_8_L_0
  24 D   11.64     -8.2861E-05   50.35       13.71       50.35       25.39           UL-RL  1.4103E+05  -4.600       44.52
1.000       1.000       58.22       0.000       0.000     Ug5_2_8_L_0
  25 D   12.39     -7.7132E-05   52.48       15.50       52.48       26.38           UL-RL  1.4103E+05  -4.800       46.45
1.000       1.000       61.96       0.000       0.000     Ug5_2_8_L_0
  26 D   13.12     -7.1907E-05   54.60       17.23       54.60       27.37           UL-RL  1.4103E+05  -5.000       48.39
1.000       1.000       65.62       0.000       0.000     Ug5_2_8_L_0
  27 D   13.84     -6.7169E-05   56.66       18.89       56.66       28.36           UL-RL  1.4103E+05  -5.200       50.32
1.000       1.000       69.21       0.000       0.000     Ug5_2_8_L_0
  28 D   14.55     -6.2899E-05   58.77       20.48       58.77       29.35           UL-RL  1.4103E+05  -5.400       52.26
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1.000	1.000	72.74	0.000	0.000	Ug5_2_8_L_0					
29 D	15.24	-5.9074E-05	60.89	22.01	60.89	30.34	UL-RL	1.4103E+05	-5.600	54.19
1.000	1.000	76.21	0.000	0.000	Ug5_2_8_L_0					
30 D	15.92	-5.5669E-05	62.94	23.49	62.94	31.34	UL-RL	1.4103E+05	-5.800	56.13
1.000	1.000	79.62	0.000	0.000	Ug5_2_8_L_0					
31 D	16.59	-5.2658E-05	65.05	24.91	65.05	32.33	UL-RL	1.4103E+05	-6.000	58.06
1.000	1.000	82.97	0.000	0.000	Ug5_2_8_L_0					
32 D	17.25	-5.0015E-05	67.16	26.27	67.16	33.33	UL-RL	1.4103E+05	-6.200	60.00
1.000	1.000	86.27	0.000	0.000	Ug5_2_8_L_0					
33 D	17.91	-4.7714E-05	69.21	27.59	69.21	34.32	UL-RL	1.4103E+05	-6.400	61.94
1.000	1.000	89.53	0.000	0.000	Ug5_2_8_L_0					
34 D	18.55	-4.5728E-05	71.31	28.87	71.31	35.32	UL-RL	1.4103E+05	-6.600	63.87
1.000	1.000	92.74	0.000	0.000	Ug5_2_8_L_0					
35 D	19.18	-4.4030E-05	73.41	30.11	73.41	36.32	UL-RL	1.4103E+05	-6.800	65.81
1.000	1.000	95.91	0.000	0.000	Ug5_2_8_L_0					
36 D	19.81	-4.2595E-05	75.51	31.31	75.51	37.31	UL-RL	1.4103E+05	-7.000	67.74
1.000	1.000	99.05	0.000	0.000	Ug5_2_8_L_0					
37 D	20.43	-4.1399E-05	77.56	32.47	77.56	38.31	UL-RL	1.4103E+05	-7.200	69.68
1.000	1.000	102.2	0.000	0.000	Ug5_2_8_L_0					
38 D	21.04	-4.0420E-05	79.66	33.61	79.66	39.31	UL-RL	1.4103E+05	-7.400	71.61
1.000	1.000	105.2	0.000	0.000	Ug5_2_8_L_0					
39 D	21.65	-3.9635E-05	81.76	34.72	81.76	40.31	UL-RL	1.4103E+05	-7.600	73.55
1.000	1.000	108.3	0.000	0.000	Ug5_2_8_L_0					
40 D	22.26	-3.9025E-05	83.81	35.81	83.81	41.31	UL-RL	1.4103E+05	-7.800	75.48
1.000	1.000	111.3	0.000	0.000	Ug5_2_8_L_0					
41 D	22.86	-3.8572E-05	85.90	36.88	85.90	42.32	UL-RL	1.4103E+05	-8.000	77.42
1.000	1.000	114.3	0.000	0.000	Ug5_2_8_L_0					
42 D	23.46	-3.8259E-05	87.99	37.92	87.99	43.32	UL-RL	1.4103E+05	-8.200	79.35
1.000	1.000	117.3	0.000	0.000	Ug5_2_8_L_0					
43 D	24.05	-3.8072E-05	90.04	38.95	90.04	44.32	UL-RL	1.4103E+05	-8.400	81.29
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0					
44 D	24.64	-3.7997E-05	92.14	39.97	92.14	45.33	UL-RL	1.4103E+05	-8.600	83.23
1.000	1.000	123.2	0.000	0.000	Ug5_2_8_L_0					
45 D	25.23	-3.8022E-05	94.22	40.97	94.22	46.33	UL-RL	1.4103E+05	-8.800	85.16
1.000	1.000	126.1	0.000	0.000	Ug5_2_8_L_0					
46 D	25.81	-3.8139E-05	96.31	41.96	96.31	47.34	UL-RL	1.4103E+05	-9.000	87.10
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0					
47 D	26.39	-3.8338E-05	98.36	42.94	98.36	48.35	UL-RL	1.4103E+05	-9.200	89.03
1.000	1.000	132.0	0.000	0.000	Ug5_2_8_L_0					
48 D	26.98	-3.8613E-05	100.5	43.91	100.5	49.36	UL-RL	1.4103E+05	-9.400	90.97
1.000	1.000	134.9	0.000	0.000	Ug5_2_8_L_0					
49 D	27.55	-3.8957E-05	102.5	44.87	102.5	50.36	UL-RL	1.4103E+05	-9.600	92.90
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0					
50 D	28.13	-3.9366E-05	104.6	45.82	104.6	51.37	UL-RL	1.4103E+05	-9.800	94.84
1.000	1.000	140.7	0.000	0.000	Ug5_2_8_L_0					
51 D	28.71	-3.9835E-05	106.7	46.77	106.7	52.38	UL-RL	1.4103E+05	-10.00	96.77
1.000	1.000	143.5	0.000	0.000	Ug5_2_8_L_0					
52 D	29.28	-4.0362E-05	108.8	47.70	108.8	53.39	UL-RL	1.4103E+05	-10.20	98.71
1.000	1.000	146.4	0.000	0.000	Ug5_2_8_L_0					
53 D	29.86	-4.0943E-05	110.8	48.63	110.8	54.40	UL-RL	1.4103E+05	-10.40	100.6
1.000	1.000	149.3	0.000	0.000	Ug5_2_8_L_0					
54 D	30.43	-4.1576E-05	112.9	49.55	112.9	55.42	UL-RL	1.4103E+05	-10.60	102.6
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0					
55 D	31.00	-4.2258E-05	115.0	50.47	115.0	56.43	UL-RL	1.4103E+05	-10.80	104.5
1.000	1.000	155.0	0.000	0.000	Ug5_2_8_L_0					
56 D	31.57	-4.2986E-05	117.1	51.38	117.1	57.44	UL-RL	1.4103E+05	-11.00	106.5
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0					
57 D	32.13	-4.3757E-05	119.1	52.29	119.1	58.46	UL-RL	1.4103E+05	-11.20	108.4
1.000	1.000	160.7	0.000	0.000	Ug5_2_8_L_0					
58 D	32.70	-4.4567E-05	121.2	53.19	121.2	59.47	UL-RL	1.4103E+05	-11.40	110.3
1.000	1.000	163.5	0.000	0.000	Ug5_2_8_L_0					
59 D	33.27	-4.5410E-05	123.3	54.08	123.3	60.48	UL-RL	1.4103E+05	-11.60	112.3
1.000	1.000	166.3	0.000	0.000	Ug5_2_8_L_0					
60 D	33.83	-4.6281E-05	125.3	54.97	125.3	61.50	UL-RL	1.4103E+05	-11.80	114.2
1.000	1.000	169.2	0.000	0.000	Ug5_2_8_L_0					
61 D	34.40	-4.7171E-05	127.4	55.86	127.4	62.52	UL-RL	1.4103E+05	-12.00	116.1
1.000	1.000	172.0	0.000	0.000	Ug5_2_8_L_0					
62 D	35.65	-4.8070E-05	129.3	60.19	129.3	63.43	UL-RL	6.7514E+04	-12.20	118.1
1.000	1.000	178.3	0.000	0.000	Ug6_741_743_L_0					
63 D	36.21	-4.8967E-05	131.2	61.04	131.2	64.35	UL-RL	6.7514E+04	-12.40	120.0
1.000	1.000	181.0	0.000	0.000	Ug6_741_743_L_0					
64 D	36.77	-4.9852E-05	133.0	61.90	133.0	65.27	UL-RL	6.7514E+04	-12.60	121.9
1.000	1.000	183.8	0.000	0.000	Ug6_741_743_L_0					
65 D	37.33	-5.0717E-05	134.9	62.76	134.9	66.18	UL-RL	6.7514E+04	-12.80	123.9
1.000	1.000	186.6	0.000	0.000	Ug6_741_743_L_0					
66 D	37.89	-5.1558E-05	136.7	63.62	136.7	67.10	UL-RL	6.7514E+04	-13.00	125.8
1.000	1.000	189.4	0.000	0.000	Ug6_741_743_L_0					
67 D	38.45	-5.2369E-05	138.5	64.49	138.5	68.02	UL-RL	6.7514E+04	-13.20	127.7
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0					
68 D	39.01	-5.3150E-05	140.4	65.35	140.4	68.94	UL-RL	6.7514E+04	-13.40	129.7
1.000	1.000	195.0	0.000	0.000	Ug6_741_743_L_0					

69 D	39.57	-5.3899E-05	142.2	66.22	142.2	69.86	UL-RL	6.7514E+04	-13.60	131.6
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
70 D	40.13	-5.4617E-05	144.0	67.09	144.0	70.78	UL-RL	6.7514E+04	-13.80	133.5
1.000	1.000	200.6	0.000	0.000	Ug6_741_743_L_0					
71 D	40.69	-5.5305E-05	145.8	67.97	145.8	71.70	UL-RL	6.7514E+04	-14.00	135.5
1.000	1.000	203.4	0.000	0.000	Ug6_741_743_L_0					
72 D	41.25	-5.5965E-05	147.7	68.84	147.7	72.62	UL-RL	6.7514E+04	-14.20	137.4
1.000	1.000	206.3	0.000	0.000	Ug6_741_743_L_0					
73 D	41.81	-5.6601E-05	149.5	69.72	149.5	73.54	UL-RL	6.7514E+04	-14.40	139.4
1.000	1.000	209.1	0.000	0.000	Ug6_741_743_L_0					
74 D	42.38	-5.7215E-05	151.3	70.60	151.3	74.46	UL-RL	6.7514E+04	-14.60	141.3
1.000	1.000	211.9	0.000	0.000	Ug6_741_743_L_0					
75 D	42.94	-5.7812E-05	153.2	71.48	153.2	75.38	UL-RL	6.7514E+04	-14.80	143.2
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0					
76 D	43.51	-5.8394E-05	155.0	72.36	155.0	76.31	UL-RL	6.7514E+04	-15.00	145.2
1.000	1.000	217.5	0.000	0.000	Ug6_741_743_L_0					
77 D	44.07	-5.8966E-05	156.8	73.25	156.8	77.23	UL-RL	6.7514E+04	-15.20	147.1
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0					
78 D	44.63	-5.9531E-05	158.7	74.13	158.7	78.15	UL-RL	6.7514E+04	-15.40	149.0
1.000	1.000	223.2	0.000	0.000	Ug6_741_743_L_0					
79 D	45.20	-6.0091E-05	160.5	75.02	160.5	79.07	UL-RL	6.7514E+04	-15.60	151.0
1.000	1.000	226.0	0.000	0.000	Ug6_741_743_L_0					
80 D	45.76	-6.0650E-05	162.3	75.90	162.3	80.00	UL-RL	6.7514E+04	-15.80	152.9
1.000	1.000	228.8	0.000	0.000	Ug6_741_743_L_0					
81 D	23.16	-6.1207E-05	164.2	76.79	164.2	80.92	UL-RL	6.7514E+04	-16.00	154.8
1.000	1.000	231.6	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      2.6306E-04   0.000       0.000       10.00       7.074       PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.978      2.5055E-04   1.935       12.83       12.00       12.83           V-C  2.3371E+04  -1.200       2.065
1.000       1.000       14.89       0.000       0.000     Ug5_2_8_L_0
   8 D   3.560      2.3814E-04   3.871       13.67       14.00       13.67           V-C  2.3371E+04  -1.400       4.129
1.000       1.000       17.80       0.000       0.000     Ug5_2_8_L_0
   9 D   4.128      2.2586E-04   5.806       14.45       16.00       14.45           V-C  2.3371E+04  -1.600       6.194
1.000       1.000       20.64       0.000       0.000     Ug5_2_8_L_0
  10 D   4.689      2.1377E-04   7.742       15.18       18.00       15.18           V-C  2.3371E+04  -1.800       8.258
1.000       1.000       23.44       0.000       0.000     Ug5_2_8_L_0
  11 D   5.245      2.0190E-04   9.677       15.90       20.00       15.90           V-C  2.3371E+04  -2.000       10.32
1.000       1.000       26.23       0.000       0.000     Ug5_2_8_L_0
  12 D   5.801      1.9029E-04   11.61       16.62       22.00       16.62           V-C  2.3371E+04  -2.200       12.39
1.000       1.000       29.00       0.000       0.000     Ug5_2_8_L_0
  13 D   6.355      1.7898E-04   13.55       17.32       24.00       17.32           V-C  2.3371E+04  -2.400       14.45
1.000       1.000       31.78       0.000       0.000     Ug5_2_8_L_0
  14 D   6.910      1.6801E-04   15.48       18.03       26.00       18.03           V-C  2.3371E+04  -2.600       16.52
1.000       1.000       34.55       0.000       0.000     Ug5_2_8_L_0
  15 D   7.466      1.5741E-04   17.42       18.75       28.00       18.75           V-C  2.3371E+04  -2.800       18.58
1.000       1.000       37.33       0.000       0.000     Ug5_2_8_L_0
  16 D   8.023      1.4722E-04   19.35       19.47       30.00       19.47           V-C  2.3371E+04  -3.000       20.65
1.000       1.000       40.11       0.000       0.000     Ug5_2_8_L_0
  17 D   8.581      1.3745E-04   21.29       20.20       32.00       20.20           V-C  2.3371E+04  -3.200       22.71
1.000       1.000       42.91       0.000       0.000     Ug5_2_8_L_0
  18 D   9.141      1.2815E-04   23.23       20.93       34.00       20.93           V-C  2.3371E+04  -3.400       24.77
1.000       1.000       45.71       0.000       0.000     Ug5_2_8_L_0
  19 D   9.704      1.1932E-04   25.16       21.68       36.00       21.68           V-C  2.3371E+04  -3.600       26.84
1.000       1.000       48.52       0.000       0.000     Ug5_2_8_L_0
  20 D   10.27      1.1099E-04   27.10       22.44       38.00       22.44           V-C  2.3371E+04  -3.800       28.90
1.000       1.000       51.34       0.000       0.000     Ug5_2_8_L_0
  21 D   10.84      1.0317E-04   29.03       23.21       40.00       23.21           V-C  2.3371E+04  -4.000       30.97
1.000       1.000       54.18       0.000       0.000     Ug5_2_8_L_0
  22 D   11.40      9.5877E-05   30.97       23.99       42.00       23.99           V-C  2.3371E+04  -4.200       33.03
1.000       1.000       57.02       0.000       0.000     Ug5_2_8_L_0
  23 D   11.98      8.9107E-05   32.90       24.79       44.00       24.79           V-C  2.3371E+04  -4.400       35.10
1.000       1.000       59.88       0.000       0.000     Ug5_2_8_L_0
  24 D   12.55      8.2861E-05   34.84       25.59       46.00       25.59           V-C  2.3371E+04  -4.600       37.16
1.000       1.000       62.75       0.000       0.000     Ug5_2_8_L_0
  25 D   13.13      7.7132E-05   36.77       26.41       48.00       26.41           V-C  2.3371E+04  -4.800       39.23
1.000       1.000       65.64       0.000       0.000     Ug5_2_8_L_0
  26 D   13.71      7.1907E-05   38.71       27.24       50.00       27.24           V-C  2.3371E+04  -5.000       41.29
1.000       1.000       68.53       0.000       0.000     Ug5_2_8_L_0
  27 D   14.29      6.7169E-05   40.65       28.09       52.00       28.09           V-C  2.3371E+04  -5.200       43.35
1.000       1.000       71.44       0.000       0.000     Ug5_2_8_L_0
  28 D   14.87      6.2899E-05   42.58       28.94       54.00       28.94           V-C  2.3371E+04  -5.400       45.42
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1.000	1.000	74.36	0.000	0.000	Ug5_2_8_L_0						
29 D	15.46	5.9074E-05	44.52	29.81	56.00	29.81	V-C	2.3371E+04	-5.600	47.48	
1.000	1.000	77.29	0.000	0.000	Ug5_2_8_L_0						
30 D	16.05	5.5669E-05	46.45	30.69	58.00	30.69	V-C	2.3371E+04	-5.800	49.55	
1.000	1.000	80.24	0.000	0.000	Ug5_2_8_L_0						
31 D	16.64	5.2658E-05	48.39	31.57	60.00	31.57	V-C	2.3371E+04	-6.000	51.61	
1.000	1.000	83.19	0.000	0.000	Ug5_2_8_L_0						
32 D	17.23	5.0015E-05	50.32	32.47	62.00	32.47	V-C	2.3371E+04	-6.200	53.68	
1.000	1.000	86.15	0.000	0.000	Ug5_2_8_L_0						
33 D	17.82	4.7714E-05	52.26	33.37	64.00	33.38	UL-RL	7.0113E+04	-6.400	55.74	
1.000	1.000	89.11	0.000	0.000	Ug5_2_8_L_0						
34 D	18.40	4.5728E-05	54.19	34.21	66.00	34.33	UL-RL	7.0113E+04	-6.600	57.81	
1.000	1.000	92.02	0.000	0.000	Ug5_2_8_L_0						
35 D	18.99	4.4030E-05	56.13	35.07	68.00	35.28	UL-RL	7.0113E+04	-6.800	59.87	
1.000	1.000	94.94	0.000	0.000	Ug5_2_8_L_0						
36 D	19.58	4.2595E-05	58.06	35.95	70.00	36.23	UL-RL	7.0113E+04	-7.000	61.94	
1.000	1.000	97.89	0.000	0.000	Ug5_2_8_L_0						
37 D	20.17	4.1399E-05	60.00	36.85	72.00	37.19	UL-RL	7.0113E+04	-7.200	64.00	
1.000	1.000	100.8	0.000	0.000	Ug5_2_8_L_0						
38 D	20.76	4.0420E-05	61.94	37.76	74.00	38.14	UL-RL	7.0113E+04	-7.400	66.06	
1.000	1.000	103.8	0.000	0.000	Ug5_2_8_L_0						
39 D	21.36	3.9635E-05	63.87	38.69	76.00	39.10	UL-RL	7.0113E+04	-7.600	68.13	
1.000	1.000	106.8	0.000	0.000	Ug5_2_8_L_0						
40 D	21.96	3.9025E-05	65.81	39.61	78.00	40.06	UL-RL	7.0113E+04	-7.800	70.19	
1.000	1.000	109.8	0.000	0.000	Ug5_2_8_L_0						
41 D	22.56	3.8572E-05	67.74	40.54	80.00	41.03	UL-RL	7.0113E+04	-8.000	72.26	
1.000	1.000	112.8	0.000	0.000	Ug5_2_8_L_0						
42 D	23.16	3.8259E-05	69.68	41.47	82.00	42.00	UL-RL	7.0113E+04	-8.200	74.32	
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
43 D	23.76	3.8072E-05	71.61	42.42	84.00	42.97	UL-RL	7.0113E+04	-8.400	76.39	
1.000	1.000	118.8	0.000	0.000	Ug5_2_8_L_0						
44 D	24.36	3.7997E-05	73.55	43.37	86.00	43.94	UL-RL	7.0113E+04	-8.600	78.45	
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0						
45 D	24.97	3.8022E-05	75.48	44.33	88.00	44.91	UL-RL	7.0113E+04	-8.800	80.52	
1.000	1.000	124.8	0.000	0.000	Ug5_2_8_L_0						
46 D	25.58	3.8139E-05	77.42	45.30	90.00	45.89	UL-RL	7.0113E+04	-9.000	82.58	
1.000	1.000	127.9	0.000	0.000	Ug5_2_8_L_0						
47 D	26.18	3.8338E-05	79.35	46.27	92.00	46.86	UL-RL	7.0113E+04	-9.200	84.65	
1.000	1.000	130.9	0.000	0.000	Ug5_2_8_L_0						
48 D	26.79	3.8613E-05	81.29	47.25	94.00	47.84	UL-RL	7.0113E+04	-9.400	86.71	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
49 D	27.40	3.8957E-05	83.23	48.24	96.00	48.82	UL-RL	7.0113E+04	-9.600	88.77	
1.000	1.000	137.0	0.000	0.000	Ug5_2_8_L_0						
50 D	28.01	3.9366E-05	85.16	49.23	98.00	49.79	UL-RL	7.0113E+04	-9.800	90.84	
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0						
51 D	28.63	3.9835E-05	87.10	50.23	100.00	50.77	UL-RL	7.0113E+04	-10.00	92.90	
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0						
52 D	29.24	4.0362E-05	89.03	51.23	102.0	51.75	UL-RL	7.0113E+04	-10.20	94.97	
1.000	1.000	146.2	0.000	0.000	Ug5_2_8_L_0						
53 D	29.85	4.0943E-05	90.97	52.23	104.0	52.73	UL-RL	7.0113E+04	-10.40	97.03	
1.000	1.000	149.3	0.000	0.000	Ug5_2_8_L_0						
54 D	30.47	4.1576E-05	92.90	53.24	106.0	53.71	UL-RL	7.0113E+04	-10.60	99.10	
1.000	1.000	152.3	0.000	0.000	Ug5_2_8_L_0						
55 D	31.08	4.2258E-05	94.84	54.25	108.0	54.69	UL-RL	7.0113E+04	-10.80	101.2	
1.000	1.000	155.4	0.000	0.000	Ug5_2_8_L_0						
56 D	31.70	4.2986E-05	96.77	55.27	110.0	55.67	UL-RL	7.0113E+04	-11.00	103.2	
1.000	1.000	158.5	0.000	0.000	Ug5_2_8_L_0						
57 D	32.32	4.3757E-05	98.71	56.29	112.0	56.65	UL-RL	7.0113E+04	-11.20	105.3	
1.000	1.000	161.6	0.000	0.000	Ug5_2_8_L_0						
58 D	32.93	4.4567E-05	100.6	57.31	114.0	57.63	UL-RL	7.0113E+04	-11.40	107.4	
1.000	1.000	164.7	0.000	0.000	Ug5_2_8_L_0						
59 D	33.55	4.5410E-05	102.6	58.34	116.0	58.61	UL-RL	7.0113E+04	-11.60	109.4	
1.000	1.000	167.8	0.000	0.000	Ug5_2_8_L_0						
60 D	34.17	4.6281E-05	104.5	59.37	118.0	59.60	UL-RL	7.0113E+04	-11.80	111.5	
1.000	1.000	170.9	0.000	0.000	Ug5_2_8_L_0						
61 D	34.79	4.7171E-05	106.5	60.40	120.0	60.58	UL-RL	7.0113E+04	-12.00	113.5	
1.000	1.000	173.9	0.000	0.000	Ug5_2_8_L_0						
62 D	35.22	4.8070E-05	108.2	60.50	121.8	61.46	UL-RL	5.2723E+04	-12.20	115.6	
1.000	1.000	176.1	0.000	0.000	Ug6_741_743_L_0						
63 D	35.82	4.8967E-05	109.9	61.41	123.6	62.35	UL-RL	5.2723E+04	-12.40	117.7	
1.000	1.000	179.1	0.000	0.000	Ug6_741_743_L_0						
64 D	36.41	4.9852E-05	111.7	62.33	125.4	63.23	UL-RL	5.2723E+04	-12.60	119.7	
1.000	1.000	182.1	0.000	0.000	Ug6_741_743_L_0						
65 D	37.01	5.0717E-05	113.4	63.24	127.2	64.12	UL-RL	5.2723E+04	-12.80	121.8	
1.000	1.000	185.0	0.000	0.000	Ug6_741_743_L_0						
66 D	37.61	5.1558E-05	115.1	64.16	129.0	65.01	UL-RL	5.2723E+04	-13.00	123.9	
1.000	1.000	188.0	0.000	0.000	Ug6_741_743_L_0						
67 D	38.20	5.2369E-05	116.9	65.07	130.8	65.89	UL-RL	5.2723E+04	-13.20	125.9	
1.000	1.000	191.0	0.000	0.000	Ug6_741_743_L_0						
68 D	38.80	5.3150E-05	118.6	65.98	132.6	66.78	UL-RL	5.2723E+04	-13.40	128.0	
1.000	1.000	194.0	0.000	0.000	Ug6_741_743_L_0						

69 D	39.39	5.3899E-05	120.3	66.89	134.4	67.67	UL-RL	5.2723E+04	-13.60	130.1	
1.000	1.000	197.0	0.000	0.000	Ug6_741_743_L_0						
70 D	39.99	5.4617E-05	122.1	67.80	136.2	68.55	UL-RL	5.2723E+04	-13.80	132.1	
1.000	1.000	199.9	0.000	0.000	Ug6_741_743_L_0						
71 D	40.58	5.5305E-05	123.8	68.71	138.0	69.44	UL-RL	5.2723E+04	-14.00	134.2	
1.000	1.000	202.9	0.000	0.000	Ug6_741_743_L_0						
72 D	41.18	5.5965E-05	125.5	69.62	139.8	70.33	UL-RL	5.2723E+04	-14.20	136.3	
1.000	1.000	205.9	0.000	0.000	Ug6_741_743_L_0						
73 D	41.77	5.6601E-05	127.3	70.53	141.6	71.22	UL-RL	5.2723E+04	-14.40	138.3	
1.000	1.000	208.8	0.000	0.000	Ug6_741_743_L_0						
74 D	42.36	5.7215E-05	129.0	71.43	143.4	72.11	UL-RL	5.2723E+04	-14.60	140.4	
1.000	1.000	211.8	0.000	0.000	Ug6_741_743_L_0						
75 D	42.96	5.7812E-05	130.7	72.34	145.2	73.00	UL-RL	5.2723E+04	-14.80	142.5	
1.000	1.000	214.8	0.000	0.000	Ug6_741_743_L_0						
76 D	43.55	5.8394E-05	132.5	73.24	147.0	73.89	UL-RL	5.2723E+04	-15.00	144.5	
1.000	1.000	217.8	0.000	0.000	Ug6_741_743_L_0						
77 D	44.15	5.8966E-05	134.2	74.15	148.8	74.78	UL-RL	5.2723E+04	-15.20	146.6	
1.000	1.000	220.7	0.000	0.000	Ug6_741_743_L_0						
78 D	44.74	5.9531E-05	136.0	75.05	150.6	75.67	UL-RL	5.2723E+04	-15.40	148.6	
1.000	1.000	223.7	0.000	0.000	Ug6_741_743_L_0						
79 D	45.33	6.0091E-05	137.7	75.96	152.4	76.56	UL-RL	5.2723E+04	-15.60	150.7	
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0						
80 D	45.93	6.0650E-05	139.4	76.86	154.2	77.45	UL-RL	5.2723E+04	-15.80	152.8	
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0						
81 D	23.26	6.1207E-05	141.2	77.76	156.0	78.34	UL-RL	5.2723E+04	-16.00	154.8	
1.000	1.000	232.6	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-1.37135E-11 1.37135E-11-1.52589E-12-8.84981E-12
    2 0.49037    -0.49037     1.06493E-12 9.80749E-02
    3  1.4735     -1.4735    -9.80749E-02 0.39277
    4  2.9523     -2.9523    -0.39277     0.98322
    5  4.9290     -4.9290    -0.98322      1.9690
    6  7.4046     -7.4046     -1.9690      3.4499
    7  7.4008     -7.4008     -3.4499      4.9301
    8  7.3200     -7.3200     -4.9301      6.3941
    9  7.1789     -7.1789     -6.3941      7.8299
   10  6.9722     -6.9722     -7.8299      9.2243
   11  6.7111     -6.7111     -9.2243      10.567
   12  6.3955     -6.3955     -10.567      11.846
   13  6.0174     -6.0174     -11.846      13.049
   14  5.5829     -5.5829     -13.049      14.166
   15  5.0900     -5.0900     -14.166      15.184
   16  4.5366     -4.5366     -15.184      16.091
   17  3.9152     -3.9152     -16.091      16.874
   18  3.2289     -3.2289     -16.874      17.520
   19  2.4750     -2.4750     -17.520      18.015
   20  1.6465     -1.6465     -18.015      18.344
   21 0.74528    -0.74528     -18.344      18.493
   22-0.23158     0.23158     -18.493      18.447
   23 -1.3243      1.3243     -18.447      18.182
   24 -2.2304      2.2304     -18.182      17.736
   25 -2.9669      2.9669     -17.736      17.143
   26 -3.5503      3.5503     -17.143      16.433
   27 -3.9966      3.9966     -16.433      15.633
   28 -4.3211      4.3211     -15.633      14.769
   29 -4.5385      4.5385     -14.769      13.861
   30 -4.6625      4.6625     -13.861      12.929
   31 -4.7060      4.7060     -12.929      11.988
   32 -4.6812      4.6812     -11.988      11.051
   33 -4.5975      4.5975     -11.051      10.132
   34 -4.4526      4.4526     -10.132      9.2413
   35 -4.2585      4.2585     -9.2413      8.3896
   36 -4.0262      4.0262     -8.3896      7.5844
   37 -3.7655      3.7655     -7.5844      6.8313
   38 -3.4855      3.4855     -6.8313      6.1342
   39 -3.1942      3.1942     -6.1342      5.4954
   40 -2.8968      2.8968     -5.4954      4.9160
   41 -2.5969      2.5969     -4.9160      4.3966
   42 -2.3004      2.3004     -4.3966      3.9365
   43 -2.0124      2.0124     -3.9365      3.5341
   44 -1.7377      1.7377     -3.5341      3.1865
   45 -1.4806      1.4806     -3.1865      2.8904
   46 -1.2449      1.2449     -2.8904      2.6414
   47 -1.0340      1.0340     -2.6414      2.4346
   48-0.85117     0.85117     -2.4346      2.2644
   49-0.69925     0.69925     -2.2644      2.1245
   50-0.58100     0.58100     -2.1245      2.0083
   51-0.49894     0.49894     -2.0083      1.9085
   52-0.45550     0.45550     -1.9085      1.8174
   53-0.45294     0.45294     -1.8174      1.7269
   54-0.49345     0.49345     -1.7269      1.6282
   55-0.57910     0.57910     -1.6282      1.5123
   56-0.71182     0.71182     -1.5123      1.3700
   57-0.89343     0.89343     -1.3700      1.1913
   58 -1.1255      1.1255     -1.1913     0.96618
   59 -1.4096      1.4096    -0.96618     0.68426
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   60 -1.7467      1.7467    -0.68426     0.33492
   61 -2.1377      2.1377    -0.33492    -9.26198E-02
   62 -1.7090      1.7090     9.26198E-02-0.43442
   63 -1.3181      1.3181     0.43442    -0.69804
   64-0.96473     0.96473     0.69804    -0.89099
   65-0.64840     0.64840     0.89099     -1.0207
   66-0.36852     0.36852      1.0207     -1.0944
   67-0.12438     0.12438      1.0944     -1.1192
   68 8.47636E-02-8.47636E-02  1.1192     -1.1023
   69 0.25967    -0.25967      1.1023     -1.0504
   70 0.40110    -0.40110      1.0504    -0.97014
   71 0.50978    -0.50978     0.97014    -0.86818
   72 0.58635    -0.58635     0.86818    -0.75091
   73 0.63143    -0.63143     0.75091    -0.62462
   74 0.64553    -0.64553     0.62462    -0.49552
   75 0.62907    -0.62907     0.49552    -0.36970
   76 0.58240    -0.58240     0.36970    -0.25322
   77 0.50578    -0.50578     0.25322    -0.15207
   78 0.39938    -0.39938     0.15207    -7.21915E-02
   79 0.26332    -0.26332     7.21915E-02-1.95283E-02
   80 9.76369E-02-9.76369E-02 1.95283E-02 1.21592E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1230E+05
           RENORM= 368.5     REMNOR=0.4747E-21 RATIO =0.5937E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.22     RMMAX = 18.49
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1230E+05
           RATIOT=0.5937E-01 RATIOR= 0.000
           MAX UN= 5.177     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3441E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1230E+05
           RENORM= 83.90     REMNOR=0.1198E-20 RATIO =0.2833E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.22     RMMAX = 18.49
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1230E+05
           RATIOT=0.2833E-01 RATIOR= 0.000
           MAX UN= 2.693     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.3455E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1230E+05
           RENORM= 54.43     REMNOR=0.5024E-19 RATIO =0.2282E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.22     RMMAX = 18.49
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1230E+05
           RATIOT=0.2282E-01 RATIOR= 0.000
           MAX UN= 4.483     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.1667E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1230E+05
           RENORM= 1.698     REMNOR=0.1578E-19 RATIO =0.4030E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.22     RMMAX = 18.49
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1230E+05
           RATIOT=0.4030E-02 RATIOR= 0.000
           MAX UN= 1.129     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.6174E-09 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1230E+05
           RENORM=0.2846E-17 REMNOR=0.1138E-19 RATIO =0.5218E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 45.22     RMMAX = 18.49
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1230E+05
           RATIOT=0.5218E-11 RATIOR= 0.000
           MAX UN=0.7024E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.7165E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1178149E-03  -3.3657996E-04
    2   2.0504989E-03  -3.3657996E-04
    3   1.9831834E-03  -3.3657313E-04
    4   1.9158715E-03  -3.3653893E-04
    5   1.8485719E-03  -3.3644306E-04
    6   1.7813016E-03  -3.3623735E-04
    7   1.7140885E-03  -3.3585976E-04
    8   1.6469742E-03  -3.3523432E-04
    9   1.5800173E-03  -3.3427107E-04
   10   1.5132953E-03  -3.3286593E-04
   11   1.4469082E-03  -3.3090086E-04
   12   1.3809810E-03  -3.2824391E-04
   13   1.3156637E-03  -3.2479101E-04
   14   1.2511200E-03  -3.2050804E-04
   15   1.1875136E-03  -3.1542859E-04
   16   1.1249973E-03  -3.0961751E-04
   17   1.0637109E-03  -3.0313668E-04
   18   1.0037830E-03  -2.9604527E-04
   19   9.4532977E-04  -2.8839967E-04
   20   8.8845653E-04  -2.8025366E-04
   21   8.3325851E-04  -2.7165865E-04
   22   7.7982002E-04  -2.6266366E-04
   23   7.2821658E-04  -2.5331573E-04
   24   6.7851425E-04  -2.4365997E-04
   25   6.3077021E-04  -2.3373986E-04
   26   5.8503312E-04  -2.2359739E-04
   27   5.4134358E-04  -2.1327333E-04
   28   4.9973348E-04  -2.0280731E-04
   29   4.6022752E-04  -1.9223837E-04
   30   4.2284243E-04  -1.8160494E-04
   31   3.8758730E-04  -1.7094518E-04
   32   3.5446373E-04  -1.6029728E-04
   33   3.2346522E-04  -1.4969941E-04
   34   2.9457805E-04  -1.3919036E-04
   35   2.6778052E-04  -1.2880957E-04
   36   2.4304298E-04  -1.1859734E-04
   37   2.2032769E-04  -1.0859515E-04
   38   1.9958818E-04  -9.8845707E-05
   39   1.8076960E-04  -8.9393471E-05
   40   1.6380790E-04  -8.0284647E-05
   41   1.4862992E-04  -7.1563091E-05
   42   1.3515449E-04  -6.3264183E-05
   43   1.2329436E-04  -5.5413599E-05
   44   1.1295801E-04  -4.8028570E-05
   45   1.0405127E-04  -4.1119120E-05
   46   9.6478484E-05  -3.4688549E-05
   47   9.0144124E-05  -2.8733842E-05
   48   8.4953803E-05  -2.3246287E-05
   49   8.0815346E-05  -1.8212675E-05
   50   7.7639593E-05  -1.3616391E-05
   51   7.5340927E-05  -9.4383101E-06
   52   7.3837734E-05  -5.6577423E-06
   53   7.3052722E-05  -2.2536840E-06
   54   7.2912657E-05   7.9564637E-07
   55   7.3348697E-05   3.5107333E-06
   56   7.4295960E-05   5.9109645E-06
   57   7.5693265E-05   8.0139181E-06
   58   7.7482728E-05   9.8348916E-06
   59   7.9609263E-05   1.1386487E-05
   60   8.2020001E-05   1.2678254E-05
   61   8.4663655E-05   1.3716383E-05
   62   8.7489817E-05   1.4503453E-05
   63   9.0449590E-05   1.5058833E-05
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64	9.3500349E-05	1.5419190E-05
65	9.6606527E-05	1.5618459E-05
66	9.9739071E-05	1.5687809E-05
67	1.0287488E-04	1.5655621E-05
68	1.0599626E-04	1.5547483E-05
69	1.0909033E-04	1.5386204E-05
70	1.1214853E-04	1.5191821E-05
71	1.1516601E-04	1.4981629E-05
72	1.1814110E-04	1.4770202E-05
73	1.2107480E-04	1.4569423E-05
74	1.2397019E-04	1.4388507E-05
75	1.2683196E-04	1.4234030E-05
76	1.2966583E-04	1.4109950E-05
77	1.3247806E-04	1.4017629E-05
78	1.3527492E-04	1.3955843E-05
79	1.3806218E-04	1.3920799E-05
80	1.4084460E-04	1.3906141E-05
81	1.4362554E-04	1.3902953E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.1178E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4800     -2.0505E-03   2.143      0.5335       2.143       1.690          ACTIVE   0.000      -0.2000       1.867
1.000       1.000       2.400       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9624     -1.9832E-03   4.332       1.079       4.332       3.281          ACTIVE   0.000      -0.4000       3.733
1.000       1.000       4.812       0.000       0.000     Ug5_2_8_L_0
   4 D   1.448     -1.9159E-03   6.582       1.639       6.582       4.727          ACTIVE   0.000      -0.6000       5.600
1.000       1.000       7.239       0.000       0.000     Ug5_2_8_L_0
   5 D   1.935     -1.8486E-03   8.876       2.210       8.876       6.034          ACTIVE   0.000      -0.8000       7.467
1.000       1.000       9.677       0.000       0.000     Ug5_2_8_L_0
   6 D   2.424     -1.7813E-03   11.19       2.786       11.19       7.235          ACTIVE   0.000       -1.000       9.333
1.000       1.000       12.12       0.000       0.000     Ug5_2_8_L_0
   7 D   2.913     -1.7141E-03   13.50       3.363       13.50       8.362          ACTIVE   0.000       -1.200       11.20
1.000       1.000       14.56       0.000       0.000     Ug5_2_8_L_0
   8 D   3.407     -1.6470E-03   15.94       3.970       15.94       9.440          ACTIVE   0.000       -1.400       13.07
1.000       1.000       17.04       0.000       0.000     Ug5_2_8_L_0
   9 D   3.904     -1.5800E-03   18.42       4.587       18.42       10.49          ACTIVE   0.000       -1.600       14.93
1.000       1.000       19.52       0.000       0.000     Ug5_2_8_L_0
  10 D   4.389     -1.5133E-03   20.66       5.144       20.66       11.51          ACTIVE   0.000       -1.800       16.80
1.000       1.000       21.94       0.000       0.000     Ug5_2_8_L_0
  11 D   4.881     -1.4469E-03   23.05       5.739       23.05       12.52          ACTIVE   0.000       -2.000       18.67
1.000       1.000       24.41       0.000       0.000     Ug5_2_8_L_0
  12 D   5.371     -1.3810E-03   25.39       6.323       25.39       13.53          ACTIVE   0.000       -2.200       20.53
1.000       1.000       26.86       0.000       0.000     Ug5_2_8_L_0
  13 D   5.853     -1.3157E-03   27.57       6.866       27.57       14.52          ACTIVE   0.000       -2.400       22.40
1.000       1.000       29.27       0.000       0.000     Ug5_2_8_L_0
  14 D   6.341     -1.2511E-03   29.88       7.439       29.88       15.52          ACTIVE   0.000       -2.600       24.27
1.000       1.000       31.71       0.000       0.000     Ug5_2_8_L_0
  15 D   6.828     -1.1875E-03   32.16       8.007       32.16       16.51          ACTIVE   0.000       -2.800       26.13
1.000       1.000       34.14       0.000       0.000     Ug5_2_8_L_0
  16 D   7.314     -1.1250E-03   34.42       8.570       34.42       17.49          ACTIVE   0.000       -3.000       28.00
1.000       1.000       36.57       0.000       0.000     Ug5_2_8_L_0
  17 D   7.794     -1.0637E-03   36.56       9.105       36.56       18.48          ACTIVE   0.000       -3.200       29.87
1.000       1.000       38.97       0.000       0.000     Ug5_2_8_L_0
  18 D   8.279     -1.0038E-03   38.81       9.663       38.81       19.47          ACTIVE   0.000       -3.400       31.73
1.000       1.000       41.40       0.000       0.000     Ug5_2_8_L_0
  19 D   8.764     -9.4533E-04   41.04       10.22       41.04       20.46          ACTIVE   0.000       -3.600       33.60
1.000       1.000       43.82       0.000       0.000     Ug5_2_8_L_0
  20 D   9.243     -8.8846E-04   43.17       10.75       43.17       21.44          ACTIVE   0.000       -3.800       35.47
1.000       1.000       46.22       0.000       0.000     Ug5_2_8_L_0
  21 D   9.727     -8.3326E-04   45.39       11.30       45.39       22.43          ACTIVE   0.000       -4.000       37.33
1.000       1.000       48.64       0.000       0.000     Ug5_2_8_L_0
  22 D   10.21     -7.7982E-04   47.60       11.85       47.60       23.42          ACTIVE   0.000       -4.200       39.20
1.000       1.000       51.05       0.000       0.000     Ug5_2_8_L_0
  23 D   10.69     -7.2822E-04   49.73       12.38       49.73       24.40          ACTIVE   0.000       -4.400       41.07
1.000       1.000       53.45       0.000       0.000     Ug5_2_8_L_0
  24 D   11.17     -6.7851E-04   51.93       12.93       51.93       25.39          ACTIVE   0.000       -4.600       42.93
1.000       1.000       55.86       0.000       0.000     Ug5_2_8_L_0
  25 D   11.66     -6.3077E-04   54.13       13.48       54.13       26.38          ACTIVE   0.000       -4.800       44.80
1.000       1.000       58.28       0.000       0.000     Ug5_2_8_L_0
  26 D   12.14     -5.8503E-04   56.32       14.02       56.32       27.37          ACTIVE   0.000       -5.000       46.67
1.000       1.000       60.69       0.000       0.000     Ug5_2_8_L_0
  27 D   12.62     -5.4134E-04   58.45       14.55       58.45       28.36          ACTIVE   0.000       -5.200       48.53
1.000       1.000       63.09       0.000       0.000     Ug5_2_8_L_0
  28 D   13.10     -4.9973E-04   60.63       15.10       60.63       29.35          ACTIVE   0.000       -5.400       50.40
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1.000	1.000	65.50	0.000	0.000	Ug5_2_8_L_0						
29 D	13.58	-4.6023E-04	62.81	15.64	62.81	30.34	ACTIVE	0.000	-5.600	52.27	
1.000	1.000	67.91	0.000	0.000	Ug5_2_8_L_0						
30 D	14.06	-4.2284E-04	64.94	16.17	64.94	31.34	ACTIVE	0.000	-5.800	54.13	
1.000	1.000	70.30	0.000	0.000	Ug5_2_8_L_0						
31 D	14.54	-3.8759E-04	67.11	16.71	67.11	32.33	ACTIVE	0.000	-6.000	56.00	
1.000	1.000	72.71	0.000	0.000	Ug5_2_8_L_0						
32 D	15.02	-3.5446E-04	69.29	17.25	69.29	33.33	ACTIVE	0.000	-6.200	57.87	
1.000	1.000	75.12	0.000	0.000	Ug5_2_8_L_0						
33 D	15.50	-3.2347E-04	71.41	17.78	71.41	34.32	ACTIVE	0.000	-6.400	59.73	
1.000	1.000	77.51	0.000	0.000	Ug5_2_8_L_0						
34 D	15.98	-2.9458E-04	73.58	18.32	73.58	35.32	ACTIVE	0.000	-6.600	61.60	
1.000	1.000	79.92	0.000	0.000	Ug5_2_8_L_0						
35 D	16.47	-2.6778E-04	75.75	18.86	75.75	36.32	ACTIVE	0.000	-6.800	63.47	
1.000	1.000	82.33	0.000	0.000	Ug5_2_8_L_0						
36 D	16.95	-2.4304E-04	77.92	19.40	77.92	37.31	ACTIVE	0.000	-7.000	65.33	
1.000	1.000	84.74	0.000	0.000	Ug5_2_8_L_0						
37 D	17.43	-2.2033E-04	80.04	19.93	80.04	38.31	ACTIVE	0.000	-7.200	67.20	
1.000	1.000	87.13	0.000	0.000	Ug5_2_8_L_0						
38 D	17.91	-1.9959E-04	82.21	20.47	82.21	39.31	ACTIVE	0.000	-7.400	69.07	
1.000	1.000	89.54	0.000	0.000	Ug5_2_8_L_0						
39 D	18.39	-1.8077E-04	84.37	21.01	84.37	40.31	ACTIVE	0.000	-7.600	70.93	
1.000	1.000	91.94	0.000	0.000	Ug5_2_8_L_0						
40 D	19.17	-1.6381E-04	86.49	23.07	86.49	41.31	UL-RL	1.1282E+05	-7.800	72.80	
1.000	1.000	95.87	0.000	0.000	Ug5_2_8_L_0						
41 D	20.10	-1.4863E-04	88.65	25.84	88.65	42.32	UL-RL	1.1282E+05	-8.000	74.67	
1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0						
42 D	20.99	-1.3515E-04	90.82	28.40	90.82	43.32	UL-RL	1.1282E+05	-8.200	76.53	
1.000	1.000	104.9	0.000	0.000	Ug5_2_8_L_0						
43 D	21.84	-1.2329E-04	92.93	30.79	92.93	44.32	UL-RL	1.1282E+05	-8.400	78.40	
1.000	1.000	109.2	0.000	0.000	Ug5_2_8_L_0						
44 D	22.65	-1.1296E-04	95.09	32.99	95.09	45.33	UL-RL	1.1282E+05	-8.600	80.27	
1.000	1.000	113.3	0.000	0.000	Ug5_2_8_L_0						
45 D	23.43	-1.0405E-04	97.25	35.04	97.25	46.33	UL-RL	1.1282E+05	-8.800	82.13	
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0						
46 D	24.19	-9.6478E-05	99.41	36.93	99.41	47.34	UL-RL	1.1282E+05	-9.000	84.00	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
47 D	24.91	-9.0144E-05	101.5	38.68	101.5	48.35	UL-RL	1.1282E+05	-9.200	85.87	
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0						
48 D	25.61	-8.4954E-05	103.7	40.30	103.7	49.36	UL-RL	1.1282E+05	-9.400	87.73	
1.000	1.000	128.0	0.000	0.000	Ug5_2_8_L_0						
49 D	26.28	-8.0815E-05	105.8	41.80	105.8	50.36	UL-RL	1.1282E+05	-9.600	89.60	
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0						
50 D	26.93	-7.7640E-05	108.0	43.19	108.0	51.37	UL-RL	1.1282E+05	-9.800	91.47	
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
51 D	27.56	-7.5341E-05	110.1	44.48	110.1	52.38	UL-RL	1.1282E+05	-10.00	93.33	
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0						
52 D	28.18	-7.3838E-05	112.3	45.68	112.3	53.39	UL-RL	1.1282E+05	-10.20	95.20	
1.000	1.000	140.9	0.000	0.000	Ug5_2_8_L_0						
53 D	28.77	-7.3053E-05	114.4	46.80	114.4	54.40	UL-RL	1.1282E+05	-10.40	97.07	
1.000	1.000	143.9	0.000	0.000	Ug5_2_8_L_0						
54 D	29.35	-7.2913E-05	116.5	47.84	116.5	55.42	UL-RL	1.1282E+05	-10.60	98.93	
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0						
55 D	29.92	-7.3349E-05	118.7	48.82	118.7	56.43	UL-RL	1.1282E+05	-10.80	100.8	
1.000	1.000	149.6	0.000	0.000	Ug5_2_8_L_0						
56 D	30.48	-7.4296E-05	120.8	49.74	120.8	57.44	UL-RL	1.1282E+05	-11.00	102.7	
1.000	1.000	152.4	0.000	0.000	Ug5_2_8_L_0						
57 D	31.03	-7.5693E-05	123.0	50.61	123.0	58.46	UL-RL	1.1282E+05	-11.20	104.5	
1.000	1.000	155.1	0.000	0.000	Ug5_2_8_L_0						
58 D	31.57	-7.7483E-05	125.1	51.43	125.1	59.47	UL-RL	1.1282E+05	-11.40	106.4	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
59 D	32.10	-7.9609E-05	127.3	52.22	127.3	60.48	UL-RL	1.1282E+05	-11.60	108.3	
1.000	1.000	160.5	0.000	0.000	Ug5_2_8_L_0						
60 D	32.62	-8.2020E-05	129.4	52.97	129.4	61.50	UL-RL	1.1282E+05	-11.80	110.1	
1.000	1.000	163.1	0.000	0.000	Ug5_2_8_L_0						
61 D	33.14	-8.4664E-05	131.5	53.70	131.5	62.52	UL-RL	1.1282E+05	-12.00	112.0	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
62 D	34.80	-8.7490E-05	133.5	60.16	133.5	63.43	UL-RL	5.4011E+04	-12.20	113.9	
1.000	1.000	174.0	0.000	0.000	Ug6_741_743_L_0						
63 D	35.33	-9.0450E-05	135.4	60.94	135.4	64.35	UL-RL	5.4011E+04	-12.40	115.7	
1.000	1.000	176.7	0.000	0.000	Ug6_741_743_L_0						
64 D	35.86	-9.3500E-05	137.4	61.71	137.4	65.27	UL-RL	5.4011E+04	-12.60	117.6	
1.000	1.000	179.3	0.000	0.000	Ug6_741_743_L_0						
65 D	36.39	-9.6607E-05	139.3	62.48	139.3	66.18	UL-RL	5.4011E+04	-12.80	119.5	
1.000	1.000	182.0	0.000	0.000	Ug6_741_743_L_0						
66 D	36.92	-9.9739E-05	141.2	63.26	141.2	67.10	UL-RL	5.4011E+04	-13.00	121.3	
1.000	1.000	184.6	0.000	0.000	Ug6_741_743_L_0						
67 D	37.45	-1.0287E-04	143.1	64.03	143.1	68.02	UL-RL	5.4011E+04	-13.20	123.2	
1.000	1.000	187.2	0.000	0.000	Ug6_741_743_L_0						
68 D	37.97	-1.0600E-04	145.0	64.80	145.0	68.94	UL-RL	5.4011E+04	-13.40	125.1	
1.000	1.000	189.9	0.000	0.000	Ug6_741_743_L_0						

69 D	38.50	-1.0909E-04	146.9	65.58	146.9	69.86	UL-RL	5.4011E+04	-13.60	126.9
1.000	1.000	192.5	0.000	0.000	Ug6_741_743_L_0					
70 D	39.03	-1.1215E-04	148.8	66.36	148.8	70.78	UL-RL	5.4011E+04	-13.80	128.8
1.000	1.000	195.2	0.000	0.000	Ug6_741_743_L_0					
71 D	39.56	-1.1517E-04	150.7	67.14	150.7	71.70	UL-RL	5.4011E+04	-14.00	130.7
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
72 D	40.09	-1.1814E-04	152.6	67.93	152.6	72.62	UL-RL	5.4011E+04	-14.20	132.5
1.000	1.000	200.5	0.000	0.000	Ug6_741_743_L_0					
73 D	40.62	-1.2107E-04	154.5	68.72	154.5	73.54	UL-RL	5.4011E+04	-14.40	134.4
1.000	1.000	203.1	0.000	0.000	Ug6_741_743_L_0					
74 D	41.15	-1.2397E-04	156.4	69.51	156.4	74.46	UL-RL	5.4011E+04	-14.60	136.3
1.000	1.000	205.8	0.000	0.000	Ug6_741_743_L_0					
75 D	41.69	-1.2683E-04	158.3	70.30	158.3	75.38	UL-RL	5.4011E+04	-14.80	138.1
1.000	1.000	208.4	0.000	0.000	Ug6_741_743_L_0					
76 D	42.22	-1.2967E-04	160.2	71.10	160.2	76.31	UL-RL	5.4011E+04	-15.00	140.0
1.000	1.000	211.1	0.000	0.000	Ug6_741_743_L_0					
77 D	42.75	-1.3248E-04	162.1	71.89	162.1	77.23	UL-RL	5.4011E+04	-15.20	141.9
1.000	1.000	213.8	0.000	0.000	Ug6_741_743_L_0					
78 D	43.28	-1.3527E-04	164.0	72.69	164.0	78.15	UL-RL	5.4011E+04	-15.40	143.7
1.000	1.000	216.4	0.000	0.000	Ug6_741_743_L_0					
79 D	43.82	-1.3806E-04	165.9	73.49	165.9	79.07	UL-RL	5.4011E+04	-15.60	145.6
1.000	1.000	219.1	0.000	0.000	Ug6_741_743_L_0					
80 D	44.35	-1.4084E-04	167.8	74.29	167.8	80.00	UL-RL	5.4011E+04	-15.80	147.5
1.000	1.000	221.8	0.000	0.000	Ug6_741_743_L_0					
81 D	22.44	-1.4363E-04	169.7	75.09	169.7	80.92	UL-RL	5.4011E+04	-16.00	149.3
1.000	1.000	224.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.4469E-03   0.000       0.000       20.00       15.90         PASSIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.942      1.3810E-03   1.867       12.58       22.00       16.62         PASSIVE   0.000      -2.200       2.133
1.000       1.000       14.71       0.000       0.000     Ug5_2_8_L_0
  13 D   5.884      1.3157E-03   3.733       25.16       24.00       25.16         PASSIVE   0.000      -2.400       4.267
1.000       1.000       29.42       0.000       0.000     Ug5_2_8_L_0
  14 D   8.670      1.2511E-03   5.600       36.95       26.00       36.95             V-C  1.8697E+04  -2.600       6.400
1.000       1.000       43.35       0.000       0.000     Ug5_2_8_L_0
  15 D   9.054      1.1875E-03   7.467       36.74       28.00       36.74             V-C  1.8697E+04  -2.800       8.533
1.000       1.000       45.27       0.000       0.000     Ug5_2_8_L_0
  16 D   9.438      1.1250E-03   9.333       36.52       30.00       36.52             V-C  1.8697E+04  -3.000       10.67
1.000       1.000       47.19       0.000       0.000     Ug5_2_8_L_0
  17 D   9.824      1.0637E-03   11.20       36.32       32.00       36.32             V-C  1.8697E+04  -3.200       12.80
1.000       1.000       49.12       0.000       0.000     Ug5_2_8_L_0
  18 D   10.21      1.0038E-03   13.07       36.13       34.00       36.13             V-C  1.8697E+04  -3.400       14.93
1.000       1.000       51.07       0.000       0.000     Ug5_2_8_L_0
  19 D   10.61      9.4533E-04   14.93       35.97       36.00       35.97             V-C  1.8697E+04  -3.600       17.07
1.000       1.000       53.04       0.000       0.000     Ug5_2_8_L_0
  20 D   11.01      8.8846E-04   16.80       35.84       38.00       35.84             V-C  1.8697E+04  -3.800       19.20
1.000       1.000       55.04       0.000       0.000     Ug5_2_8_L_0
  21 D   11.41      8.3326E-04   18.67       35.73       40.00       35.73             V-C  1.8697E+04  -4.000       21.33
1.000       1.000       57.07       0.000       0.000     Ug5_2_8_L_0
  22 D   11.83      7.7982E-04   20.53       35.66       42.00       35.66             V-C  1.8697E+04  -4.200       23.47
1.000       1.000       59.13       0.000       0.000     Ug5_2_8_L_0
  23 D   12.25      7.2822E-04   22.40       35.63       44.00       35.63             V-C  1.8697E+04  -4.400       25.60
1.000       1.000       61.23       0.000       0.000     Ug5_2_8_L_0
  24 D   12.67      6.7851E-04   24.27       35.63       46.00       35.63             V-C  1.8697E+04  -4.600       27.73
1.000       1.000       63.36       0.000       0.000     Ug5_2_8_L_0
  25 D   13.11      6.3077E-04   26.13       35.66       48.00       35.66             V-C  1.8697E+04  -4.800       29.87
1.000       1.000       65.53       0.000       0.000     Ug5_2_8_L_0
  26 D   13.55      5.8503E-04   28.00       35.74       50.00       35.74             V-C  1.8697E+04  -5.000       32.00
1.000       1.000       67.74       0.000       0.000     Ug5_2_8_L_0
  27 D   14.00      5.4134E-04   29.87       35.86       52.00       35.86             V-C  1.8697E+04  -5.200       34.13
1.000       1.000       69.99       0.000       0.000     Ug5_2_8_L_0
  28 D   14.46      4.9973E-04   31.73       36.02       54.00       36.02             V-C  1.8697E+04  -5.400       36.27
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1.000	1.000	72.29	0.000	0.000	Ug5_2_8_L_0						
29 D	14.92	4.6023E-04	33.60	36.22	56.00	36.22	V-C	1.8697E+04	-5.600	38.40	
1.000	1.000	74.62	0.000	0.000	Ug5_2_8_L_0						
30 D	15.40	4.2284E-04	35.47	36.46	58.00	36.46	V-C	1.8697E+04	-5.800	40.53	
1.000	1.000	76.99	0.000	0.000	Ug5_2_8_L_0						
31 D	15.88	3.8759E-04	37.33	36.74	60.00	36.74	V-C	1.8697E+04	-6.000	42.67	
1.000	1.000	79.41	0.000	0.000	Ug5_2_8_L_0						
32 D	16.37	3.5446E-04	39.20	37.07	62.00	37.07	V-C	1.8697E+04	-6.200	44.80	
1.000	1.000	81.87	0.000	0.000	Ug5_2_8_L_0						
33 D	16.87	3.2347E-04	41.07	37.44	64.00	37.44	V-C	1.8697E+04	-6.400	46.93	
1.000	1.000	84.37	0.000	0.000	Ug5_2_8_L_0						
34 D	17.38	2.9458E-04	42.93	37.85	66.00	37.85	V-C	1.8697E+04	-6.600	49.07	
1.000	1.000	86.91	0.000	0.000	Ug5_2_8_L_0						
35 D	17.90	2.6778E-04	44.80	38.30	68.00	38.30	V-C	1.8697E+04	-6.800	51.20	
1.000	1.000	89.50	0.000	0.000	Ug5_2_8_L_0						
36 D	18.42	2.4304E-04	46.67	38.79	70.00	38.79	V-C	1.8697E+04	-7.000	53.33	
1.000	1.000	92.12	0.000	0.000	Ug5_2_8_L_0						
37 D	18.96	2.2033E-04	48.53	39.32	72.00	39.32	V-C	1.8697E+04	-7.200	55.47	
1.000	1.000	94.78	0.000	0.000	Ug5_2_8_L_0						
38 D	19.50	1.9959E-04	50.40	39.88	74.00	39.88	V-C	1.8697E+04	-7.400	57.60	
1.000	1.000	97.48	0.000	0.000	Ug5_2_8_L_0						
39 D	20.04	1.8077E-04	52.27	40.49	76.00	40.49	V-C	1.8697E+04	-7.600	59.73	
1.000	1.000	100.2	0.000	0.000	Ug5_2_8_L_0						
40 D	20.60	1.6381E-04	54.13	41.13	78.00	41.13	V-C	1.8697E+04	-7.800	61.87	
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0						
41 D	21.16	1.4863E-04	56.00	41.81	80.00	41.81	V-C	1.8697E+04	-8.000	64.00	
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0						
42 D	21.73	1.3515E-04	57.87	42.52	82.00	42.52	V-C	1.8697E+04	-8.200	66.13	
1.000	1.000	108.7	0.000	0.000	Ug5_2_8_L_0						
43 D	22.30	1.2329E-04	59.73	43.26	84.00	43.26	V-C	1.8697E+04	-8.400	68.27	
1.000	1.000	111.5	0.000	0.000	Ug5_2_8_L_0						
44 D	22.89	1.1296E-04	61.60	44.03	86.00	44.03	V-C	1.8697E+04	-8.600	70.40	
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0						
45 D	23.44	1.0405E-04	63.47	44.65	88.00	44.91	UL-RL	5.6090E+04	-8.800	72.53	
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0						
46 D	23.97	9.6478E-05	65.33	45.18	90.00	45.89	UL-RL	5.6090E+04	-9.000	74.67	
1.000	1.000	119.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.51	9.0144E-05	67.20	45.77	92.00	46.86	UL-RL	5.6090E+04	-9.200	76.80	
1.000	1.000	122.6	0.000	0.000	Ug5_2_8_L_0						
48 D	25.07	8.4954E-05	69.07	46.43	94.00	47.84	UL-RL	5.6090E+04	-9.400	78.93	
1.000	1.000	125.4	0.000	0.000	Ug5_2_8_L_0						
49 D	25.64	8.0815E-05	70.93	47.15	96.00	48.82	UL-RL	5.6090E+04	-9.600	81.07	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
50 D	26.23	7.7640E-05	72.80	47.93	98.00	49.79	UL-RL	5.6090E+04	-9.800	83.20	
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0						
51 D	26.82	7.5341E-05	74.67	48.76	100.00	50.77	UL-RL	5.6090E+04	-10.00	85.33	
1.000	1.000	134.1	0.000	0.000	Ug5_2_8_L_0						
52 D	27.42	7.3838E-05	76.53	49.63	102.0	51.75	UL-RL	5.6090E+04	-10.20	87.47	
1.000	1.000	137.1	0.000	0.000	Ug5_2_8_L_0						
53 D	28.03	7.3053E-05	78.40	50.55	104.0	52.73	UL-RL	5.6090E+04	-10.40	89.60	
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.65	7.2913E-05	80.27	51.50	106.0	53.71	UL-RL	5.6090E+04	-10.60	91.73	
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0						
55 D	29.27	7.3349E-05	82.13	52.49	108.0	54.69	UL-RL	5.6090E+04	-10.80	93.87	
1.000	1.000	146.4	0.000	0.000	Ug5_2_8_L_0						
56 D	29.90	7.4296E-05	84.00	53.50	110.0	55.67	UL-RL	5.6090E+04	-11.00	96.00	
1.000	1.000	149.5	0.000	0.000	Ug5_2_8_L_0						
57 D	30.54	7.5693E-05	85.87	54.54	112.0	56.65	UL-RL	5.6090E+04	-11.20	98.13	
1.000	1.000	152.7	0.000	0.000	Ug5_2_8_L_0						
58 D	31.17	7.7483E-05	87.73	55.61	114.0	57.63	UL-RL	5.6090E+04	-11.40	100.3	
1.000	1.000	155.9	0.000	0.000	Ug5_2_8_L_0						
59 D	31.82	7.9609E-05	89.60	56.69	116.0	58.61	UL-RL	5.6090E+04	-11.60	102.4	
1.000	1.000	159.1	0.000	0.000	Ug5_2_8_L_0						
60 D	32.46	8.2020E-05	91.47	57.79	118.0	59.60	UL-RL	5.6090E+04	-11.80	104.5	
1.000	1.000	162.3	0.000	0.000	Ug5_2_8_L_0						
61 D	33.11	8.4664E-05	93.33	58.91	120.0	60.58	UL-RL	5.6090E+04	-12.00	106.7	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
62 D	33.47	8.7490E-05	95.00	58.55	121.8	61.46	UL-RL	4.2179E+04	-12.20	108.8	
1.000	1.000	167.3	0.000	0.000	Ug6_741_743_L_0						
63 D	34.09	9.0450E-05	96.67	59.53	123.6	62.35	UL-RL	4.2179E+04	-12.40	110.9	
1.000	1.000	170.5	0.000	0.000	Ug6_741_743_L_0						
64 D	34.72	9.3500E-05	98.33	60.53	125.4	63.23	UL-RL	4.2179E+04	-12.60	113.1	
1.000	1.000	173.6	0.000	0.000	Ug6_741_743_L_0						
65 D	35.34	9.6607E-05	100.00	61.52	127.2	64.12	UL-RL	4.2179E+04	-12.80	115.2	
1.000	1.000	176.7	0.000	0.000	Ug6_741_743_L_0						
66 D	35.97	9.9739E-05	101.7	62.52	129.0	65.01	UL-RL	4.2179E+04	-13.00	117.3	
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0						
67 D	36.60	1.0287E-04	103.3	63.51	130.8	65.89	UL-RL	4.2179E+04	-13.20	119.5	
1.000	1.000	183.0	0.000	0.000	Ug6_741_743_L_0						
68 D	37.22	1.0600E-04	105.0	64.51	132.6	66.78	UL-RL	4.2179E+04	-13.40	121.6	
1.000	1.000	186.1	0.000	0.000	Ug6_741_743_L_0						

69 D	37.85	1.0909E-04	106.7	65.50	134.4	67.67	UL-RL	4.2179E+04	-13.60	123.7
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0					
70 D	38.47	1.1215E-04	108.3	66.50	136.2	68.55	UL-RL	4.2179E+04	-13.80	125.9
1.000	1.000	192.4	0.000	0.000	Ug6_741_743_L_0					
71 D	39.10	1.1517E-04	110.0	67.49	138.0	69.44	UL-RL	4.2179E+04	-14.00	128.0
1.000	1.000	195.5	0.000	0.000	Ug6_741_743_L_0					
72 D	39.72	1.1814E-04	111.7	68.48	139.8	70.33	UL-RL	4.2179E+04	-14.20	130.1
1.000	1.000	198.6	0.000	0.000	Ug6_741_743_L_0					
73 D	40.35	1.2107E-04	113.3	69.46	141.6	71.22	UL-RL	4.2179E+04	-14.40	132.3
1.000	1.000	201.7	0.000	0.000	Ug6_741_743_L_0					
74 D	40.97	1.2397E-04	115.0	70.45	143.4	72.11	UL-RL	4.2179E+04	-14.60	134.4
1.000	1.000	204.8	0.000	0.000	Ug6_741_743_L_0					
75 D	41.59	1.2683E-04	116.7	71.43	145.2	73.00	UL-RL	4.2179E+04	-14.80	136.5
1.000	1.000	208.0	0.000	0.000	Ug6_741_743_L_0					
76 D	42.22	1.2967E-04	118.3	72.42	147.0	73.89	UL-RL	4.2179E+04	-15.00	138.7
1.000	1.000	211.1	0.000	0.000	Ug6_741_743_L_0					
77 D	42.84	1.3248E-04	120.0	73.40	148.8	74.78	UL-RL	4.2179E+04	-15.20	140.8
1.000	1.000	214.2	0.000	0.000	Ug6_741_743_L_0					
78 D	43.46	1.3527E-04	121.7	74.38	150.6	75.67	UL-RL	4.2179E+04	-15.40	142.9
1.000	1.000	217.3	0.000	0.000	Ug6_741_743_L_0					
79 D	44.09	1.3806E-04	123.3	75.36	152.4	76.56	UL-RL	4.2179E+04	-15.60	145.1
1.000	1.000	220.4	0.000	0.000	Ug6_741_743_L_0					
80 D	44.71	1.4084E-04	125.0	76.35	154.2	77.45	UL-RL	4.2179E+04	-15.80	147.2
1.000	1.000	223.5	0.000	0.000	Ug6_741_743_L_0					
81 D	22.67	1.4363E-04	126.7	77.33	156.0	78.34	UL-RL	4.2179E+04	-16.00	149.3
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0					

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                   :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-4.34397E-10 4.34397E-10-4.35705E-11-2.58638E-11
    2 0.48004    -0.48004    -4.16476E-11 9.60077E-02
    3  1.4424     -1.4424    -9.60077E-02 0.38450
    4  2.8902     -2.8902    -0.38450     0.96254
    5  4.8256     -4.8256    -0.96254      1.9277
    6  7.2495     -7.2495     -1.9277      3.3776
    7  10.162     -10.162      -3.3776     5.4100
    8  13.569     -13.569      -5.4100     8.1239
    9  17.473     -17.473      -8.1239     11.619
   10  21.862     -21.862      -11.619     15.991
   11  26.743     -26.743      -15.991     21.340
   12  29.172     -29.172      -21.340     27.174
   13  29.141     -29.141      -27.174     33.002
   14  26.812     -26.812      -33.002     38.365
   15  24.586     -24.586      -38.365     43.282
   16  22.462     -22.462      -43.282     47.775
   17  20.433     -20.433      -47.775     51.861
   18  18.499     -18.499      -51.861     55.561
   19  16.655     -16.655      -55.561     58.892
   20  14.891     -14.891      -58.892     61.870
   21  13.205     -13.205      -61.870     64.511
   22  11.590     -11.590      -64.511     66.829
   23  10.035     -10.035      -66.829     68.836
   24  8.5359     -8.5359      -68.836     70.543
   25  7.0855     -7.0855      -70.543     71.960
   26  5.6753     -5.6753      -71.960     73.095
   27  4.2939     -4.2939      -73.095     73.954
   28  2.9363     -2.9363      -73.954     74.541
   29  1.5940     -1.5940      -74.541     74.860
   30 0.25562    -0.25562      -74.860     74.911
   31 -1.0844      1.0844      -74.911     74.694
   32 -2.4345      2.4345      -74.694     74.208
   33 -3.8058      3.8058      -74.208     73.446
   34 -5.2041      5.2041      -73.446     72.406
   35 -6.6375      6.6375      -72.406     71.078
   36 -8.1143      8.1143      -71.078     69.455
   37 -9.6448      9.6448      -69.455     67.526
   38 -11.234      11.234      -67.526     65.279
   39 -12.891      12.891      -65.279     62.701
   40 -14.315      14.315      -62.701     59.838
   41 -15.376      15.376      -59.838     56.763
   42 -16.119      16.119      -56.763     53.539
   43 -16.587      16.587      -53.539     50.222
   44 -16.821      16.821      -50.222     46.858
   45 -16.824      16.824      -46.858     43.493
   46 -16.606      16.606      -43.493     40.172
   47 -16.212      16.212      -40.172     36.929
   48 -15.678      15.678      -36.929     33.794
   49 -15.043      15.043      -33.794     30.785
   50 -14.338      14.338      -30.785     27.918
   51 -13.594      13.594      -27.918     25.199
   52 -12.838      12.838      -25.199     22.631
   53 -12.095      12.095      -22.631     20.212
   54 -11.386      11.386      -20.212     17.935
   55 -10.733      10.733      -17.935     15.789
   56 -10.151      10.151      -15.789     13.758
   57 -9.6580      9.6580      -13.758     11.827
   58 -9.2660      9.2660      -11.827     9.9735
   59 -8.9872      8.9872      -9.9735     8.1761
```

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   60 -8.8311      8.8311     -8.1761      6.4098
   61 -8.8060      8.8060     -6.4098      4.6486
   62 -7.4705      7.4705     -4.6486      3.1545
   63 -6.2301      6.2301     -3.1545      1.9085
   64 -5.0864      5.0864     -1.9085     0.89124
   65 -4.0405      4.0405    -0.89124     8.31392E-02
   66 -3.0927      3.0927    -8.31392E-02-0.53539
   67 -2.2428      2.2428     0.53539    -0.98395
   68 -1.4905      1.4905     0.98395     -1.2821
   69-0.83503     0.83503      1.2821     -1.4491
   70-0.27557     0.27557      1.4491     -1.5042
   71 0.18883    -0.18883      1.5042     -1.4664
   72 0.55914    -0.55914      1.4664     -1.3546
   73 0.83628    -0.83628      1.3546     -1.1873
   74  1.0211     -1.0211      1.1873    -0.98310
   75  1.1144     -1.1144     0.98310    -0.76023
   76  1.1167     -1.1167     0.76023    -0.53690
   77  1.0285     -1.0285     0.53690    -0.33120
   78 0.85017    -0.85017     0.33120    -0.16117
   79 0.58194    -0.58194     0.16117    -4.47825E-02
   80 0.22390    -0.22390     4.47825E-02-1.69953E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1172E+06 RIMNOR=0.2836E+06
           RENORM= 614.3     REMNOR=0.1138E-19 RATIO =0.7239E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.77     RMMAX = 74.91
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1172E+06 RDR   =0.2836E+06
           RATIOT=0.7239E-01 RATIOR= 0.000
           MAX UN= 9.327     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7356E-01 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1172E+06 RIMNOR=0.2836E+06
           RENORM= 166.3     REMNOR=0.1121E-19 RATIO =0.3766E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.77     RMMAX = 74.91
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1172E+06 RDR   =0.2836E+06
           RATIOT=0.3766E-01 RATIOR= 0.000
           MAX UN= 2.531     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.3693E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1172E+06 RIMNOR=0.2836E+06
           RENORM= 90.97     REMNOR=0.5497E-18 RATIO =0.2786E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.77     RMMAX = 74.91
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1172E+06 RDR   =0.2836E+06
           RATIOT=0.2786E-01 RATIOR= 0.000
           MAX UN= 5.192     IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           MIN UN=-.2764E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1172E+06 RIMNOR=0.2836E+06
           RENORM= 1.910     REMNOR=0.1317E-18 RATIO =0.4036E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.77     RMMAX = 74.91
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1172E+06 RDR   =0.2836E+06
           RATIOT=0.4036E-02 RATIOR= 0.000
           MAX UN= 1.254     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.2460E-08 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1172E+06 RIMNOR=0.2836E+06
           RENORM=0.2673E-16 REMNOR=0.1331E-18 RATIO =0.1510E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.77     RMMAX = 74.91
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1172E+06 RDR   =0.2836E+06
           RATIOT=0.1510E-10 RATIOR= 0.000
           MAX UN=0.2045E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.2433E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.3578806E-03  -9.7833506E-04
    2   7.1622136E-03  -9.7833506E-04
    3   6.9665471E-03  -9.7832838E-04
    4   6.7708841E-03  -9.7829497E-04
    5   6.5752331E-03  -9.7820130E-04
    6   6.3796107E-03  -9.7800031E-04
    7   6.1840442E-03  -9.7763137E-04
    8   5.9885743E-03  -9.7702024E-04
    9   5.7932581E-03  -9.7607901E-04
   10   5.5981715E-03  -9.7470596E-04
   11   5.4034122E-03  -9.7278571E-04
   12   5.2091023E-03  -9.7018931E-04
   13   5.0153910E-03  -9.6677412E-04
   14   4.8224576E-03  -9.6238398E-04
   15   4.6305138E-03  -9.5684923E-04
   16   4.4398064E-03  -9.4998668E-04
   17   4.2506198E-03  -9.4159951E-04
   18   4.0632786E-03  -9.3151832E-04
   19   3.8781322E-03  -9.1964149E-04
   20   3.6955440E-03  -9.0593532E-04
   21   3.5158786E-03  -8.9043413E-04
   22   3.3394841E-03  -8.7323999E-04
   23   3.1666853E-03  -8.5450522E-04
   24   2.9977738E-03  -8.3439345E-04
   25   2.8330094E-03  -8.1305907E-04
   26   2.6726220E-03  -7.9064747E-04
   27   2.5168139E-03  -7.6729551E-04
   28   2.3657587E-03  -7.4313152E-04
   29   2.2196074E-03  -7.1827636E-04
   30   2.0784867E-03  -6.9284336E-04
   31   1.9425015E-03  -6.6693890E-04
   32   1.8117365E-03  -6.4066298E-04
   33   1.6862555E-03  -6.1410907E-04
   34   1.5661056E-03  -5.8736548E-04
   35   1.4513164E-03  -5.6051518E-04
   36   1.3419014E-03  -5.3363646E-04
   37   1.2378593E-03  -5.0680346E-04
   38   1.1391728E-03  -4.8008615E-04
   39   1.0458126E-03  -4.5355159E-04
   40   9.5773573E-04  -4.2726383E-04
   41   8.7488654E-04  -4.0128451E-04
   42   7.9719738E-04  -3.7567332E-04
   43   7.2458879E-04  -3.5048838E-04
   44   6.5696981E-04  -3.2578673E-04
   45   5.9423843E-04  -3.0162483E-04
   46   5.3628049E-04  -2.7805851E-04
   47   4.8297156E-04  -2.5514405E-04
   48   4.3417563E-04  -2.3293813E-04
   49   3.8974524E-04  -2.1149830E-04
   50   3.4952151E-04  -1.9088345E-04
   51   3.1333306E-04  -1.7115373E-04
   52   2.8099610E-04  -1.5237084E-04
   53   2.5231836E-04  -1.3459207E-04
   54   2.2709117E-04  -1.1785689E-04
   55   2.0510398E-04  -1.0219608E-04
   56   1.8613989E-04  -8.7627840E-05
   57   1.6997954E-04  -7.4159147E-05
   58   1.5640308E-04  -6.1787820E-05
   59   1.4519188E-04  -5.0504374E-05
   60   1.3612981E-04  -4.0293731E-05
   61   1.2900415E-04  -3.1136773E-05
   62   1.2360630E-04  -2.3011734E-05
   63   1.1973391E-04  -1.5869858E-05
```

64	1.1719778E-04	-9.6367636E-06
65	1.1582351E-04	-4.2390763E-06
66	1.1545125E-04	3.9510500E-07
67	1.1593532E-04	4.3358109E-06
68	1.1714386E-04	7.6508640E-06
69	1.1895831E-04	1.0405597E-05
70	1.2127292E-04	1.2662618E-05
71	1.2399416E-04	1.4481622E-05
72	1.2704014E-04	1.5919234E-05
73	1.3033999E-04	1.7028892E-05
74	1.3383318E-04	1.7860751E-05
75	1.3746889E-04	1.8461613E-05
76	1.4120532E-04	1.8874876E-05
77	1.4500900E-04	1.9140499E-05
78	1.4885411E-04	1.9294977E-05
79	1.5272178E-04	1.9371328E-05
80	1.5659940E-04	1.9399083E-05
81	1.6048010E-04	1.9404286E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -7.3579E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4690     -7.1622E-03   2.216      0.5518       2.216       1.690          ACTIVE   0.000     -0.2000       1.793
1.000       1.000       2.345       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9403     -6.9665E-03   4.479       1.115       4.479       3.281          ACTIVE   0.000     -0.4000       3.586
1.000       1.000       4.702       0.000       0.000     Ug5_2_8_L_0
   4 D   1.415     -6.7709E-03   6.803       1.694       6.803       4.727          ACTIVE   0.000     -0.6000       5.379
1.000       1.000       7.073       0.000       0.000     Ug5_2_8_L_0
   5 D   1.891     -6.5752E-03   9.171       2.283       9.171       6.034          ACTIVE   0.000     -0.8000       7.172
1.000       1.000       9.456       0.000       0.000     Ug5_2_8_L_0
   6 D   2.369     -6.3796E-03   11.56       2.878       11.56       7.235          ACTIVE   0.000      -1.000       8.966
1.000       1.000       11.84       0.000       0.000     Ug5_2_8_L_0
   7 D   2.846     -6.1840E-03   13.95       3.473       13.95       8.362          ACTIVE   0.000      -1.200       10.76
1.000       1.000       14.23       0.000       0.000     Ug5_2_8_L_0
   8 D   3.330     -5.9886E-03   16.46       4.098       16.46       9.440          ACTIVE   0.000      -1.400       12.55
1.000       1.000       16.65       0.000       0.000     Ug5_2_8_L_0
   9 D   3.816     -5.7933E-03   19.01       4.734       19.01       10.49          ACTIVE   0.000      -1.600       14.34
1.000       1.000       19.08       0.000       0.000     Ug5_2_8_L_0
  10 D   4.289     -5.5982E-03   21.32       5.309       21.32       11.51          ACTIVE   0.000      -1.800       16.14
1.000       1.000       21.45       0.000       0.000     Ug5_2_8_L_0
  11 D   4.771     -5.4034E-03   23.78       5.922       23.78       12.52          ACTIVE   0.000      -2.000       17.93
1.000       1.000       23.85       0.000       0.000     Ug5_2_8_L_0
  12 D   5.250     -5.2091E-03   26.20       6.525       26.20       13.53          ACTIVE   0.000      -2.200       19.72
1.000       1.000       26.25       0.000       0.000     Ug5_2_8_L_0
  13 D   5.721     -5.0154E-03   28.46       7.085       28.46       14.52          ACTIVE   0.000      -2.400       21.52
1.000       1.000       28.60       0.000       0.000     Ug5_2_8_L_0
  14 D   6.197     -4.8225E-03   30.83       7.677       30.83       15.52          ACTIVE   0.000      -2.600       23.31
1.000       1.000       30.99       0.000       0.000     Ug5_2_8_L_0
  15 D   6.673     -4.6305E-03   33.19       8.263       33.19       16.51          ACTIVE   0.000      -2.800       25.10
1.000       1.000       33.37       0.000       0.000     Ug5_2_8_L_0
  16 D   7.148     -4.4398E-03   35.52       8.845       35.52       17.49          ACTIVE   0.000      -3.000       26.90
1.000       1.000       35.74       0.000       0.000     Ug5_2_8_L_0
  17 D   7.617     -4.2506E-03   37.74       9.398       37.74       18.48          ACTIVE   0.000      -3.200       28.69
1.000       1.000       38.09       0.000       0.000     Ug5_2_8_L_0
  18 D   8.091     -4.0633E-03   40.06       9.974       40.06       19.47          ACTIVE   0.000      -3.400       30.48
1.000       1.000       40.46       0.000       0.000     Ug5_2_8_L_0
  19 D   8.565     -3.8781E-03   42.36       10.55       42.36       20.46          ACTIVE   0.000      -3.600       32.28
1.000       1.000       42.82       0.000       0.000     Ug5_2_8_L_0
  20 D   9.033     -3.6955E-03   44.57       11.10       44.57       21.44          ACTIVE   0.000      -3.800       34.07
1.000       1.000       45.17       0.000       0.000     Ug5_2_8_L_0
  21 D   9.506     -3.5159E-03   46.86       11.67       46.86       22.43          ACTIVE   0.000      -4.000       35.86
1.000       1.000       47.53       0.000       0.000     Ug5_2_8_L_0
  22 D   9.979     -3.3395E-03   49.15       12.24       49.15       23.42          ACTIVE   0.000      -4.200       37.66
1.000       1.000       49.89       0.000       0.000     Ug5_2_8_L_0
  23 D   10.45     -3.1667E-03   51.35       12.79       51.35       24.40          ACTIVE   0.000      -4.400       39.45
1.000       1.000       52.23       0.000       0.000     Ug5_2_8_L_0
  24 D   10.92     -2.9978E-03   53.63       13.35       53.63       25.39          ACTIVE   0.000      -4.600       41.24
1.000       1.000       54.59       0.000       0.000     Ug5_2_8_L_0
  25 D   11.39     -2.8330E-03   55.90       13.92       55.90       26.38          ACTIVE   0.000      -4.800       43.03
1.000       1.000       56.95       0.000       0.000     Ug5_2_8_L_0
  26 D   11.86     -2.6726E-03   58.16       14.48       58.16       27.37          ACTIVE   0.000      -5.000       44.83
1.000       1.000       59.31       0.000       0.000     Ug5_2_8_L_0
  27 D   12.33     -2.5168E-03   60.36       15.03       60.36       28.36          ACTIVE   0.000      -5.200       46.62
1.000       1.000       61.65       0.000       0.000     Ug5_2_8_L_0
  28 D   12.80     -2.3658E-03   62.62       15.59       62.62       29.35          ACTIVE   0.000      -5.400       48.41
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1.000	1.000	64.01	0.000	0.000	Ug5_2_8_L_0						
29 D	13.27	-2.2196E-03	64.87	16.15	64.87	30.34	ACTIVE	0.000	-5.600	50.21	
1.000	1.000	66.36	0.000	0.000	Ug5_2_8_L_0						
30 D	13.74	-2.0785E-03	67.07	16.70	67.07	31.34	ACTIVE	0.000	-5.800	52.00	
1.000	1.000	68.70	0.000	0.000	Ug5_2_8_L_0						
31 D	14.21	-1.9425E-03	69.32	17.26	69.32	32.33	ACTIVE	0.000	-6.000	53.79	
1.000	1.000	71.05	0.000	0.000	Ug5_2_8_L_0						
32 D	14.68	-1.8117E-03	71.57	17.82	71.57	33.33	ACTIVE	0.000	-6.200	55.59	
1.000	1.000	73.41	0.000	0.000	Ug5_2_8_L_0						
33 D	15.15	-1.6863E-03	73.76	18.37	73.76	34.32	ACTIVE	0.000	-6.400	57.38	
1.000	1.000	75.75	0.000	0.000	Ug5_2_8_L_0						
34 D	15.62	-1.5661E-03	76.01	18.93	76.01	35.32	ACTIVE	0.000	-6.600	59.17	
1.000	1.000	78.10	0.000	0.000	Ug5_2_8_L_0						
35 D	16.09	-1.4513E-03	78.25	19.49	78.25	36.32	ACTIVE	0.000	-6.800	60.97	
1.000	1.000	80.45	0.000	0.000	Ug5_2_8_L_0						
36 D	16.56	-1.3419E-03	80.50	20.04	80.50	37.31	ACTIVE	0.000	-7.000	62.76	
1.000	1.000	82.80	0.000	0.000	Ug5_2_8_L_0						
37 D	17.03	-1.2379E-03	82.69	20.59	82.69	38.31	ACTIVE	0.000	-7.200	64.55	
1.000	1.000	85.14	0.000	0.000	Ug5_2_8_L_0						
38 D	17.50	-1.1392E-03	84.93	21.15	84.93	39.31	ACTIVE	0.000	-7.400	66.34	
1.000	1.000	87.49	0.000	0.000	Ug5_2_8_L_0						
39 D	17.97	-1.0458E-03	87.17	21.70	87.17	40.31	ACTIVE	0.000	-7.600	68.14	
1.000	1.000	89.84	0.000	0.000	Ug5_2_8_L_0						
40 D	18.44	-9.5774E-04	89.36	22.25	89.36	41.31	ACTIVE	0.000	-7.800	69.93	
1.000	1.000	92.18	0.000	0.000	Ug5_2_8_L_0						
41 D	18.91	-8.7489E-04	91.60	22.81	91.60	42.32	ACTIVE	0.000	-8.000	71.72	
1.000	1.000	94.53	0.000	0.000	Ug5_2_8_L_0						
42 D	19.38	-7.9720E-04	93.83	23.36	93.83	43.32	ACTIVE	0.000	-8.200	73.52	
1.000	1.000	96.88	0.000	0.000	Ug5_2_8_L_0						
43 D	19.84	-7.2459E-04	96.02	23.91	96.02	44.32	ACTIVE	0.000	-8.400	75.31	
1.000	1.000	99.22	0.000	0.000	Ug5_2_8_L_0						
44 D	20.31	-6.5697E-04	98.26	24.47	98.26	45.33	ACTIVE	0.000	-8.600	77.10	
1.000	1.000	101.6	0.000	0.000	Ug5_2_8_L_0						
45 D	20.78	-5.9424E-04	100.5	25.02	100.5	46.33	ACTIVE	0.000	-8.800	78.90	
1.000	1.000	103.9	0.000	0.000	Ug5_2_8_L_0						
46 D	21.25	-5.3628E-04	102.7	25.58	102.7	47.34	ACTIVE	0.000	-9.000	80.69	
1.000	1.000	106.3	0.000	0.000	Ug5_2_8_L_0						
47 D	21.72	-4.8297E-04	104.9	26.12	104.9	48.35	ACTIVE	0.000	-9.200	82.48	
1.000	1.000	108.6	0.000	0.000	Ug5_2_8_L_0						
48 D	22.19	-4.3418E-04	107.1	26.68	107.1	49.36	ACTIVE	0.000	-9.400	84.28	
1.000	1.000	111.0	0.000	0.000	Ug5_2_8_L_0						
49 D	22.66	-3.8975E-04	109.4	27.23	109.4	50.36	ACTIVE	0.000	-9.600	86.07	
1.000	1.000	113.3	0.000	0.000	Ug5_2_8_L_0						
50 D	23.13	-3.4952E-04	111.6	27.78	111.6	51.37	ACTIVE	0.000	-9.800	87.86	
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0						
51 D	23.61	-3.1333E-04	113.8	28.42	113.8	52.38	UL-RL	7.5213E+04	-10.00	89.66	
1.000	1.000	118.1	0.000	0.000	Ug5_2_8_L_0						
52 D	24.68	-2.8100E-04	116.0	31.97	116.0	53.39	UL-RL	7.5213E+04	-10.20	91.45	
1.000	1.000	123.4	0.000	0.000	Ug5_2_8_L_0						
53 D	25.69	-2.5232E-04	118.2	35.23	118.2	54.40	UL-RL	7.5213E+04	-10.40	93.24	
1.000	1.000	128.5	0.000	0.000	Ug5_2_8_L_0						
54 D	26.65	-2.2709E-04	120.4	38.19	120.4	55.42	UL-RL	7.5213E+04	-10.60	95.03	
1.000	1.000	133.2	0.000	0.000	Ug5_2_8_L_0						
55 D	27.54	-2.0510E-04	122.7	40.90	122.7	56.43	UL-RL	7.5213E+04	-10.80	96.83	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
56 D	28.39	-1.8614E-04	124.9	43.35	124.9	57.44	UL-RL	7.5213E+04	-11.00	98.62	
1.000	1.000	142.0	0.000	0.000	Ug5_2_8_L_0						
57 D	29.20	-1.6998E-04	127.1	45.58	127.1	58.46	UL-RL	7.5213E+04	-11.20	100.4	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
58 D	29.96	-1.5640E-04	129.3	47.59	129.3	59.47	UL-RL	7.5213E+04	-11.40	102.2	
1.000	1.000	149.8	0.000	0.000	Ug5_2_8_L_0						
59 D	30.68	-1.4519E-04	131.5	49.42	131.5	60.48	UL-RL	7.5213E+04	-11.60	104.0	
1.000	1.000	153.4	0.000	0.000	Ug5_2_8_L_0						
60 D	31.37	-1.3613E-04	133.7	51.07	133.7	61.50	UL-RL	7.5213E+04	-11.80	105.8	
1.000	1.000	156.9	0.000	0.000	Ug5_2_8_L_0						
61 D	32.03	-1.2900E-04	135.9	52.57	135.9	62.52	UL-RL	7.5213E+04	-12.00	107.6	
1.000	1.000	160.2	0.000	0.000	Ug5_2_8_L_0						
62 D	34.10	-1.2361E-04	138.0	61.10	138.0	63.43	UL-RL	3.6008E+04	-12.20	109.4	
1.000	1.000	170.5	0.000	0.000	Ug6_741_743_L_0						
63 D	34.67	-1.1973E-04	140.0	62.16	140.0	64.35	UL-RL	3.6008E+04	-12.40	111.2	
1.000	1.000	173.3	0.000	0.000	Ug6_741_743_L_0						
64 D	35.23	-1.1720E-04	142.0	63.18	142.0	65.27	UL-RL	3.6008E+04	-12.60	113.0	
1.000	1.000	176.1	0.000	0.000	Ug6_741_743_L_0						
65 D	35.78	-1.1582E-04	144.0	64.15	144.0	66.18	UL-RL	3.6008E+04	-12.80	114.8	
1.000	1.000	178.9	0.000	0.000	Ug6_741_743_L_0						
66 D	36.33	-1.1545E-04	146.0	65.08	146.0	67.10	UL-RL	3.6008E+04	-13.00	116.6	
1.000	1.000	181.6	0.000	0.000	Ug6_741_743_L_0						
67 D	36.87	-1.1594E-04	147.9	65.99	147.9	68.02	UL-RL	3.6008E+04	-13.20	118.3	
1.000	1.000	184.3	0.000	0.000	Ug6_741_743_L_0						
68 D	37.40	-1.1714E-04	149.9	66.87	149.9	68.94	UL-RL	3.6008E+04	-13.40	120.1	
1.000	1.000	187.0	0.000	0.000	Ug6_741_743_L_0						

69 D	37.93	-1.1896E-04	151.9	67.73	151.9	69.86	UL-RL	3.6008E+04	-13.60	121.9
1.000	1.000	189.7	0.000	0.000	Ug6_741_743_L_0					
70 D	38.46	-1.2127E-04	153.8	68.57	153.8	70.78	UL-RL	3.6008E+04	-13.80	123.7
1.000	1.000	192.3	0.000	0.000	Ug6_741_743_L_0					
71 D	38.98	-1.2399E-04	155.8	69.40	155.8	71.70	UL-RL	3.6008E+04	-14.00	125.5
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0					
72 D	39.51	-1.2704E-04	157.8	70.22	157.8	72.62	UL-RL	3.6008E+04	-14.20	127.3
1.000	1.000	197.5	0.000	0.000	Ug6_741_743_L_0					
73 D	40.03	-1.3034E-04	159.8	71.03	159.8	73.54	UL-RL	3.6008E+04	-14.40	129.1
1.000	1.000	200.1	0.000	0.000	Ug6_741_743_L_0					
74 D	40.55	-1.3383E-04	161.7	71.84	161.7	74.46	UL-RL	3.6008E+04	-14.60	130.9
1.000	1.000	202.7	0.000	0.000	Ug6_741_743_L_0					
75 D	41.07	-1.3747E-04	163.7	72.64	163.7	75.38	UL-RL	3.6008E+04	-14.80	132.7
1.000	1.000	205.3	0.000	0.000	Ug6_741_743_L_0					
76 D	41.58	-1.4121E-04	165.7	73.44	165.7	76.31	UL-RL	3.6008E+04	-15.00	134.5
1.000	1.000	207.9	0.000	0.000	Ug6_741_743_L_0					
77 D	42.10	-1.4501E-04	167.7	74.24	167.7	77.23	UL-RL	3.6008E+04	-15.20	136.3
1.000	1.000	210.5	0.000	0.000	Ug6_741_743_L_0					
78 D	42.62	-1.4885E-04	169.6	75.03	169.6	78.15	UL-RL	3.6008E+04	-15.40	138.1
1.000	1.000	213.1	0.000	0.000	Ug6_741_743_L_0					
79 D	43.14	-1.5272E-04	171.6	75.83	171.6	79.07	UL-RL	3.6008E+04	-15.60	139.9
1.000	1.000	215.7	0.000	0.000	Ug6_741_743_L_0					
80 D	43.66	-1.5660E-04	173.6	76.63	173.6	80.00	UL-RL	3.6008E+04	-15.80	141.7
1.000	1.000	218.3	0.000	0.000	Ug6_741_743_L_0					
81 D	22.09	-1.6048E-04	175.6	77.43	175.6	80.92	UL-RL	3.6008E+04	-16.00	143.4
1.000	1.000	220.9	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
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 New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      4.4398E-03   0.000       0.000       30.00       36.52       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.858      4.2506E-03   1.793       12.08       32.00       36.32       PASSIVE   0.000       -3.200       2.207
1.000       1.000       14.29       0.000       0.000     Ug5_2_8_L_0
  18 D   5.716      4.0633E-03   3.586       24.16       34.00       36.13       PASSIVE   0.000       -3.400       4.414
1.000       1.000       28.58       0.000       0.000     Ug5_2_8_L_0
  19 D   8.573      3.8781E-03   5.379       36.25       36.00       36.25       PASSIVE   0.000       -3.600       6.621
1.000       1.000       42.87       0.000       0.000     Ug5_2_8_L_0
  20 D   11.43      3.6955E-03   7.172       48.33       38.00       48.33       PASSIVE   0.000       -3.800       8.828
1.000       1.000       57.16       0.000       0.000     Ug5_2_8_L_0
  21 D   14.29      3.5159E-03   8.966       60.41       40.00       60.41       PASSIVE   0.000       -4.000       11.03
1.000       1.000       71.44       0.000       0.000     Ug5_2_8_L_0
  22 D   15.89      3.3395E-03   10.76       66.22       42.00       66.22           V-C   1.2465E+04  -4.200       13.24
1.000       1.000       79.46       0.000       0.000     Ug5_2_8_L_0
  23 D   16.03      3.1667E-03   12.55       64.70       44.00       64.70           V-C   1.2465E+04  -4.400       15.45
1.000       1.000       80.15       0.000       0.000     Ug5_2_8_L_0
  24 D   16.18      2.9978E-03   14.34       63.25       46.00       63.25           V-C   1.2465E+04  -4.600       17.66
1.000       1.000       80.90       0.000       0.000     Ug5_2_8_L_0
  25 D   16.34      2.8330E-03   16.14       61.85       48.00       61.85           V-C   1.2465E+04  -4.800       19.86
1.000       1.000       81.71       0.000       0.000     Ug5_2_8_L_0
  26 D   16.52      2.6726E-03   17.93       60.52       50.00       60.52           V-C   1.2465E+04  -5.000       22.07
1.000       1.000       82.59       0.000       0.000     Ug5_2_8_L_0
  27 D   16.71      2.5168E-03   19.72       59.25       52.00       59.25           V-C   1.2465E+04  -5.200       24.28
1.000       1.000       83.53       0.000       0.000     Ug5_2_8_L_0
  28 D   16.91      2.3658E-03   21.52       58.06       54.00       58.06           V-C   1.2465E+04  -5.400       26.48
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1.000	1.000	84.54	0.000	0.000	Ug5_2_8_L_0						
29 D	17.13	2.2196E-03	23.31	56.94	56.00	56.94	V-C	1.2465E+04	-5.600	28.69	
1.000	1.000	85.63	0.000	0.000	Ug5_2_8_L_0						
30 D	17.36	2.0785E-03	25.10	55.90	58.00	55.90	V-C	1.2465E+04	-5.800	30.90	
1.000	1.000	86.79	0.000	0.000	Ug5_2_8_L_0						
31 D	17.61	1.9425E-03	26.90	54.93	60.00	54.93	V-C	1.2465E+04	-6.000	33.10	
1.000	1.000	88.04	0.000	0.000	Ug5_2_8_L_0						
32 D	17.87	1.8117E-03	28.69	54.05	62.00	54.05	V-C	1.2465E+04	-6.200	35.31	
1.000	1.000	89.36	0.000	0.000	Ug5_2_8_L_0						
33 D	18.15	1.6863E-03	30.48	53.24	64.00	53.24	V-C	1.2465E+04	-6.400	37.52	
1.000	1.000	90.76	0.000	0.000	Ug5_2_8_L_0						
34 D	18.45	1.5661E-03	32.28	52.52	66.00	52.52	V-C	1.2465E+04	-6.600	39.72	
1.000	1.000	92.24	0.000	0.000	Ug5_2_8_L_0						
35 D	18.76	1.4513E-03	34.07	51.87	68.00	51.87	V-C	1.2465E+04	-6.800	41.93	
1.000	1.000	93.80	0.000	0.000	Ug5_2_8_L_0						
36 D	19.09	1.3419E-03	35.86	51.31	70.00	51.31	V-C	1.2465E+04	-7.000	44.14	
1.000	1.000	95.45	0.000	0.000	Ug5_2_8_L_0						
37 D	19.43	1.2379E-03	37.66	50.83	72.00	50.83	V-C	1.2465E+04	-7.200	46.34	
1.000	1.000	97.17	0.000	0.000	Ug5_2_8_L_0						
38 D	19.79	1.1392E-03	39.45	50.42	74.00	50.42	V-C	1.2465E+04	-7.400	48.55	
1.000	1.000	98.97	0.000	0.000	Ug5_2_8_L_0						
39 D	20.17	1.0458E-03	41.24	50.10	76.00	50.10	V-C	1.2465E+04	-7.600	50.76	
1.000	1.000	100.9	0.000	0.000	Ug5_2_8_L_0						
40 D	20.56	9.5774E-04	43.03	49.85	78.00	49.85	V-C	1.2465E+04	-7.800	52.97	
1.000	1.000	102.8	0.000	0.000	Ug5_2_8_L_0						
41 D	20.97	8.7489E-04	44.83	49.69	80.00	49.69	V-C	1.2465E+04	-8.000	55.17	
1.000	1.000	104.9	0.000	0.000	Ug5_2_8_L_0						
42 D	21.39	7.9720E-04	46.62	49.59	82.00	49.59	V-C	1.2465E+04	-8.200	57.38	
1.000	1.000	107.0	0.000	0.000	Ug5_2_8_L_0						
43 D	21.83	7.2459E-04	48.41	49.58	84.00	49.58	V-C	1.2465E+04	-8.400	59.59	
1.000	1.000	109.2	0.000	0.000	Ug5_2_8_L_0						
44 D	22.28	6.5697E-04	50.21	49.63	86.00	49.63	V-C	1.2465E+04	-8.600	61.79	
1.000	1.000	111.4	0.000	0.000	Ug5_2_8_L_0						
45 D	22.75	5.9424E-04	52.00	49.76	88.00	49.76	V-C	1.2465E+04	-8.800	64.00	
1.000	1.000	113.8	0.000	0.000	Ug5_2_8_L_0						
46 D	23.23	5.3628E-04	53.79	49.95	90.00	49.95	V-C	1.2465E+04	-9.000	66.21	
1.000	1.000	116.2	0.000	0.000	Ug5_2_8_L_0						
47 D	23.72	4.8297E-04	55.59	50.21	92.00	50.21	V-C	1.2465E+04	-9.200	68.41	
1.000	1.000	118.6	0.000	0.000	Ug5_2_8_L_0						
48 D	24.23	4.3418E-04	57.38	50.53	94.00	50.53	V-C	1.2465E+04	-9.400	70.62	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
49 D	24.75	3.8975E-04	59.17	50.92	96.00	50.92	V-C	1.2465E+04	-9.600	72.83	
1.000	1.000	123.7	0.000	0.000	Ug5_2_8_L_0						
50 D	25.28	3.4952E-04	60.97	51.37	98.00	51.37	V-C	1.2465E+04	-9.800	75.03	
1.000	1.000	126.4	0.000	0.000	Ug5_2_8_L_0						
51 D	25.82	3.1333E-04	62.76	51.87	100.00	51.87	V-C	1.2465E+04	-10.00	77.24	
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0						
52 D	26.37	2.8100E-04	64.55	52.42	102.0	52.42	V-C	1.2465E+04	-10.20	79.45	
1.000	1.000	131.9	0.000	0.000	Ug5_2_8_L_0						
53 D	26.94	2.5232E-04	66.34	53.03	104.0	53.03	V-C	1.2465E+04	-10.40	81.66	
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
54 D	27.50	2.2709E-04	68.14	53.64	106.0	53.71	UL-RL	3.7394E+04	-10.60	83.86	
1.000	1.000	137.5	0.000	0.000	Ug5_2_8_L_0						
55 D	27.97	2.0510E-04	69.93	53.77	108.0	54.69	UL-RL	3.7394E+04	-10.80	86.07	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
56 D	28.46	1.8614E-04	71.72	54.03	110.0	55.67	UL-RL	3.7394E+04	-11.00	88.28	
1.000	1.000	142.3	0.000	0.000	Ug5_2_8_L_0						
57 D	28.98	1.6998E-04	73.52	54.40	112.0	56.65	UL-RL	3.7394E+04	-11.20	90.48	
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0						
58 D	29.51	1.5640E-04	75.31	54.88	114.0	57.63	UL-RL	3.7394E+04	-11.40	92.69	
1.000	1.000	147.6	0.000	0.000	Ug5_2_8_L_0						
59 D	30.07	1.4519E-04	77.10	55.45	116.0	58.61	UL-RL	3.7394E+04	-11.60	94.90	
1.000	1.000	150.4	0.000	0.000	Ug5_2_8_L_0						
60 D	30.64	1.3613E-04	78.90	56.11	118.0	59.60	UL-RL	3.7394E+04	-11.80	97.10	
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0						
61 D	31.23	1.2900E-04	80.69	56.85	120.0	60.58	UL-RL	3.7394E+04	-12.00	99.31	
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0						
62 D	31.47	1.2361E-04	82.28	55.83	121.8	61.46	UL-RL	2.8119E+04	-12.20	101.5	
1.000	1.000	157.3	0.000	0.000	Ug6_741_743_L_0						
63 D	32.07	1.1973E-04	83.88	56.61	123.6	62.35	UL-RL	2.8119E+04	-12.40	103.7	
1.000	1.000	160.3	0.000	0.000	Ug6_741_743_L_0						
64 D	32.67	1.1720E-04	85.47	57.43	125.4	63.23	UL-RL	2.8119E+04	-12.60	105.9	
1.000	1.000	163.4	0.000	0.000	Ug6_741_743_L_0						
65 D	33.28	1.1582E-04	87.06	58.29	127.2	64.12	UL-RL	2.8119E+04	-12.80	108.1	
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0						
66 D	33.90	1.1545E-04	88.66	59.17	129.0	65.01	UL-RL	2.8119E+04	-13.00	110.3	
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0						
67 D	34.53	1.1594E-04	90.25	60.08	130.8	65.89	UL-RL	2.8119E+04	-13.20	112.6	
1.000	1.000	172.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.15	1.1714E-04	91.84	61.00	132.6	66.78	UL-RL	2.8119E+04	-13.40	114.8	
1.000	1.000	175.8	0.000	0.000	Ug6_741_743_L_0						

69 D	35.78	1.1896E-04	93.43	61.94	134.4	67.67	UL-RL	2.8119E+04	-13.60	117.0
1.000	1.000	178.9	0.000	0.000	Ug6_741_743_L_0					
70 D	36.41	1.2127E-04	95.03	62.90	136.2	68.55	UL-RL	2.8119E+04	-13.80	119.2
1.000	1.000	182.1	0.000	0.000	Ug6_741_743_L_0					
71 D	37.05	1.2399E-04	96.62	63.87	138.0	69.44	UL-RL	2.8119E+04	-14.00	121.4
1.000	1.000	185.2	0.000	0.000	Ug6_741_743_L_0					
72 D	37.69	1.2704E-04	98.21	64.84	139.8	70.33	UL-RL	2.8119E+04	-14.20	123.6
1.000	1.000	188.4	0.000	0.000	Ug6_741_743_L_0					
73 D	38.32	1.3034E-04	99.81	65.82	141.6	71.22	UL-RL	2.8119E+04	-14.40	125.8
1.000	1.000	191.6	0.000	0.000	Ug6_741_743_L_0					
74 D	38.96	1.3383E-04	101.4	66.81	143.4	72.11	UL-RL	2.8119E+04	-14.60	128.0
1.000	1.000	194.8	0.000	0.000	Ug6_741_743_L_0					
75 D	39.60	1.3747E-04	103.0	67.80	145.2	73.00	UL-RL	2.8119E+04	-14.80	130.2
1.000	1.000	198.0	0.000	0.000	Ug6_741_743_L_0					
76 D	40.24	1.4121E-04	104.6	68.79	147.0	73.89	UL-RL	2.8119E+04	-15.00	132.4
1.000	1.000	201.2	0.000	0.000	Ug6_741_743_L_0					
77 D	40.88	1.4501E-04	106.2	69.79	148.8	74.78	UL-RL	2.8119E+04	-15.20	134.6
1.000	1.000	204.4	0.000	0.000	Ug6_741_743_L_0					
78 D	41.52	1.4885E-04	107.8	70.78	150.6	75.67	UL-RL	2.8119E+04	-15.40	136.8
1.000	1.000	207.6	0.000	0.000	Ug6_741_743_L_0					
79 D	42.16	1.5272E-04	109.4	71.78	152.4	76.56	UL-RL	2.8119E+04	-15.60	139.0
1.000	1.000	210.8	0.000	0.000	Ug6_741_743_L_0					
80 D	42.80	1.5660E-04	111.0	72.77	154.2	77.45	UL-RL	2.8119E+04	-15.80	141.2
1.000	1.000	214.0	0.000	0.000	Ug6_741_743_L_0					
81 D	21.72	1.6048E-04	112.6	73.77	156.0	78.34	UL-RL	2.8119E+04	-16.00	143.4
1.000	1.000	217.2	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-1.20281E-10 1.20281E-10-1.18447E-11 3.61368E-10
    2 0.46899    -0.46899    -2.46424E-10 9.37978E-02
    3  1.4093     -1.4093    -9.37978E-02 0.37566
    4  2.8239     -2.8239    -0.37566     0.94045
    5  4.7151     -4.7151    -0.94045      1.8835
    6  7.0838     -7.0838     -1.8835      3.3002
    7  9.9300     -9.9300     -3.3002      5.2862
    8  13.260     -13.260     -5.2862      7.9382
    9  17.076     -17.076     -7.9382      11.353
   10  21.365     -21.365     -11.353      15.626
   11  26.136     -26.136     -15.626      20.854
   12  31.385     -31.385     -20.854      27.131
   13  37.106     -37.106     -27.131      34.552
   14  43.303     -43.303     -34.552      43.212
   15  49.977     -49.977     -43.212      53.208
   16  57.125     -57.125     -53.208      64.633
   17  61.885     -61.885     -64.633      77.010
   18  64.261     -64.261     -77.010      89.862
   19  64.252     -64.252     -89.862      102.71
   20  61.855     -61.855     -102.71      115.08
   21  57.072     -57.072     -115.08      126.50
   22  51.159     -51.159     -126.50      136.73
   23  45.576     -45.576     -136.73      145.84
   24  40.314     -40.314     -145.84      153.91
   25  35.362     -35.362     -153.91      160.98
   26  30.707     -30.707     -160.98      167.12
   27  26.331     -26.331     -167.12      172.39
   28  22.224     -22.224     -172.39      176.83
   29  18.370     -18.370     -176.83      180.51
   30  14.751     -14.751     -180.51      183.46
   31  11.354     -11.354     -183.46      185.73
   32  8.1643     -8.1643     -185.73      187.36
   33  5.1619     -5.1619     -187.36      188.39
   34  2.3337     -2.3337     -188.39      188.86
   35-0.33672     0.33672     -188.86      188.79
   36 -2.8655      2.8655     -188.79      188.22
   37 -5.2712      5.2712     -188.22      187.16
   38 -7.5675      7.5675     -187.16      185.65
   39 -9.7705      9.7705     -185.65      183.70
   40 -11.898      11.898     -183.70      181.32
   41 -13.963      13.963     -181.32      178.52
   42 -15.981      15.981     -178.52      175.33
   43 -17.970      17.970     -175.33      171.73
   44 -19.940      19.940     -171.73      167.75
   45 -21.908      21.908     -167.75      163.36
   46 -23.886      23.886     -163.36      158.59
   47 -25.889      25.889     -158.59      153.41
   48 -27.929      27.929     -153.41      147.82
   49 -30.019      30.019     -147.82      141.82
   50 -32.170      32.170     -141.82      135.39
   51 -34.378      34.378     -135.39      128.51
   52 -36.067      36.067     -128.51      121.30
   53 -37.311      37.311     -121.30      113.84
   54 -38.165      38.165     -113.84      106.20
   55 -38.589      38.589     -106.20      98.484
   56 -38.656      38.656     -98.484      90.753
   57 -38.435      38.435     -90.753      83.066
   58 -37.989      37.989     -83.066      75.468
   59 -37.376      37.376     -75.468      67.993
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   60 -36.646      36.646     -67.993      60.664
   61 -35.847      35.847     -60.664      53.494
   62 -33.221      33.221     -53.494      46.850
   63 -30.622      30.622     -46.850      40.726
   64 -28.066      28.066     -40.726      35.113
   65 -25.571      25.571     -35.113      29.998
   66 -23.147      23.147     -29.998      25.369
   67 -20.806      20.806     -25.369      21.208
   68 -18.557      18.557     -21.208      17.497
   69 -16.408      16.408     -17.497      14.215
   70 -14.364      14.364     -14.215      11.342
   71 -12.430      12.430     -11.342      8.8564
   72 -10.610      10.610     -8.8564      6.7345
   73 -8.9061      8.9061     -6.7345      4.9533
   74 -7.3216      7.3216     -4.9533      3.4889
   75 -5.8574      5.8574     -3.4889      2.3175
   76 -4.5145      4.5145     -2.3175      1.4146
   77 -3.2936      3.2936     -1.4146     0.75587
   78 -2.1950      2.1950    -0.75587     0.31687
   79 -1.2189      1.2189    -0.31687     7.30915E-02
   80-0.36544     0.36544    -7.30915E-02 3.08242E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2220E+06 RIMNOR=0.2038E+07
           RENORM= 1042.     REMNOR=0.1331E-18 RATIO =0.6850E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.26     RMMAX = 188.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2220E+06 RDR   =0.2038E+07
           RATIOT=0.6850E-01 RATIOR= 0.000
           MAX UN= 14.13     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2220E+06 RIMNOR=0.2038E+07
           RENORM= 285.4     REMNOR=0.1959E-18 RATIO =0.3585E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.26     RMMAX = 188.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2220E+06 RDR   =0.2038E+07
           RATIOT=0.3585E-01 RATIOR= 0.000
           MAX UN= 4.044     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3957E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2220E+06 RIMNOR=0.2038E+07
           RENORM= 192.6     REMNOR=0.3325E-17 RATIO =0.2945E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.26     RMMAX = 188.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2220E+06 RDR   =0.2038E+07
           RATIOT=0.2945E-01 RATIOR= 0.000
           MAX UN= 6.835     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-1.134     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2220E+06 RIMNOR=0.2038E+07
           RENORM= 3.078     REMNOR=0.1642E-17 RATIO =0.3723E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.26     RMMAX = 188.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2220E+06 RDR   =0.2038E+07
           RATIOT=0.3723E-02 RATIOR= 0.000
           MAX UN= 1.484     IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.3411E-01 IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2220E+06 RIMNOR=0.2038E+07
           RENORM=0.1042E-01 REMNOR=0.1175E-17 RATIO =0.2166E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.26     RMMAX = 188.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2220E+06 RDR   =0.2038E+07
           RATIOT=0.2166E-03 RATIOR= 0.000
           MAX UN=0.7849E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.4148E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.2220E+06 RIMNOR=0.2038E+07
            RENORM=0.1097E-02 REMNOR=0.1295E-17 RATIO =0.7030E-04 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 64.26      RMMAX = 188.9
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.2220E+06 RDR   =0.2038E+07
            RATIOT=0.7030E-04 RATIOR= 0.000
            MAX UN=0.1472E-01 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
            MIN UN=-.9094E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.9524372E-02  -2.2119939E-03
    2   1.9081974E-02  -2.2119939E-03
    3   1.8639575E-02  -2.2119874E-03
    4   1.8197180E-02  -2.2119549E-03
    5   1.7754797E-02  -2.2118635E-03
    6   1.7312442E-02  -2.2116676E-03
    7   1.6870141E-02  -2.2113079E-03
    8   1.6427935E-02  -2.2107121E-03
    9   1.5985878E-02  -2.2097945E-03
   10   1.5544045E-02  -2.2084558E-03
   11   1.5102531E-02  -2.2065836E-03
   12   1.4661455E-02  -2.2040521E-03
   13   1.4220963E-02  -2.2007222E-03
   14   1.3781230E-02  -2.1964416E-03
   15   1.3342461E-02  -2.1910448E-03
   16   1.2904898E-02  -2.1843533E-03
   17   1.2468817E-02  -2.1761751E-03
   18   1.2034539E-02  -2.1663053E-03
   19   1.1602422E-02  -2.1545259E-03
   20   1.1172871E-02  -2.1406056E-03
   21   1.0746341E-02  -2.1243003E-03
   22   1.0323329E-02  -2.1053524E-03
   23   9.9043915E-03  -2.0835311E-03
   24   9.4901195E-03  -2.0586708E-03
   25   9.0811324E-03  -2.0306721E-03
   26   8.6780622E-03  -1.9995011E-03
   27   8.2815433E-03  -1.9651897E-03
   28   7.8921911E-03  -1.9278352E-03
   29   7.5106012E-03  -1.8876009E-03
   30   7.1373275E-03  -1.8447159E-03
   31   6.7728723E-03  -1.7994688E-03
   32   6.4176788E-03  -1.7521666E-03
   33   6.0721252E-03  -1.7030982E-03
   34   5.7365390E-03  -1.6525368E-03
   35   5.4111929E-03  -1.6007393E-03
   36   5.0963096E-03  -1.5479475E-03
   37   4.7920665E-03  -1.4943890E-03
   38   4.4985924E-03  -1.4402770E-03
   39   4.2159793E-03  -1.3858121E-03
   40   3.9442785E-03  -1.3311828E-03
   41   3.6835053E-03  -1.2765658E-03
   42   3.4336403E-03  -1.2221272E-03
   43   3.1946322E-03  -1.1680228E-03
   44   2.9663991E-03  -1.1143993E-03
   45   2.7488322E-03  -1.0613950E-03
   46   2.5417923E-03  -1.0091396E-03
   47   2.3451182E-03  -9.5775624E-04
   48   2.1586239E-03  -9.0736139E-04
   49   1.9821004E-03  -8.5806572E-04
   50   1.8153181E-03  -8.0997493E-04
   51   1.6580243E-03  -7.6318951E-04
   52   1.5099452E-03  -7.1780563E-04
   53   1.3708052E-03  -6.7392147E-04
   54   1.2402780E-03  -6.3162252E-04
   55   1.1180444E-03  -5.9099985E-04
   56   1.0037605E-03  -5.5214070E-04
   57   8.9706482E-04  -5.1513114E-04
   58   7.9757901E-04  -4.8005662E-04
   59   7.0490749E-04  -4.4700240E-04
   60   6.1863766E-04  -4.1605401E-04
   61   5.3833975E-04  -3.8729762E-04
   62   4.6356666E-04  -3.6082046E-04
   63   3.9385783E-04  -3.3664926E-04
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64	3.2875608E-04	-3.1474129E-04
65	2.6781435E-04	-2.9503786E-04
66	2.1059885E-04	-2.7746561E-04
67	1.5669182E-04	-2.6193772E-04
68	1.0569409E-04	-2.4835490E-04
69	5.7227461E-05	-2.3660799E-04
70	1.0936253E-05	-2.2658076E-04
71	-3.3511369E-05	-2.1815144E-04
72	-7.6422423E-05	-2.1119364E-04
73	-1.1807822E-04	-2.0557670E-04
74	-1.5873351E-04	-2.0116593E-04
75	-1.9861577E-04	-1.9782289E-04
76	-2.3792438E-04	-1.9540551E-04
77	-2.7682998E-04	-1.9376825E-04
78	-3.1547376E-04	-1.9276220E-04
79	-3.5396678E-04	-1.9223496E-04
80	-3.9238927E-04	-1.9203052E-04
81	-4.3079179E-04	-1.9198927E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -1.9524E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4572     -1.9082E-02   2.295      0.5715       2.295       1.690          ACTIVE   0.000     -0.2000       1.714
1.000       1.000       2.286       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9166     -1.8640E-02   4.637       1.155       4.637       3.281          ACTIVE   0.000     -0.4000       3.429
1.000       1.000       4.583       0.000       0.000     Ug5_2_8_L_0
   4 D   1.379     -1.8197E-02   7.039       1.753       7.039       4.727          ACTIVE   0.000     -0.6000       5.143
1.000       1.000       6.896       0.000       0.000     Ug5_2_8_L_0
   5 D   1.844     -1.7755E-02   9.486       2.362       9.486       6.034          ACTIVE   0.000     -0.8000       6.857
1.000       1.000       9.219       0.000       0.000     Ug5_2_8_L_0
   6 D   2.309     -1.7312E-02   11.95       2.976       11.95       7.235          ACTIVE   0.000      -1.000       8.571
1.000       1.000       11.55       0.000       0.000     Ug5_2_8_L_0
   7 D   2.775     -1.6870E-02   14.42       3.590       14.42       8.362          ACTIVE   0.000      -1.200       10.29
1.000       1.000       13.88       0.000       0.000     Ug5_2_8_L_0
   8 D   3.247     -1.6428E-02   17.01       4.235       17.01       9.440          ACTIVE   0.000      -1.400       12.00
1.000       1.000       16.24       0.000       0.000     Ug5_2_8_L_0
   9 D   3.721     -1.5986E-02   19.64       4.891       19.64       10.49          ACTIVE   0.000      -1.600       13.71
1.000       1.000       18.61       0.000       0.000     Ug5_2_8_L_0
  10 D   4.183     -1.5544E-02   22.03       5.485       22.03       11.51          ACTIVE   0.000      -1.800       15.43
1.000       1.000       20.91       0.000       0.000     Ug5_2_8_L_0
  11 D   4.652     -1.5103E-02   24.57       6.118       24.57       12.52          ACTIVE   0.000      -2.000       17.14
1.000       1.000       23.26       0.000       0.000     Ug5_2_8_L_0
  12 D   5.120     -1.4661E-02   27.07       6.740       27.07       13.53          ACTIVE   0.000      -2.200       18.86
1.000       1.000       25.60       0.000       0.000     Ug5_2_8_L_0
  13 D   5.578     -1.4221E-02   29.40       7.321       29.40       14.52          ACTIVE   0.000      -2.400       20.57
1.000       1.000       27.89       0.000       0.000     Ug5_2_8_L_0
  14 D   6.044     -1.3781E-02   31.86       7.932       31.86       15.52          ACTIVE   0.000      -2.600       22.29
1.000       1.000       30.22       0.000       0.000     Ug5_2_8_L_0
  15 D   6.508     -1.3342E-02   34.29       8.538       34.29       16.51          ACTIVE   0.000      -2.800       24.00
1.000       1.000       32.54       0.000       0.000     Ug5_2_8_L_0
  16 D   6.971     -1.2905E-02   36.71       9.140       36.71       17.49          ACTIVE   0.000      -3.000       25.71
1.000       1.000       34.85       0.000       0.000     Ug5_2_8_L_0
  17 D   7.428     -1.2469E-02   39.00       9.712       39.00       18.48          ACTIVE   0.000      -3.200       27.43
1.000       1.000       37.14       0.000       0.000     Ug5_2_8_L_0
  18 D   7.890     -1.2035E-02   41.40       10.31       41.40       19.47          ACTIVE   0.000      -3.400       29.14
1.000       1.000       39.45       0.000       0.000     Ug5_2_8_L_0
  19 D   8.352     -1.1602E-02   43.78       10.90       43.78       20.46          ACTIVE   0.000      -3.600       30.86
1.000       1.000       41.76       0.000       0.000     Ug5_2_8_L_0
  20 D   8.809     -1.1173E-02   46.07       11.47       46.07       21.44          ACTIVE   0.000      -3.800       32.57
1.000       1.000       44.04       0.000       0.000     Ug5_2_8_L_0
  21 D   9.269     -1.0746E-02   48.44       12.06       48.44       22.43          ACTIVE   0.000      -4.000       34.29
1.000       1.000       46.35       0.000       0.000     Ug5_2_8_L_0
  22 D   9.730     -1.0323E-02   50.80       12.65       50.80       23.42          ACTIVE   0.000      -4.200       36.00
1.000       1.000       48.65       0.000       0.000     Ug5_2_8_L_0
  23 D   10.19     -9.9044E-03   53.08       13.22       53.08       24.40          ACTIVE   0.000      -4.400       37.71
1.000       1.000       50.93       0.000       0.000     Ug5_2_8_L_0
  24 D   10.65     -9.4901E-03   55.44       13.80       55.44       25.39          ACTIVE   0.000      -4.600       39.43
1.000       1.000       53.23       0.000       0.000     Ug5_2_8_L_0
  25 D   11.11     -9.0811E-03   57.79       14.39       57.79       26.38          ACTIVE   0.000      -4.800       41.14
1.000       1.000       55.53       0.000       0.000     Ug5_2_8_L_0
  26 D   11.57     -8.6781E-03   60.13       14.97       60.13       27.37          ACTIVE   0.000      -5.000       42.86
1.000       1.000       57.83       0.000       0.000     Ug5_2_8_L_0
  27 D   12.02     -8.2815E-03   62.41       15.54       62.41       28.36          ACTIVE   0.000      -5.200       44.57
1.000       1.000       60.11       0.000       0.000     Ug5_2_8_L_0
  28 D   12.48     -7.8922E-03   64.75       16.12       64.75       29.35          ACTIVE   0.000      -5.400       46.29
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1.000	1.000	62.41	0.000	0.000	Ug5_2_8_L_0					
29 D	12.94	-7.5106E-03	67.08	16.70	67.08	30.34	ACTIVE	0.000	-5.600	48.00
1.000	1.000	64.70	0.000	0.000	Ug5_2_8_L_0					
30 D	13.40	-7.1373E-03	69.35	17.27	69.35	31.34	ACTIVE	0.000	-5.800	49.71
1.000	1.000	66.98	0.000	0.000	Ug5_2_8_L_0					
31 D	13.86	-6.7729E-03	71.69	17.85	71.69	32.33	ACTIVE	0.000	-6.000	51.43
1.000	1.000	69.28	0.000	0.000	Ug5_2_8_L_0					
32 D	14.31	-6.4177E-03	74.01	18.43	74.01	33.33	ACTIVE	0.000	-6.200	53.14
1.000	1.000	71.57	0.000	0.000	Ug5_2_8_L_0					
33 D	14.77	-6.0721E-03	76.29	19.00	76.29	34.32	ACTIVE	0.000	-6.400	54.86
1.000	1.000	73.85	0.000	0.000	Ug5_2_8_L_0					
34 D	15.23	-5.7365E-03	78.61	19.57	78.61	35.32	ACTIVE	0.000	-6.600	56.57
1.000	1.000	76.15	0.000	0.000	Ug5_2_8_L_0					
35 D	15.69	-5.4112E-03	80.93	20.15	80.93	36.32	ACTIVE	0.000	-6.800	58.29
1.000	1.000	78.44	0.000	0.000	Ug5_2_8_L_0					
36 D	16.15	-5.0963E-03	83.26	20.73	83.26	37.31	ACTIVE	0.000	-7.000	60.00
1.000	1.000	80.73	0.000	0.000	Ug5_2_8_L_0					
37 D	16.60	-4.7921E-03	85.53	21.30	85.53	38.31	ACTIVE	0.000	-7.200	61.71
1.000	1.000	83.01	0.000	0.000	Ug5_2_8_L_0					
38 D	17.06	-4.4986E-03	87.85	21.87	87.85	39.31	ACTIVE	0.000	-7.400	63.43
1.000	1.000	85.30	0.000	0.000	Ug5_2_8_L_0					
39 D	17.52	-4.2160E-03	90.16	22.45	90.16	40.31	ACTIVE	0.000	-7.600	65.14
1.000	1.000	87.59	0.000	0.000	Ug5_2_8_L_0					
40 D	17.97	-3.9443E-03	92.43	23.02	92.43	41.31	ACTIVE	0.000	-7.800	66.86
1.000	1.000	89.87	0.000	0.000	Ug5_2_8_L_0					
41 D	18.43	-3.6835E-03	94.75	23.59	94.75	42.32	ACTIVE	0.000	-8.000	68.57
1.000	1.000	92.16	0.000	0.000	Ug5_2_8_L_0					
42 D	18.89	-3.4336E-03	97.06	24.17	97.06	43.32	ACTIVE	0.000	-8.200	70.29
1.000	1.000	94.45	0.000	0.000	Ug5_2_8_L_0					
43 D	19.35	-3.1946E-03	99.33	24.73	99.33	44.32	ACTIVE	0.000	-8.400	72.00
1.000	1.000	96.73	0.000	0.000	Ug5_2_8_L_0					
44 D	19.80	-2.9664E-03	101.6	25.31	101.6	45.33	ACTIVE	0.000	-8.600	73.71
1.000	1.000	99.02	0.000	0.000	Ug5_2_8_L_0					
45 D	20.26	-2.7488E-03	104.0	25.89	104.0	46.33	ACTIVE	0.000	-8.800	75.43
1.000	1.000	101.3	0.000	0.000	Ug5_2_8_L_0					
46 D	20.72	-2.5418E-03	106.3	26.46	106.3	47.34	ACTIVE	0.000	-9.000	77.14
1.000	1.000	103.6	0.000	0.000	Ug5_2_8_L_0					
47 D	21.18	-2.3451E-03	108.5	27.03	108.5	48.35	UL-RL	5.6410E+04	-9.200	78.86
1.000	1.000	105.9	0.000	0.000	Ug5_2_8_L_0					
48 D	21.64	-2.1586E-03	110.8	27.61	110.8	49.36	UL-RL	5.6410E+04	-9.400	80.57
1.000	1.000	108.2	0.000	0.000	Ug5_2_8_L_0					
49 D	22.09	-1.9821E-03	113.2	28.18	113.2	50.36	UL-RL	5.6410E+04	-9.600	82.29
1.000	1.000	110.5	0.000	0.000	Ug5_2_8_L_0					
50 D	22.55	-1.8153E-03	115.4	28.75	115.4	51.37	UL-RL	5.6410E+04	-9.800	84.00
1.000	1.000	112.8	0.000	0.000	Ug5_2_8_L_0					
51 D	23.01	-1.6580E-03	117.7	29.33	117.7	52.38	UL-RL	5.6410E+04	-10.00	85.71
1.000	1.000	115.0	0.000	0.000	Ug5_2_8_L_0					
52 D	23.47	-1.5099E-03	120.0	29.91	120.0	53.39	UL-RL	5.6410E+04	-10.20	87.43
1.000	1.000	117.3	0.000	0.000	Ug5_2_8_L_0					
53 D	23.92	-1.3708E-03	122.3	30.48	122.3	54.40	UL-RL	5.6410E+04	-10.40	89.14
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0					
54 D	24.38	-1.2403E-03	124.6	31.06	124.6	55.42	UL-RL	5.6410E+04	-10.60	90.86
1.000	1.000	121.9	0.000	0.000	Ug5_2_8_L_0					
55 D	24.84	-1.1180E-03	126.9	31.63	126.9	56.43	UL-RL	5.6410E+04	-10.80	92.57
1.000	1.000	124.2	0.000	0.000	Ug5_2_8_L_0					
56 D	25.30	-1.0038E-03	129.2	32.21	129.2	57.44	UL-RL	5.6410E+04	-11.00	94.29
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0					
57 D	25.76	-8.9706E-04	131.5	32.78	131.5	58.46	UL-RL	5.6410E+04	-11.20	96.00
1.000	1.000	128.8	0.000	0.000	Ug5_2_8_L_0					
58 D	26.21	-7.9758E-04	133.8	33.36	133.8	59.47	UL-RL	5.6410E+04	-11.40	97.71
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0					
59 D	26.67	-7.0491E-04	136.1	33.94	136.1	60.48	UL-RL	5.6410E+04	-11.60	99.43
1.000	1.000	133.4	0.000	0.000	Ug5_2_8_L_0					
60 D	27.13	-6.1864E-04	138.4	34.51	138.4	61.50	UL-RL	5.6410E+04	-11.80	101.1
1.000	1.000	135.6	0.000	0.000	Ug5_2_8_L_0					
61 D	27.59	-5.3834E-04	140.7	35.08	140.7	62.52	UL-RL	5.6410E+04	-12.00	102.9
1.000	1.000	137.9	0.000	0.000	Ug5_2_8_L_0					
62 D	31.78	-4.6357E-04	142.8	54.32	142.8	63.50	UL-RL	2.7006E+04	-12.20	104.6
1.000	1.000	158.9	0.000	0.000	Ug6_741_743_L_0					
63 D	32.70	-3.9386E-04	144.9	57.20	144.9	64.61	UL-RL	2.7006E+04	-12.40	106.3
1.000	1.000	163.5	0.000	0.000	Ug6_741_743_L_0					
64 D	33.59	-3.2876E-04	147.0	59.94	147.0	65.66	UL-RL	2.7006E+04	-12.60	108.0
1.000	1.000	167.9	0.000	0.000	Ug6_741_743_L_0					
65 D	34.46	-2.6781E-04	149.0	62.56	149.0	66.67	UL-RL	2.7006E+04	-12.80	109.7
1.000	1.000	172.3	0.000	0.000	Ug6_741_743_L_0					
66 D	35.30	-2.1060E-04	151.1	65.07	151.1	67.64	UL-RL	2.7006E+04	-13.00	111.4
1.000	1.000	176.5	0.000	0.000	Ug6_741_743_L_0					
67 D	36.13	-1.5669E-04	153.1	67.49	153.1	68.59	UL-RL	2.7006E+04	-13.20	113.1
1.000	1.000	180.6	0.000	0.000	Ug6_741_743_L_0					
68 D	36.82	-1.0569E-04	155.2	69.25	155.2	69.79	UL-RL	2.7006E+04	-13.40	114.9
1.000	1.000	184.1	0.000	0.000	Ug6_741_743_L_0					

69	D	37.47	-5.7227E-05	157.2	70.78	157.2	71.05	UL-RL	2.7006E+04	-13.60	116.6
1.000		1.000	187.4	0.000	0.000	Ug6_741_743_L_0					
70	D	38.08	-1.0936E-05	159.3	72.12	159.3	72.36	UL-RL	2.7006E+04	-13.80	118.3
1.000		1.000	190.4	0.000	0.000	Ug6_741_743_L_0					
71	D	38.68	3.3511E-05	161.3	73.42	161.3	73.65	UL-RL	2.7006E+04	-14.00	120.0
1.000		1.000	193.4	0.000	0.000	Ug6_741_743_L_0					
72	D	39.28	7.6422E-05	163.4	74.71	163.4	74.92	UL-RL	2.7006E+04	-14.20	121.7
1.000		1.000	196.4	0.000	0.000	Ug6_741_743_L_0					
73	D	39.88	1.1808E-04	165.4	75.98	165.4	76.17	UL-RL	2.7006E+04	-14.40	123.4
1.000		1.000	199.4	0.000	0.000	Ug6_741_743_L_0					
74	D	40.48	1.5873E-04	167.5	77.24	167.5	77.40	UL-RL	2.7006E+04	-14.60	125.1
1.000		1.000	202.4	0.000	0.000	Ug6_741_743_L_0					
75	D	41.07	1.9862E-04	169.5	78.48	169.5	78.63	UL-RL	2.7006E+04	-14.80	126.9
1.000		1.000	205.3	0.000	0.000	Ug6_741_743_L_0					
76	D	41.66	2.3792E-04	171.6	79.72	171.6	79.85	UL-RL	2.7006E+04	-15.00	128.6
1.000		1.000	208.3	0.000	0.000	Ug6_741_743_L_0					
77	D	42.25	2.7683E-04	173.7	80.96	173.7	81.06	UL-RL	2.7006E+04	-15.20	130.3
1.000		1.000	211.2	0.000	0.000	Ug6_741_743_L_0					
78	D	42.85	3.1547E-04	175.7	82.25	175.7	82.33	UL-RL	2.7006E+04	-15.40	132.0
1.000		1.000	214.2	0.000	0.000	Ug6_741_743_L_0					
79	D	43.45	3.5397E-04	177.8	83.54	177.8	83.60	UL-RL	2.7006E+04	-15.60	133.7
1.000		1.000	217.3	0.000	0.000	Ug6_741_743_L_0					
80	D	44.05	3.9239E-04	179.8	84.83	179.8	84.87	UL-RL	2.7006E+04	-15.80	135.4
1.000		1.000	220.3	0.000	0.000	Ug6_741_743_L_0					
81	D	22.33	4.3079E-04	181.9	86.12	181.9	86.14	UL-RL	2.7006E+04	-16.00	137.1
1.000		1.000	223.3	0.000	0.000	Ug6_741_743_L_0					

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
|                                 Exe Time :24 May 2018       18:25:47                                                          |
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New Project


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

0_R                           :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      1.0746E-02   0.000       0.000       40.00       60.41       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.767      1.0323E-02   1.714       11.55       42.00       66.22       PASSIVE   0.000       -4.200       2.286
1.000       1.000       13.84       0.000       0.000     Ug5_2_8_L_0
  23 D   5.535      9.9044E-03   3.429       23.10       44.00       64.70       PASSIVE   0.000       -4.400       4.571
1.000       1.000       27.67       0.000       0.000     Ug5_2_8_L_0
  24 D   8.302      9.4901E-03   5.143       34.65       46.00       63.25       PASSIVE   0.000       -4.600       6.857
1.000       1.000       41.51       0.000       0.000     Ug5_2_8_L_0
  25 D   11.07      9.0811E-03   6.857       46.20       48.00       61.85       PASSIVE   0.000       -4.800       9.143
1.000       1.000       55.35       0.000       0.000     Ug5_2_8_L_0
  26 D   13.84      8.6781E-03   8.571       57.75       50.00       60.52       PASSIVE   0.000       -5.000       11.43
1.000       1.000       69.18       0.000       0.000     Ug5_2_8_L_0
  27 D   16.60      8.2815E-03   10.29       69.31       52.00       69.31       PASSIVE   0.000       -5.200       13.71
1.000       1.000       83.02       0.000       0.000     Ug5_2_8_L_0
  28 D   19.37      7.8922E-03   12.00       80.86       54.00       80.86       PASSIVE   0.000       -5.400       16.00
```

1.000	1.000	96.86	0.000	0.000	Ug5_2_8_L_0						
29 D	22.14	7.5106E-03	13.71	92.41	56.00	92.41	PASSIVE	0.000	-5.600	18.29	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
30 D	24.48	7.1373E-03	15.43	101.8	58.00	101.8	V-C	9348.	-5.800	20.57	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
31 D	24.32	6.7729E-03	17.14	98.74	60.00	98.74	V-C	9348.	-6.000	22.86	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
32 D	24.18	6.4177E-03	18.86	95.78	62.00	95.78	V-C	9348.	-6.200	25.14	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
33 D	24.07	6.0721E-03	20.57	92.93	64.00	92.93	V-C	9348.	-6.400	27.43	
1.000	1.000	120.4	0.000	0.000	Ug5_2_8_L_0						
34 D	23.98	5.7365E-03	22.29	90.20	66.00	90.20	V-C	9348.	-6.600	29.71	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
35 D	23.92	5.4112E-03	24.00	87.60	68.00	87.60	V-C	9348.	-6.800	32.00	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
36 D	23.88	5.0963E-03	25.71	85.13	70.00	85.13	V-C	9348.	-7.000	34.29	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
37 D	23.87	4.7921E-03	27.43	82.78	72.00	82.78	V-C	9348.	-7.200	36.57	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
38 D	23.88	4.4986E-03	29.14	80.56	74.00	80.56	V-C	9348.	-7.400	38.86	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
39 D	23.92	4.2160E-03	30.86	78.47	76.00	78.47	V-C	9348.	-7.600	41.14	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
40 D	23.99	3.9443E-03	32.57	76.52	78.00	76.52	V-C	9348.	-7.800	43.43	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.08	3.6835E-03	34.29	74.69	80.00	74.69	V-C	9348.	-8.000	45.71	
1.000	1.000	120.4	0.000	0.000	Ug5_2_8_L_0						
42 D	24.20	3.4336E-03	36.00	72.99	82.00	72.99	V-C	9348.	-8.200	48.00	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
43 D	24.34	3.1946E-03	37.71	71.42	84.00	71.42	V-C	9348.	-8.400	50.29	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
44 D	24.51	2.9664E-03	39.43	69.97	86.00	69.97	V-C	9348.	-8.600	52.57	
1.000	1.000	122.5	0.000	0.000	Ug5_2_8_L_0						
45 D	24.70	2.7488E-03	41.14	68.65	88.00	68.65	V-C	9348.	-8.800	54.86	
1.000	1.000	123.5	0.000	0.000	Ug5_2_8_L_0						
46 D	24.92	2.5418E-03	42.86	67.45	90.00	67.45	V-C	9348.	-9.000	57.14	
1.000	1.000	124.6	0.000	0.000	Ug5_2_8_L_0						
47 D	25.16	2.3451E-03	44.57	66.37	92.00	66.37	UL-RL	2.8045E+04	-9.200	59.43	
1.000	1.000	125.8	0.000	0.000	Ug5_2_8_L_0						
48 D	25.42	2.1586E-03	46.29	65.41	94.00	65.41	UL-RL	2.8045E+04	-9.400	61.71	
1.000	1.000	127.1	0.000	0.000	Ug5_2_8_L_0						
49 D	25.71	1.9821E-03	48.00	64.56	96.00	64.56	UL-RL	2.8045E+04	-9.600	64.00	
1.000	1.000	128.6	0.000	0.000	Ug5_2_8_L_0						
50 D	26.02	1.8153E-03	49.71	63.82	98.00	63.82	UL-RL	2.8045E+04	-9.800	66.29	
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0						
51 D	26.35	1.6580E-03	51.43	63.18	100.00	63.19	UL-RL	2.8045E+04	-10.00	68.57	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
52 D	26.70	1.5099E-03	53.14	62.65	102.0	62.66	UL-RL	2.8045E+04	-10.20	70.86	
1.000	1.000	133.5	0.000	0.000	Ug5_2_8_L_0						
53 D	27.07	1.3708E-03	54.86	62.22	104.0	62.23	UL-RL	2.8045E+04	-10.40	73.14	
1.000	1.000	135.4	0.000	0.000	Ug5_2_8_L_0						
54 D	27.46	1.2403E-03	56.57	61.89	106.0	61.90	UL-RL	2.8045E+04	-10.60	75.43	
1.000	1.000	137.3	0.000	0.000	Ug5_2_8_L_0						
55 D	27.87	1.1180E-03	58.29	61.65	108.0	61.66	UL-RL	2.8045E+04	-10.80	77.71	
1.000	1.000	139.4	0.000	0.000	Ug5_2_8_L_0						
56 D	28.30	1.0038E-03	60.00	61.49	110.0	61.51	UL-RL	2.8045E+04	-11.00	80.00	
1.000	1.000	141.5	0.000	0.000	Ug5_2_8_L_0						
57 D	28.74	8.9706E-04	61.71	61.42	112.0	61.44	UL-RL	2.8045E+04	-11.20	82.29	
1.000	1.000	143.7	0.000	0.000	Ug5_2_8_L_0						
58 D	29.20	7.9758E-04	63.43	61.42	114.0	61.45	UL-RL	2.8045E+04	-11.40	84.57	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
59 D	29.67	7.0491E-04	65.14	61.50	116.0	61.53	UL-RL	2.8045E+04	-11.60	86.86	
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0						
60 D	30.16	6.1864E-04	66.86	61.65	118.0	61.68	UL-RL	2.8045E+04	-11.80	89.14	
1.000	1.000	150.8	0.000	0.000	Ug5_2_8_L_0						
61 D	30.66	5.3834E-04	68.57	61.86	120.0	61.89	UL-RL	2.8045E+04	-12.00	91.43	
1.000	1.000	153.3	0.000	0.000	Ug5_2_8_L_0						
62 D	30.57	4.6357E-04	70.09	59.14	121.8	61.46	UL-RL	2.1089E+04	-12.20	93.71	
1.000	1.000	152.9	0.000	0.000	Ug6_741_743_L_0						
63 D	30.90	3.9386E-04	71.60	58.52	123.6	62.35	UL-RL	2.1089E+04	-12.40	96.00	
1.000	1.000	154.5	0.000	0.000	Ug6_741_743_L_0						
64 D	31.26	3.2876E-04	73.11	58.01	125.4	63.23	UL-RL	2.1089E+04	-12.60	98.29	
1.000	1.000	156.3	0.000	0.000	Ug6_741_743_L_0						
65 D	31.63	2.6781E-04	74.63	57.59	127.2	64.12	UL-RL	2.1089E+04	-12.80	100.6	
1.000	1.000	158.2	0.000	0.000	Ug6_741_743_L_0						
66 D	32.02	2.1060E-04	76.14	57.26	129.0	65.01	UL-RL	2.1089E+04	-13.00	102.9	
1.000	1.000	160.1	0.000	0.000	Ug6_741_743_L_0						
67 D	32.43	1.5669E-04	77.66	57.00	130.8	65.89	UL-RL	2.1089E+04	-13.20	105.1	
1.000	1.000	162.1	0.000	0.000	Ug6_741_743_L_0						
68 D	32.85	1.0569E-04	79.17	56.81	132.6	66.78	UL-RL	2.1089E+04	-13.40	107.4	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						

69	D	33.28	5.7227E-05	80.69	56.68	134.4	67.67	UL-RL	2.1089E+04	-13.60	109.7
1.000		1.000	166.4	0.000	0.000	Ug6_741_743_L_0					
70	D	33.72	1.0936E-05	82.20	56.59	136.2	68.55	UL-RL	2.1089E+04	-13.80	112.0
1.000		1.000	168.6	0.000	0.000	Ug6_741_743_L_0					
71	D	34.17	-3.3511E-05	83.71	56.55	138.0	69.44	UL-RL	2.1089E+04	-14.00	114.3
1.000		1.000	170.8	0.000	0.000	Ug6_741_743_L_0					
72	D	34.62	-7.6422E-05	85.23	56.54	139.8	70.33	UL-RL	2.1089E+04	-14.20	116.6
1.000		1.000	173.1	0.000	0.000	Ug6_741_743_L_0					
73	D	35.08	-1.1808E-04	86.74	56.56	141.6	71.22	UL-RL	2.1089E+04	-14.40	118.9
1.000		1.000	175.4	0.000	0.000	Ug6_741_743_L_0					
74	D	35.55	-1.5873E-04	88.26	56.60	143.4	72.11	UL-RL	2.1089E+04	-14.60	121.1
1.000		1.000	177.7	0.000	0.000	Ug6_741_743_L_0					
75	D	36.02	-1.9862E-04	89.77	56.65	145.2	73.00	UL-RL	2.1089E+04	-14.80	123.4
1.000		1.000	180.1	0.000	0.000	Ug6_741_743_L_0					
76	D	36.49	-2.3792E-04	91.29	56.72	147.0	73.89	UL-RL	2.1089E+04	-15.00	125.7
1.000		1.000	182.4	0.000	0.000	Ug6_741_743_L_0					
77	D	36.96	-2.7683E-04	92.80	56.80	148.8	74.78	UL-RL	2.1089E+04	-15.20	128.0
1.000		1.000	184.8	0.000	0.000	Ug6_741_743_L_0					
78	D	37.43	-3.1547E-04	94.31	56.88	150.6	75.67	UL-RL	2.1089E+04	-15.40	130.3
1.000		1.000	187.2	0.000	0.000	Ug6_741_743_L_0					
79	D	37.91	-3.5397E-04	95.83	56.97	152.4	76.56	UL-RL	2.1089E+04	-15.60	132.6
1.000		1.000	189.5	0.000	0.000	Ug6_741_743_L_0					
80	D	38.38	-3.9239E-04	97.34	57.05	154.2	77.45	UL-RL	2.1089E+04	-15.80	134.9
1.000		1.000	191.9	0.000	0.000	Ug6_741_743_L_0					
81	D	19.43	-4.3079E-04	98.86	57.14	156.0	78.34	UL-RL	2.1089E+04	-16.00	137.1
1.000		1.000	194.3	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 3.17780E-09-3.17780E-09 3.15935E-10 3.64109E-10
    2 0.45715    -0.45715    -2.61674E-10 9.14302E-02
    3  1.3738     -1.3738    -9.14302E-02 0.36619
    4  2.7529     -2.7529    -0.36619     0.91677
    5  4.5967     -4.5967    -0.91677      1.8361
    6  6.9062     -6.9062     -1.8361      3.2174
    7  9.6814     -9.6814     -3.2174      5.1536
    8  12.928     -12.928     -5.1536      7.7393
    9  16.650     -16.650     -7.7393      11.069
   10  20.832     -20.832     -11.069      15.236
   11  25.485     -25.485     -15.236      20.333
   12  30.604     -30.604     -20.333      26.453
   13  36.182     -36.182     -26.453      33.690
   14  42.226     -42.226     -33.690      42.135
   15  48.734     -48.734     -42.135      51.882
   16  55.704     -55.704     -51.882      63.023
   17  63.133     -63.133     -63.023      75.649
   18  71.023     -71.023     -75.649      89.854
   19  79.374     -79.374     -89.854      105.73
   20  88.183     -88.183     -105.73      123.37
   21  97.452     -97.452     -123.37      142.86
   22  104.42     -104.42     -142.86      163.74
   23  109.07     -109.07     -163.74      185.55
   24  111.41     -111.41     -185.55      207.83
   25  111.45     -111.45     -207.83      230.12
   26  109.18     -109.18     -230.12      251.96
   27  104.60     -104.60     -251.96      272.88
   28  97.707     -97.707     -272.88      292.42
   29  88.509     -88.509     -292.42      310.12
   30  77.428     -77.428     -310.12      325.61
   31  66.964     -66.964     -325.61      339.00
   32  57.095     -57.095     -339.00      350.42
   33  47.794     -47.794     -350.42      359.98
   34  39.040     -39.040     -359.98      367.79
   35  30.807     -30.807     -367.79      373.95
   36  23.071     -23.071     -373.95      378.56
   37  15.803     -15.803     -378.56      381.72
   38  8.9795     -8.9795     -381.72      383.52
   39  2.5746     -2.5746     -383.52      384.03
   40 -3.4399      3.4399     -384.03      383.35
   41 -9.0879      9.0879     -383.35      381.53
   42 -14.395      14.395     -381.53      378.65
   43 -19.389      19.389     -378.65      374.77
   44 -24.093      24.093     -374.77      369.95
   45 -28.532      28.532     -369.95      364.25
   46 -32.731      32.731     -364.25      357.70
   47 -36.714      36.714     -357.70      350.36
   48 -40.504      40.504     -350.36      342.26
   49 -44.124      44.124     -342.26      333.43
   50 -47.596      47.596     -333.43      323.91
   51 -50.942      50.942     -323.91      313.72
   52 -54.182      54.182     -313.72      302.89
   53 -57.337      57.337     -302.89      291.42
   54 -60.425      60.425     -291.42      279.34
   55 -63.464      63.464     -279.34      266.64
   56 -66.472      66.472     -266.64      253.35
   57 -69.466      69.466     -253.35      239.46
   58 -72.462      72.462     -239.46      224.96
   59 -75.474      75.474     -224.96      209.87
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   60 -78.516      78.516     -209.87      194.16
   61 -81.601      81.601     -194.16      177.84
   62 -80.394      80.394     -177.84      161.77
   63 -78.601      78.601     -161.77      146.05
   64 -76.270      76.270     -146.05      130.79
   65 -73.447      73.447     -130.79      116.10
   66 -70.170      70.170     -116.10      102.07
   67 -66.473      66.473     -102.07      88.773
   68 -62.501      62.501     -88.773      76.273
   69 -58.308      58.308     -76.273      64.611
   70 -53.947      53.947     -64.611      53.822
   71 -49.429      49.429     -53.822      43.936
   72 -44.767      44.767     -43.936      34.983
   73 -39.968      39.968     -34.983      26.989
   74 -35.040      35.040     -26.989      19.981
   75 -29.988      29.988     -19.981      13.983
   76 -24.816      24.816     -13.983      9.0202
   77 -19.527      19.527     -9.0202      5.1149
   78 -14.110      14.110     -5.1149      2.2929
   79 -8.5669      8.5669     -2.2929     0.57956
   80 -2.8976      2.8976    -0.57956    -1.74749E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6121E+06 RIMNOR=0.8268E+07
           RENORM= 441.9     REMNOR=0.1295E-17 RATIO =0.2687E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.4     RMMAX = 384.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6121E+06 RDR   =0.8268E+07
           RATIOT=0.2687E-01 RATIOR= 0.000
           MAX UN= 7.064     IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.8312E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6121E+06 RIMNOR=0.8268E+07
           RENORM= 126.8     REMNOR=0.1872E-17 RATIO =0.1439E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.4     RMMAX = 384.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6121E+06 RDR   =0.8268E+07
           RATIOT=0.1439E-01 RATIOR= 0.000
           MAX UN= 2.447     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.6929E-08 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6121E+06 RIMNOR=0.8268E+07
           RENORM= 463.8     REMNOR=0.2041E-17 RATIO =0.2753E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.4     RMMAX = 384.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6121E+06 RDR   =0.8268E+07
           RATIOT=0.2753E-01 RATIOR= 0.000
           MAX UN= 21.42     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5804     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6121E+06 RIMNOR=0.8268E+07
           RENORM= 3.140     REMNOR=0.3408E-17 RATIO =0.2265E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.4     RMMAX = 384.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6121E+06 RDR   =0.8268E+07
           RATIOT=0.2265E-02 RATIOR= 0.000
           MAX UN= 1.268     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.8810     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6121E+06 RIMNOR=0.8268E+07
           RENORM=0.6185E-02 REMNOR=0.2148E-17 RATIO =0.1005E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.4     RMMAX = 384.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6121E+06 RDR   =0.8268E+07
           RATIOT=0.1005E-03 RATIOR= 0.000
           MAX UN=0.5944E-01 IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.9262E-08 IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.6121E+06 RIMNOR=0.8268E+07
            RENORM=0.4069E-04 REMNOR=0.1375E-17 RATIO =0.8154E-05 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 111.4      RMMAX = 384.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.6121E+06 RDR   =0.8268E+07
            RATIOT=0.8154E-05 RATIOR= 0.000
            MAX UN=0.8335E-08 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
            MIN UN=-.2343E-02 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0171579E-02  -3.1743850E-03
    2   2.9536702E-02  -3.1743850E-03
    3   2.8901825E-02  -3.1743786E-03
    4   2.8266952E-02  -3.1743465E-03
    5   2.7632091E-02  -3.1742564E-03
    6   2.6997257E-02  -3.1740632E-03
    7   2.6362476E-02  -3.1737084E-03
    8   2.5727789E-02  -3.1731207E-03
    9   2.5093249E-02  -3.1722155E-03
   10   2.4458930E-02  -3.1708949E-03
   11   2.3824926E-02  -3.1690480E-03
   12   2.3191354E-02  -3.1665507E-03
   13   2.2558358E-02  -3.1632658E-03
   14   2.1926111E-02  -3.1590429E-03
   15   2.1294815E-02  -3.1537190E-03
   16   2.0664708E-02  -3.1471176E-03
   17   2.0036062E-02  -3.1390496E-03
   18   1.9409197E-02  -3.1293128E-03
   19   1.8784463E-02  -3.1176919E-03
   20   1.8162261E-02  -3.1039590E-03
   21   1.7543039E-02  -3.0878732E-03
   22   1.6927288E-02  -3.0691803E-03
   23   1.6315559E-02  -3.0476137E-03
   24   1.5708453E-02  -3.0228938E-03
   25   1.5106630E-02  -2.9947471E-03
   26   1.4510798E-02  -2.9629459E-03
   27   1.3921709E-02  -2.9273266E-03
   28   1.3340131E-02  -2.8877901E-03
   29   1.2766856E-02  -2.8443020E-03
   30   1.2202672E-02  -2.7968925E-03
   31   1.1648354E-02  -2.7456564E-03
   32   1.1104656E-02  -2.6907531E-03
   33   1.0572285E-02  -2.6324061E-03
   34   1.0051904E-02  -2.5709039E-03
   35   9.5441105E-03  -2.5065996E-03
   36   9.0494250E-03  -2.4398868E-03
   37   8.5682926E-03  -2.3711570E-03
   38   8.1010745E-03  -2.3007789E-03
   39   7.6480677E-03  -2.2291013E-03
   40   7.2094988E-03  -2.1564527E-03
   41   6.7855307E-03  -2.0831427E-03
   42   6.3762664E-03  -2.0094626E-03
   43   5.9817521E-03  -1.9356864E-03
   44   5.6019810E-03  -1.8620721E-03
   45   5.2368981E-03  -1.7888623E-03
   46   4.8863958E-03  -1.7162840E-03
   47   4.5503280E-03  -1.6445519E-03
   48   4.2285052E-03  -1.5738672E-03
   49   3.9206987E-03  -1.5044194E-03
   50   3.6266445E-03  -1.4363874E-03
   51   3.3460397E-03  -1.3699387E-03
   52   3.0785464E-03  -1.3052307E-03
   53   2.8238268E-03  -1.2424201E-03
   54   2.5814557E-03  -1.1816412E-03
   55   2.3510257E-03  -1.1230322E-03
   56   2.1320896E-03  -1.0667220E-03
   57   1.9241754E-03  -1.0128335E-03
   58   1.7267869E-03  -9.6148451E-04
   59   1.5394048E-03  -9.1278846E-04
   60   1.3614874E-03  -8.6685482E-04
   61   1.1924716E-03  -8.2378973E-04
   62   1.0317734E-03  -7.8369645E-04
   63   8.7879137E-04  -7.4662776E-04
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64	7.3292045E-04	-7.1258602E-04
65	5.9355514E-04	-6.8157150E-04
66	4.6009098E-04	-6.5356999E-04
67	3.3192916E-04	-6.2853830E-04
68	2.0848258E-04	-6.0640276E-04
69	8.9181717E-05	-5.8706228E-04
70	-2.6520312E-05	-5.7039157E-04
71	-1.3914317E-04	-5.5624476E-04
72	-2.4917567E-04	-5.4445974E-04
73	-3.5707276E-04	-5.3486011E-04
74	-4.6325272E-04	-5.2725563E-04
75	-5.6809443E-04	-5.2144255E-04
76	-6.7193470E-04	-5.1720388E-04
77	-7.7506561E-04	-5.1430963E-04
78	-8.7773198E-04	-5.1251688E-04
79	-9.8012875E-04	-5.1156982E-04
80	-1.0823984E-03	-5.1119956E-04
81	-1.1846333E-03	-5.1112420E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                              |
 |                                 Exe Time :24 May 2018       18:25:47                                                        |
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 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------
   1 D   0.000     -3.0172E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4509     -2.9537E-02   2.337      0.5818       2.337       1.690          ACTIVE   0.000     -0.2000       1.673
1.000       1.000       2.255       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9041     -2.8902E-02   4.720       1.175       4.720       3.281          ACTIVE   0.000     -0.4000       3.345
1.000       1.000       4.521       0.000       0.000     Ug5_2_8_L_0
   4 D   1.360     -2.8267E-02   7.164       1.784       7.164       4.727          ACTIVE   0.000     -0.6000       5.018
1.000       1.000       6.802       0.000       0.000     Ug5_2_8_L_0
   5 D   1.819     -2.7632E-02   9.652       2.403       9.652       6.034          ACTIVE   0.000     -0.8000       6.691
1.000       1.000       9.094       0.000       0.000     Ug5_2_8_L_0
   6 D   2.278     -2.6997E-02   12.16       3.028       12.16       7.235          ACTIVE   0.000      -1.000       8.364
1.000       1.000       11.39       0.000       0.000     Ug5_2_8_L_0
   7 D   2.738     -2.6362E-02   14.67       3.652       14.67       8.362          ACTIVE   0.000      -1.200       10.04
1.000       1.000       13.69       0.000       0.000     Ug5_2_8_L_0
   8 D   3.203     -2.5728E-02   17.30       4.308       17.30       9.440          ACTIVE   0.000      -1.400       11.71
1.000       1.000       16.02       0.000       0.000     Ug5_2_8_L_0
   9 D   3.671     -2.5093E-02   19.97       4.974       19.97       10.49          ACTIVE   0.000      -1.600       13.38
1.000       1.000       18.36       0.000       0.000     Ug5_2_8_L_0
  10 D   4.127     -2.4459E-02   22.40       5.579       22.40       11.51          ACTIVE   0.000      -1.800       15.05
1.000       1.000       20.63       0.000       0.000     Ug5_2_8_L_0
  11 D   4.590     -2.3825E-02   24.99       6.221       24.99       12.52          ACTIVE   0.000      -2.000       16.73
1.000       1.000       22.95       0.000       0.000     Ug5_2_8_L_0
  12 D   5.051     -2.3191E-02   27.53       6.854       27.53       13.53          ACTIVE   0.000      -2.200       18.40
1.000       1.000       25.25       0.000       0.000     Ug5_2_8_L_0
  13 D   5.504     -2.2558E-02   29.90       7.445       29.90       14.52          ACTIVE   0.000      -2.400       20.07
1.000       1.000       27.52       0.000       0.000     Ug5_2_8_L_0
  14 D   5.962     -2.1926E-02   32.40       8.067       32.40       15.52          ACTIVE   0.000      -2.600       21.75
1.000       1.000       29.81       0.000       0.000     Ug5_2_8_L_0
  15 D   6.420     -2.1295E-02   34.87       8.683       34.87       16.51          ACTIVE   0.000      -2.800       23.42
1.000       1.000       32.10       0.000       0.000     Ug5_2_8_L_0
  16 D   6.877     -2.0665E-02   37.33       9.295       37.33       17.49          ACTIVE   0.000      -3.000       25.09
1.000       1.000       34.39       0.000       0.000     Ug5_2_8_L_0
  17 D   7.328     -2.0036E-02   39.67       9.877       39.67       18.48          ACTIVE   0.000      -3.200       26.76
1.000       1.000       36.64       0.000       0.000     Ug5_2_8_L_0
  18 D   7.784     -1.9409E-02   42.10       10.48       42.10       19.47          ACTIVE   0.000      -3.400       28.44
1.000       1.000       38.92       0.000       0.000     Ug5_2_8_L_0
  19 D   8.239     -1.8784E-02   44.53       11.09       44.53       20.46          ACTIVE   0.000      -3.600       30.11
1.000       1.000       41.20       0.000       0.000     Ug5_2_8_L_0
  20 D   8.690     -1.8162E-02   46.86       11.67       46.86       21.44          ACTIVE   0.000      -3.800       31.78
1.000       1.000       43.45       0.000       0.000     Ug5_2_8_L_0
  21 D   9.145     -1.7543E-02   49.27       12.27       49.27       22.43          ACTIVE   0.000      -4.000       33.45
1.000       1.000       45.72       0.000       0.000     Ug5_2_8_L_0
  22 D   9.599     -1.6927E-02   51.68       12.87       51.68       23.42          ACTIVE   0.000      -4.200       35.13
1.000       1.000       47.99       0.000       0.000     Ug5_2_8_L_0
  23 D   10.05     -1.6316E-02   54.00       13.45       54.00       24.40          ACTIVE   0.000      -4.400       36.80
1.000       1.000       50.25       0.000       0.000     Ug5_2_8_L_0
  24 D   10.50     -1.5708E-02   56.39       14.04       56.39       25.39          ACTIVE   0.000      -4.600       38.47
1.000       1.000       52.51       0.000       0.000     Ug5_2_8_L_0
  25 D   10.96     -1.5107E-02   58.78       14.64       58.78       26.38          ACTIVE   0.000      -4.800       40.15
1.000       1.000       54.78       0.000       0.000     Ug5_2_8_L_0
  26 D   11.41     -1.4511E-02   61.17       15.23       61.17       27.37          ACTIVE   0.000      -5.000       41.82
1.000       1.000       57.05       0.000       0.000     Ug5_2_8_L_0
  27 D   11.86     -1.3922E-02   63.49       15.81       63.49       28.36          ACTIVE   0.000      -5.200       43.49
1.000       1.000       59.30       0.000       0.000     Ug5_2_8_L_0
  28 D   12.31     -1.3340E-02   65.87       16.40       65.87       29.35          ACTIVE   0.000      -5.400       45.16
```

1.000	1.000	61.56	0.000	0.000	Ug5_2_8_L_0						
29 D	12.77	-1.2767E-02	68.24	16.99	68.24	30.34	ACTIVE	0.000	-5.600	46.84	
1.000	1.000	63.83	0.000	0.000	Ug5_2_8_L_0						
30 D	13.22	-1.2203E-02	70.56	17.57	70.56	31.34	ACTIVE	0.000	-5.800	48.51	
1.000	1.000	66.08	0.000	0.000	Ug5_2_8_L_0						
31 D	13.67	-1.1648E-02	72.93	18.16	72.93	32.33	ACTIVE	0.000	-6.000	50.18	
1.000	1.000	68.34	0.000	0.000	Ug5_2_8_L_0						
32 D	14.12	-1.1105E-02	75.30	18.75	75.30	33.33	ACTIVE	0.000	-6.200	51.85	
1.000	1.000	70.60	0.000	0.000	Ug5_2_8_L_0						
33 D	14.57	-1.0572E-02	77.62	19.33	77.62	34.32	ACTIVE	0.000	-6.400	53.53	
1.000	1.000	72.85	0.000	0.000	Ug5_2_8_L_0						
34 D	15.02	-1.0052E-02	79.98	19.92	79.98	35.32	ACTIVE	0.000	-6.600	55.20	
1.000	1.000	75.12	0.000	0.000	Ug5_2_8_L_0						
35 D	15.48	-9.5441E-03	82.35	20.50	82.35	36.32	ACTIVE	0.000	-6.800	56.87	
1.000	1.000	77.38	0.000	0.000	Ug5_2_8_L_0						
36 D	15.93	-9.0494E-03	84.71	21.09	84.71	37.31	ACTIVE	0.000	-7.000	58.55	
1.000	1.000	79.64	0.000	0.000	Ug5_2_8_L_0						
37 D	16.38	-8.5683E-03	87.02	21.67	87.02	38.31	ACTIVE	0.000	-7.200	60.22	
1.000	1.000	81.89	0.000	0.000	Ug5_2_8_L_0						
38 D	16.83	-8.1011E-03	89.38	22.26	89.38	39.31	ACTIVE	0.000	-7.400	61.89	
1.000	1.000	84.15	0.000	0.000	Ug5_2_8_L_0						
39 D	17.28	-7.6481E-03	91.74	22.84	91.74	40.31	ACTIVE	0.000	-7.600	63.56	
1.000	1.000	86.41	0.000	0.000	Ug5_2_8_L_0						
40 D	17.73	-7.2095E-03	94.06	23.42	94.06	41.31	ACTIVE	0.000	-7.800	65.24	
1.000	1.000	88.66	0.000	0.000	Ug5_2_8_L_0						
41 D	18.18	-6.7855E-03	96.41	24.01	96.41	42.32	ACTIVE	0.000	-8.000	66.91	
1.000	1.000	90.92	0.000	0.000	Ug5_2_8_L_0						
42 D	18.63	-6.3763E-03	98.77	24.59	98.77	43.32	ACTIVE	0.000	-8.200	68.58	
1.000	1.000	93.17	0.000	0.000	Ug5_2_8_L_0						
43 D	19.08	-5.9818E-03	101.1	25.17	101.1	44.32	ACTIVE	0.000	-8.400	70.25	
1.000	1.000	95.42	0.000	0.000	Ug5_2_8_L_0						
44 D	19.54	-5.6020E-03	103.4	25.76	103.4	45.33	ACTIVE	0.000	-8.600	71.93	
1.000	1.000	97.68	0.000	0.000	Ug5_2_8_L_0						
45 D	19.99	-5.2369E-03	105.8	26.34	105.8	46.33	ACTIVE	0.000	-8.800	73.60	
1.000	1.000	99.94	0.000	0.000	Ug5_2_8_L_0						
46 D	20.44	-4.8864E-03	108.1	26.93	108.1	47.34	ACTIVE	0.000	-9.000	75.27	
1.000	1.000	102.2	0.000	0.000	Ug5_2_8_L_0						
47 D	20.89	-4.5503E-03	110.5	27.50	110.5	48.35	ACTIVE	0.000	-9.200	76.95	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
48 D	21.34	-4.2285E-03	112.8	28.09	112.8	49.36	ACTIVE	0.000	-9.400	78.62	
1.000	1.000	106.7	0.000	0.000	Ug5_2_8_L_0						
49 D	21.79	-3.9207E-03	115.2	28.67	115.2	50.36	ACTIVE	0.000	-9.600	80.29	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
50 D	22.24	-3.6266E-03	117.5	29.25	117.5	51.37	ACTIVE	0.000	-9.800	81.96	
1.000	1.000	111.2	0.000	0.000	Ug5_2_8_L_0						
51 D	22.69	-3.3460E-03	119.8	29.83	119.8	52.38	ACTIVE	0.000	-10.00	83.64	
1.000	1.000	113.5	0.000	0.000	Ug5_2_8_L_0						
52 D	23.15	-3.0785E-03	122.2	30.42	122.2	53.39	ACTIVE	0.000	-10.20	85.31	
1.000	1.000	115.7	0.000	0.000	Ug5_2_8_L_0						
53 D	23.60	-2.8238E-03	124.5	30.99	124.5	54.40	ACTIVE	0.000	-10.40	86.98	
1.000	1.000	118.0	0.000	0.000	Ug5_2_8_L_0						
54 D	24.05	-2.5815E-03	126.8	31.58	126.8	55.42	ACTIVE	0.000	-10.60	88.65	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
55 D	24.50	-2.3510E-03	129.2	32.16	129.2	56.43	ACTIVE	0.000	-10.80	90.33	
1.000	1.000	122.5	0.000	0.000	Ug5_2_8_L_0						
56 D	24.95	-2.1321E-03	131.5	32.75	131.5	57.44	ACTIVE	0.000	-11.00	92.00	
1.000	1.000	124.7	0.000	0.000	Ug5_2_8_L_0						
57 D	25.40	-1.9242E-03	133.8	33.32	133.8	58.46	ACTIVE	0.000	-11.20	93.67	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
58 D	25.85	-1.7268E-03	136.2	33.91	136.2	59.47	ACTIVE	0.000	-11.40	95.35	
1.000	1.000	129.3	0.000	0.000	Ug5_2_8_L_0						
59 D	26.30	-1.5394E-03	138.5	34.49	138.5	60.48	ACTIVE	0.000	-11.60	97.02	
1.000	1.000	131.5	0.000	0.000	Ug5_2_8_L_0						
60 D	26.75	-1.3615E-03	140.8	35.07	140.8	61.50	ACTIVE	0.000	-11.80	98.69	
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0						
61 D	27.20	-1.1925E-03	143.2	35.66	143.2	62.52	UL-RL	5.0142E+04	-12.00	100.4	
1.000	1.000	136.0	0.000	0.000	Ug5_2_8_L_0						
62 D	30.51	-1.0318E-03	145.3	50.49	145.3	63.50	UL-RL	2.4005E+04	-12.20	102.0	
1.000	1.000	152.5	0.000	0.000	Ug6_741_743_L_0						
63 D	31.02	-8.7879E-04	147.5	51.38	147.5	64.61	UL-RL	2.4005E+04	-12.40	103.7	
1.000	1.000	155.1	0.000	0.000	Ug6_741_743_L_0						
64 D	31.53	-7.3292E-04	149.6	52.26	149.6	65.66	UL-RL	2.4005E+04	-12.60	105.4	
1.000	1.000	157.6	0.000	0.000	Ug6_741_743_L_0						
65 D	32.63	-5.9356E-04	151.7	56.07	151.7	66.67	UL-RL	2.4005E+04	-12.80	107.1	
1.000	1.000	163.1	0.000	0.000	Ug6_741_743_L_0						
66 D	33.83	-4.6009E-04	153.8	60.43	153.8	67.64	UL-RL	2.4005E+04	-13.00	108.7	
1.000	1.000	169.2	0.000	0.000	Ug6_741_743_L_0						
67 D	35.01	-3.3193E-04	155.9	64.65	155.9	68.86	UL-RL	2.4005E+04	-13.20	110.4	
1.000	1.000	175.1	0.000	0.000	Ug6_741_743_L_0						
68 D	36.05	-2.0848E-04	158.0	68.17	158.0	70.64	UL-RL	2.4005E+04	-13.40	112.1	
1.000	1.000	180.2	0.000	0.000	Ug6_741_743_L_0						

69 D	37.03	-8.9182E-05	160.1	71.43	160.1	72.20	UL-RL	2.4005E+04	-13.60	113.7
1.000	1.000	185.2	0.000	0.000	Ug6_741_743_L_0					
70 D	37.85	2.6520E-05	162.1	73.84	162.1	73.86	UL-RL	2.4005E+04	-13.80	115.4
1.000	1.000	189.3	0.000	0.000	Ug6_741_743_L_0					
71 D	38.56	1.3914E-04	164.2	75.71	164.2	75.73	UL-RL	2.4005E+04	-14.00	117.1
1.000	1.000	192.8	0.000	0.000	Ug6_741_743_L_0					
72 D	39.26	2.4918E-04	166.3	77.56	166.3	77.57	UL-RL	2.4005E+04	-14.20	118.8
1.000	1.000	196.3	0.000	0.000	Ug6_741_743_L_0					
73 D	39.96	3.5707E-04	168.4	79.38	168.4	79.39	UL-RL	2.4005E+04	-14.40	120.4
1.000	1.000	199.8	0.000	0.000	Ug6_741_743_L_0					
74 D	40.66	4.6325E-04	170.5	81.18	170.5	81.20	UL-RL	2.4005E+04	-14.60	122.1
1.000	1.000	203.3	0.000	0.000	Ug6_741_743_L_0					
75 D	41.35	5.6809E-04	172.6	82.97	172.6	82.98	UL-RL	2.4005E+04	-14.80	123.8
1.000	1.000	206.8	0.000	0.000	Ug6_741_743_L_0					
76 D	42.04	6.7193E-04	174.7	84.75	174.7	84.76	UL-RL	2.4005E+04	-15.00	125.5
1.000	1.000	210.2	0.000	0.000	Ug6_741_743_L_0					
77 D	42.73	7.7507E-04	176.8	86.52	176.8	86.53	UL-RL	2.4005E+04	-15.20	127.1
1.000	1.000	213.6	0.000	0.000	Ug6_741_743_L_0					
78 D	43.43	8.7773E-04	178.9	88.34	178.9	88.35	UL-RL	2.4005E+04	-15.40	128.8
1.000	1.000	217.1	0.000	0.000	Ug6_741_743_L_0					
79 D	44.13	9.8013E-04	181.0	90.16	181.0	90.17	UL-RL	2.4005E+04	-15.60	130.5
1.000	1.000	220.6	0.000	0.000	Ug6_741_743_L_0					
80 D	44.83	1.0824E-03	183.1	91.98	183.1	91.99	UL-RL	2.4005E+04	-15.80	132.1
1.000	1.000	224.1	0.000	0.000	Ug6_741_743_L_0					
81 D	22.76	1.1846E-03	185.2	93.80	185.2	93.81	UL-RL	2.4005E+04	-16.00	133.8
1.000	1.000	227.6	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.360       1.5708E-02  0.8364      5.635       46.00       63.25       PASSIVE   0.000      -4.600       1.164
1.000       1.000       6.799       0.000       0.000     Ug5_2_8_L_0
  25 D   4.079       1.5107E-02  2.509       16.91       48.00       61.85       PASSIVE   0.000      -4.800       3.491
1.000       1.000       20.40       0.000       0.000     Ug5_2_8_L_0
  26 D   6.799       1.4511E-02  4.182       28.18       50.00       60.52       PASSIVE   0.000      -5.000       5.818
1.000       1.000       34.00       0.000       0.000     Ug5_2_8_L_0
  27 D   9.519       1.3922E-02  5.855       39.45       52.00       69.31       PASSIVE   0.000      -5.200       8.145
1.000       1.000       47.59       0.000       0.000     Ug5_2_8_L_0
  28 D   12.24       1.3340E-02  7.527       50.72       54.00       80.86       PASSIVE   0.000      -5.400       10.47
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1.000	1.000	61.19	0.000	0.000	Ug5_2_8_L_0						
29 D	14.96	1.2767E-02	9.200	61.99	56.00	92.41	PASSIVE	0.000	-5.600	12.80	
1.000	1.000	74.79	0.000	0.000	Ug5_2_8_L_0						
30 D	17.68	1.2203E-02	10.87	73.26	58.00	101.8	PASSIVE	0.000	-5.800	15.13	
1.000	1.000	88.39	0.000	0.000	Ug5_2_8_L_0						
31 D	20.40	1.1648E-02	12.55	84.53	60.00	98.74	PASSIVE	0.000	-6.000	17.45	
1.000	1.000	102.0	0.000	0.000	Ug5_2_8_L_0						
32 D	23.12	1.1105E-02	14.22	95.80	62.00	95.80	PASSIVE	0.000	-6.200	19.78	
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0						
33 D	25.84	1.0572E-02	15.89	107.1	64.00	107.1	PASSIVE	0.000	-6.400	22.11	
1.000	1.000	129.2	0.000	0.000	Ug5_2_8_L_0						
34 D	28.56	1.0052E-02	17.56	118.3	66.00	118.3	PASSIVE	0.000	-6.600	24.44	
1.000	1.000	142.8	0.000	0.000	Ug5_2_8_L_0						
35 D	29.60	9.5441E-03	19.24	121.2	68.00	121.2	V-C	8310.	-6.800	26.76	
1.000	1.000	148.0	0.000	0.000	Ug5_2_8_L_0						
36 D	29.27	9.0494E-03	20.91	117.3	70.00	117.3	V-C	8310.	-7.000	29.09	
1.000	1.000	146.4	0.000	0.000	Ug5_2_8_L_0						
37 D	28.98	8.5683E-03	22.58	113.5	72.00	113.5	V-C	8310.	-7.200	31.42	
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0						
38 D	28.71	8.1011E-03	24.25	109.8	74.00	109.8	V-C	8310.	-7.400	33.75	
1.000	1.000	143.6	0.000	0.000	Ug5_2_8_L_0						
39 D	28.48	7.6481E-03	25.93	106.3	76.00	106.3	V-C	8310.	-7.600	36.07	
1.000	1.000	142.4	0.000	0.000	Ug5_2_8_L_0						
40 D	28.28	7.2095E-03	27.60	103.0	78.00	103.0	V-C	8310.	-7.800	38.40	
1.000	1.000	141.4	0.000	0.000	Ug5_2_8_L_0						
41 D	28.11	6.7855E-03	29.27	99.80	80.00	99.80	V-C	8310.	-8.000	40.73	
1.000	1.000	140.5	0.000	0.000	Ug5_2_8_L_0						
42 D	27.97	6.3763E-03	30.95	96.78	82.00	96.78	V-C	8310.	-8.200	43.05	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
43 D	27.86	5.9818E-03	32.62	93.92	84.00	93.92	V-C	8310.	-8.400	45.38	
1.000	1.000	139.3	0.000	0.000	Ug5_2_8_L_0						
44 D	27.79	5.6020E-03	34.29	91.22	86.00	91.22	V-C	8310.	-8.600	47.71	
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0						
45 D	27.74	5.2369E-03	35.96	88.67	88.00	88.67	V-C	8310.	-8.800	50.04	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
46 D	27.73	4.8864E-03	37.64	86.28	90.00	86.28	V-C	8310.	-9.000	52.36	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
47 D	27.75	4.5503E-03	39.31	84.05	92.00	84.05	V-C	8310.	-9.200	54.69	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
48 D	27.80	4.2285E-03	40.98	81.96	94.00	81.96	V-C	8310.	-9.400	57.02	
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0						
49 D	27.87	3.9207E-03	42.65	80.02	96.00	80.02	V-C	8310.	-9.600	59.35	
1.000	1.000	139.4	0.000	0.000	Ug5_2_8_L_0						
50 D	27.98	3.6266E-03	44.33	78.22	98.00	78.22	V-C	8310.	-9.800	61.67	
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0						
51 D	28.11	3.3460E-03	46.00	76.57	100.00	76.57	V-C	8310.	-10.00	64.00	
1.000	1.000	140.6	0.000	0.000	Ug5_2_8_L_0						
52 D	28.27	3.0785E-03	47.67	75.05	102.0	75.05	V-C	8310.	-10.20	66.33	
1.000	1.000	141.4	0.000	0.000	Ug5_2_8_L_0						
53 D	28.46	2.8238E-03	49.35	73.66	104.0	73.66	V-C	8310.	-10.40	68.65	
1.000	1.000	142.3	0.000	0.000	Ug5_2_8_L_0						
54 D	28.67	2.5815E-03	51.02	72.39	106.0	72.39	V-C	8310.	-10.60	70.98	
1.000	1.000	143.4	0.000	0.000	Ug5_2_8_L_0						
55 D	28.91	2.3510E-03	52.69	71.25	108.0	71.25	V-C	8310.	-10.80	73.31	
1.000	1.000	144.6	0.000	0.000	Ug5_2_8_L_0						
56 D	29.17	2.1321E-03	54.36	70.23	110.0	70.23	V-C	8310.	-11.00	75.64	
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0						
57 D	29.46	1.9242E-03	56.04	69.31	112.0	69.31	V-C	8310.	-11.20	77.96	
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0						
58 D	29.76	1.7268E-03	57.71	68.51	114.0	68.51	V-C	8310.	-11.40	80.29	
1.000	1.000	148.8	0.000	0.000	Ug5_2_8_L_0						
59 D	30.08	1.5394E-03	59.38	67.80	116.0	67.80	V-C	8310.	-11.60	82.62	
1.000	1.000	150.4	0.000	0.000	Ug5_2_8_L_0						
60 D	30.43	1.3615E-03	61.05	67.18	118.0	67.18	V-C	8310.	-11.80	84.95	
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0						
61 D	30.79	1.1925E-03	62.73	66.66	120.0	66.66	UL-RL	2.4929E+04	-12.00	87.27	
1.000	1.000	153.9	0.000	0.000	Ug5_2_8_L_0						
62 D	30.63	1.0318E-03	64.20	63.55	121.8	63.60	UL-RL	1.8746E+04	-12.20	89.60	
1.000	1.000	153.1	0.000	0.000	Ug6_741_743_L_0						
63 D	31.06	8.7879E-04	65.67	63.38	123.6	63.47	UL-RL	1.8746E+04	-12.40	91.93	
1.000	1.000	155.3	0.000	0.000	Ug6_741_743_L_0						
64 D	31.50	7.3292E-04	67.15	63.26	125.4	63.40	UL-RL	1.8746E+04	-12.60	94.25	
1.000	1.000	157.5	0.000	0.000	Ug6_741_743_L_0						
65 D	31.66	5.9356E-04	68.62	61.69	127.2	64.12	UL-RL	1.8746E+04	-12.80	96.58	
1.000	1.000	158.3	0.000	0.000	Ug6_741_743_L_0						
66 D	31.77	4.6009E-04	70.09	59.93	129.0	65.01	UL-RL	1.8746E+04	-13.00	98.91	
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0						
67 D	31.90	3.3193E-04	71.56	58.27	130.8	65.89	UL-RL	1.8746E+04	-13.20	101.2	
1.000	1.000	159.5	0.000	0.000	Ug6_741_743_L_0						
68 D	32.06	2.0848E-04	73.04	56.71	132.6	66.78	UL-RL	1.8746E+04	-13.40	103.6	
1.000	1.000	160.3	0.000	0.000	Ug6_741_743_L_0						

69	D	32.23	8.9182E-05	74.51	55.25	134.4	67.67	UL-RL	1.8746E+04	-13.60	105.9
1.000		1.000	161.1	0.000	0.000	Ug6_741_743_L_0					
70	D	32.41	-2.6520E-05	75.98	53.85	136.2	68.55	UL-RL	1.8746E+04	-13.80	108.2
1.000		1.000	162.1	0.000	0.000	Ug6_741_743_L_0					
71	D	32.61	-1.3914E-04	77.45	52.52	138.0	69.44	UL-RL	1.8746E+04	-14.00	110.5
1.000		1.000	163.1	0.000	0.000	Ug6_741_743_L_0					
72	D	32.82	-2.4918E-04	78.93	51.25	139.8	70.33	UL-RL	1.8746E+04	-14.20	112.9
1.000		1.000	164.1	0.000	0.000	Ug6_741_743_L_0					
73	D	33.04	-3.5707E-04	80.40	50.01	141.6	71.22	UL-RL	1.8746E+04	-14.40	115.2
1.000		1.000	165.2	0.000	0.000	Ug6_741_743_L_0					
74	D	33.27	-4.6325E-04	81.87	48.82	143.4	72.11	UL-RL	1.8746E+04	-14.60	117.5
1.000		1.000	166.3	0.000	0.000	Ug6_741_743_L_0					
75	D	33.50	-5.6809E-04	83.35	47.65	145.2	73.00	UL-RL	1.8746E+04	-14.80	119.9
1.000		1.000	167.5	0.000	0.000	Ug6_741_743_L_0					
76	D	33.74	-6.7193E-04	84.82	46.50	147.0	73.89	UL-RL	1.8746E+04	-15.00	122.2
1.000		1.000	168.7	0.000	0.000	Ug6_741_743_L_0					
77	D	33.97	-7.7507E-04	86.29	45.36	148.8	74.78	UL-RL	1.8746E+04	-15.20	124.5
1.000		1.000	169.9	0.000	0.000	Ug6_741_743_L_0					
78	D	34.21	-8.7773E-04	87.76	44.23	150.6	75.67	UL-RL	1.8746E+04	-15.40	126.8
1.000		1.000	171.1	0.000	0.000	Ug6_741_743_L_0					
79	D	34.46	-9.8013E-04	89.24	43.11	152.4	76.56	UL-RL	1.8746E+04	-15.60	129.2
1.000		1.000	172.3	0.000	0.000	Ug6_741_743_L_0					
80	D	34.70	-1.0824E-03	90.71	41.99	154.2	77.45	UL-RL	1.8746E+04	-15.80	131.5
1.000		1.000	173.5	0.000	0.000	Ug6_741_743_L_0					
81	D	17.47	-1.1846E-03	92.18	40.88	156.0	78.34	UL-RL	1.8746E+04	-16.00	133.8
1.000		1.000	174.7	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 9.65315E-10-9.65315E-10 9.60900E-11-7.71441E-11
    2 0.45091    -0.45091     2.10405E-10 9.01817E-02
    3  1.3551     -1.3551    -9.01817E-02 0.36119
    4  2.7155     -2.7155    -0.36119     0.90428
    5  4.5343     -4.5343    -0.90428      1.8111
    6  6.8126     -6.8126     -1.8111      3.1737
    7  9.5504     -9.5504     -3.1737      5.0837
    8  12.754     -12.754     -5.0837      7.6345
    9  16.425     -16.425     -7.6345      10.919
   10  20.551     -20.551     -10.919      15.030
   11  25.141     -25.141     -15.030      20.058
   12  30.192     -30.192     -20.058      26.096
   13  35.696     -35.696     -26.096      33.235
   14  41.658     -41.658     -33.235      41.567
   15  48.078     -48.078     -41.567      51.183
   16  54.955     -54.955     -51.183      62.174
   17  62.284     -62.284     -62.174      74.631
   18  70.068     -70.068     -74.631      88.644
   19  78.307     -78.307     -88.644      104.31
   20  86.997     -86.997     -104.31      121.70
   21  96.142     -96.142     -121.70      140.93
   22  105.74     -105.74     -140.93      162.08
   23  115.79     -115.79     -162.08      185.24
   24  124.93     -124.93     -185.24      210.23
   25  131.81     -131.81     -210.23      236.59
   26  136.42     -136.42     -236.59      263.87
   27  138.76     -138.76     -263.87      291.62
   28  138.84     -138.84     -291.62      319.39
   29  136.64     -136.64     -319.39      346.72
   30  132.18     -132.18     -346.72      373.16
   31  125.45     -125.45     -373.16      398.25
   32  116.46     -116.46     -398.25      421.54
   33  105.19     -105.19     -421.54      442.58
   34  91.660     -91.660     -442.58      460.91
   35  77.535     -77.535     -460.91      476.42
   36  64.188     -64.188     -476.42      489.25
   37  51.587     -51.587     -489.25      499.57
   38  39.704     -39.704     -499.57      507.51
   39  28.506     -28.506     -507.51      513.21
   40  17.961     -17.961     -513.21      516.81
   41  8.0380     -8.0380     -516.81      518.41
   42 -1.2946      1.2946     -518.41      518.15
   43 -10.071      10.071     -518.15      516.14
   44 -18.320      18.320     -516.14      512.48
   45 -26.074      26.074     -512.48      507.26
   46 -33.364      33.364     -507.26      500.59
   47 -40.222      40.222     -500.59      492.54
   48 -46.676      46.676     -492.54      483.21
   49 -52.757      52.757     -483.21      472.66
   50 -58.493      58.493     -472.66      460.96
   51 -63.913      63.913     -460.96      448.18
   52 -69.042      69.042     -448.18      434.37
   53 -73.909      73.909     -434.37      419.59
   54 -78.537      78.537     -419.59      403.88
   55 -82.951      82.951     -403.88      387.29
   56 -87.175      87.175     -387.29      369.85
   57 -91.231      91.231     -369.85      351.61
   58 -95.140      95.140     -351.61      332.58
   59 -98.922      98.922     -332.58      312.80
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   60 -102.60      102.60     -312.80      292.28
   61 -106.18      106.18     -292.28      271.04
   62 -106.30      106.30     -271.04      249.78
   63 -106.34      106.34     -249.78      228.51
   64 -106.32      106.32     -228.51      207.25
   65 -105.35      105.35     -207.25      186.18
   66 -103.28      103.28     -186.18      165.52
   67 -100.17      100.17     -165.52      145.49
   68 -96.181      96.181     -145.49      126.25
   69 -91.373      91.373     -126.25      107.98
   70 -85.934      85.934     -107.98      90.789
   71 -79.984      79.984     -90.789      74.792
   72 -73.542      73.542     -74.792      60.084
   73 -66.619      66.619     -60.084      46.760
   74 -59.228      59.228     -46.760      34.915
   75 -51.376      51.376     -34.915      24.639
   76 -43.070      43.070     -24.639      16.025
   77 -34.313      34.313     -16.025      9.1629
   78 -25.097      25.097     -9.1629      4.1435
   79 -15.424      15.424     -4.1435      1.0588
   80 -5.2935      5.2935     -1.0588     4.54259E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1031E+07 RIMNOR=0.1456E+08
           RENORM= 1.779     REMNOR=0.1375E-17 RATIO =0.1313E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 138.8     RMMAX = 518.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1031E+07 RDR   =0.1456E+08
           RATIOT=0.1313E-02 RATIOR= 0.000
           MAX UN=0.3839E-09 IEQ=    48 NODE     24 DOF   2   X-ROT. F
           MIN UN=-.1794     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1031E+07 RIMNOR=0.1456E+08
           RENORM=0.1098E-14 REMNOR=0.2178E-17 RATIO =0.3263E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 138.8     RMMAX = 518.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1031E+07 RDR   =0.1456E+08
           RATIOT=0.3263E-10 RATIOR= 0.000
           MAX UN=0.9912E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.1305E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0167555E-02  -3.1759823E-03
    2   2.9532359E-02  -3.1759823E-03
    3   2.8897163E-02  -3.1759753E-03
    4   2.8261970E-02  -3.1759407E-03
    5   2.7626790E-02  -3.1758451E-03
    6   2.6991639E-02  -3.1756422E-03
    7   2.6356545E-02  -3.1752727E-03
    8   2.5721546E-02  -3.1746644E-03
    9   2.5086700E-02  -3.1737322E-03
   10   2.4452082E-02  -3.1723781E-03
   11   2.3817785E-02  -3.1704912E-03
   12   2.3183929E-02  -3.1679477E-03
   13   2.2550659E-02  -3.1646109E-03
   14   2.1918147E-02  -3.1603310E-03
   15   2.1286600E-02  -3.1549457E-03
   16   2.0656254E-02  -3.1482794E-03
   17   2.0027383E-02  -3.1401437E-03
   18   1.9400305E-02  -3.1303376E-03
   19   1.8775373E-02  -3.1186470E-03
   20   1.8152987E-02  -3.1048447E-03
   21   1.7533595E-02  -3.0886911E-03
   22   1.6917687E-02  -3.0699332E-03
   23   1.6305814E-02  -3.0483055E-03
   24   1.5698575E-02  -3.0235296E-03
   25   1.5096630E-02  -2.9953328E-03
   26   1.4500685E-02  -2.9634868E-03
   27   1.3911492E-02  -2.9278282E-03
   28   1.3329818E-02  -2.8882576E-03
   29   1.2756452E-02  -2.8447407E-03
   30   1.2192183E-02  -2.7973075E-03
   31   1.1637784E-02  -2.7460526E-03
   32   1.1094008E-02  -2.6911355E-03
   33   1.0561562E-02  -2.6327793E-03
   34   1.0041107E-02  -2.5712727E-03
   35   9.5332392E-03  -2.5069685E-03
   36   9.0384796E-03  -2.4402603E-03
   37   8.5572716E-03  -2.3715395E-03
   38   8.0899758E-03  -2.3011747E-03
   39   7.6368881E-03  -2.2295145E-03
   40   7.1982344E-03  -2.1568875E-03
   41   6.7741769E-03  -2.0836031E-03
   42   6.3648176E-03  -2.0099524E-03
   43   5.9702021E-03  -1.9362094E-03
   44   5.5903228E-03  -1.8626316E-03
   45   5.2251241E-03  -1.7894617E-03
   46   4.8744977E-03  -1.7169264E-03
   47   4.5382969E-03  -1.6452401E-03
   48   4.2163317E-03  -1.5746037E-03
   49   3.9083728E-03  -1.5052065E-03
   50   3.6141560E-03  -1.4372269E-03
   51   3.3333779E-03  -1.3708319E-03
   52   3.0657005E-03  -1.3061786E-03
   53   2.8107859E-03  -1.2434230E-03
   54   2.5682087E-03  -1.1826988E-03
   55   2.3375617E-03  -1.1241436E-03
   56   2.1183982E-03  -1.0678854E-03
   57   1.9102463E-03  -1.0140463E-03
   58   1.7126106E-03  -9.6274320E-04
   59   1.5249725E-03  -9.1408848E-04
   60   1.3467914E-03  -8.6819049E-04
   61   1.1775055E-03  -8.2515414E-04
   62   1.0165322E-03  -7.8508141E-04
   63   8.6327183E-04  -7.4802505E-04
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64	7.1712080E-04	-7.1398882E-04
65	5.7747486E-04	-6.8297424E-04
66	4.4373053E-04	-6.5496833E-04
67	3.1528976E-04	-6.2992898E-04
68	1.9156601E-04	-6.0778351E-04
69	7.1990115E-05	-5.8843165E-04
70	-4.3984588E-05	-5.7174888E-04
71	-1.5687769E-04	-5.5758996E-04
72	-2.6717806E-04	-5.4579336E-04
73	-3.7534080E-04	-5.3618312E-04
74	-4.8178441E-04	-5.2856934E-04
75	-5.8688806E-04	-5.2274849E-04
76	-6.9098887E-04	-5.1850369E-04
77	-7.9437927E-04	-5.1560494E-04
78	-8.9730439E-04	-5.1380923E-04
79	-9.9995943E-04	-5.1286050E-04
80	-1.1024871E-03	-5.1248954E-04
81	-1.2049801E-03	-5.1241404E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0168E-02   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4940     -2.9532E-02   2.327      0.7973       2.337       1.690           UL-RL  5.0142E+04 -0.2000       1.673
1.000       1.000       2.470       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9476     -2.8897E-02   4.655       1.393       4.720       3.281           UL-RL  5.0142E+04 -0.4000       3.345
1.000       1.000       4.738       0.000       0.000     Ug5_2_8_L_0
   4 D   1.401     -2.8262E-02   6.982       1.988       7.164       4.727           UL-RL  5.0142E+04 -0.6000       5.018
1.000       1.000       7.006       0.000       0.000     Ug5_2_8_L_0
   5 D   1.855     -2.7627E-02   9.309       2.584       9.652       6.034           UL-RL  5.0142E+04 -0.8000       6.691
1.000       1.000       9.275       0.000       0.000     Ug5_2_8_L_0
   6 D   2.309     -2.6992E-02   11.64       3.179       12.16       7.235           UL-RL  5.0142E+04  -1.000       8.364
1.000       1.000       11.54       0.000       0.000     Ug5_2_8_L_0
   7 D   2.762     -2.6357E-02   13.96       3.774       14.67       8.362           UL-RL  5.0142E+04  -1.200       10.04
1.000       1.000       13.81       0.000       0.000     Ug5_2_8_L_0
   8 D   3.216     -2.5722E-02   16.29       4.369       17.30       9.440           UL-RL  5.0142E+04  -1.400       11.71
1.000       1.000       16.08       0.000       0.000     Ug5_2_8_L_0
   9 D   3.669     -2.5087E-02   18.62       4.964       19.97       10.49           UL-RL  5.0142E+04  -1.600       13.38
1.000       1.000       18.35       0.000       0.000     Ug5_2_8_L_0
  10 D   4.123     -2.4452E-02   20.95       5.559       22.40       11.51           UL-RL  5.0142E+04  -1.800       15.05
1.000       1.000       20.61       0.000       0.000     Ug5_2_8_L_0
  11 D   4.576     -2.3818E-02   23.27       6.153       24.99       12.52           UL-RL  5.0142E+04  -2.000       16.73
1.000       1.000       22.88       0.000       0.000     Ug5_2_8_L_0
  12 D   5.029     -2.3184E-02   25.60       6.747       27.53       13.53           UL-RL  5.0142E+04  -2.200       18.40
1.000       1.000       25.15       0.000       0.000     Ug5_2_8_L_0
  13 D   5.483     -2.2551E-02   27.93       7.340       29.90       14.52           UL-RL  5.0142E+04  -2.400       20.07
1.000       1.000       27.41       0.000       0.000     Ug5_2_8_L_0
  14 D   5.936     -2.1918E-02   30.25       7.933       32.40       15.52           UL-RL  5.0142E+04  -2.600       21.75
1.000       1.000       29.68       0.000       0.000     Ug5_2_8_L_0
  15 D   6.389     -2.1287E-02   32.58       8.525       34.87       16.51           UL-RL  5.0142E+04  -2.800       23.42
1.000       1.000       31.94       0.000       0.000     Ug5_2_8_L_0
  16 D   6.841     -2.0656E-02   34.91       9.116       37.33       17.49           UL-RL  5.0142E+04  -3.000       25.09
1.000       1.000       34.21       0.000       0.000     Ug5_2_8_L_0
  17 D   7.294     -2.0027E-02   37.24       9.707       39.67       18.48           UL-RL  5.0142E+04  -3.200       26.76
1.000       1.000       36.47       0.000       0.000     Ug5_2_8_L_0
  18 D   7.747     -1.9400E-02   39.56       10.30       42.10       19.47           UL-RL  5.0142E+04  -3.400       28.44
1.000       1.000       38.73       0.000       0.000     Ug5_2_8_L_0
  19 D   8.199     -1.8775E-02   41.89       10.89       44.53       20.46           UL-RL  5.0142E+04  -3.600       30.11
1.000       1.000       41.00       0.000       0.000     Ug5_2_8_L_0
  20 D   8.651     -1.8153E-02   44.22       11.48       46.86       21.44           UL-RL  5.0142E+04  -3.800       31.78
1.000       1.000       43.26       0.000       0.000     Ug5_2_8_L_0
  21 D   9.104     -1.7534E-02   46.55       12.06       49.27       22.43           UL-RL  5.0142E+04  -4.000       33.45
1.000       1.000       45.52       0.000       0.000     Ug5_2_8_L_0
  22 D   9.556     -1.6918E-02   48.87       12.65       51.68       23.42           UL-RL  5.0142E+04  -4.200       35.13
1.000       1.000       47.78       0.000       0.000     Ug5_2_8_L_0
  23 D   10.01     -1.6306E-02   51.20       13.24       54.00       24.40           UL-RL  5.0142E+04  -4.400       36.80
1.000       1.000       50.04       0.000       0.000     Ug5_2_8_L_0
  24 D   10.46     -1.5699E-02   53.53       13.82       56.39       25.39           UL-RL  5.0142E+04  -4.600       38.47
1.000       1.000       52.30       0.000       0.000     Ug5_2_8_L_0
  25 D   10.91     -1.5097E-02   55.85       14.41       58.78       26.38           UL-RL  5.0142E+04  -4.800       40.15
1.000       1.000       54.55       0.000       0.000     Ug5_2_8_L_0
  26 D   11.36     -1.4501E-02   58.18       14.99       61.17       27.37           UL-RL  5.0142E+04  -5.000       41.82
1.000       1.000       56.81       0.000       0.000     Ug5_2_8_L_0
  27 D   11.81     -1.3911E-02   60.51       15.58       63.49       28.36           UL-RL  5.0142E+04  -5.200       43.49
1.000       1.000       59.07       0.000       0.000     Ug5_2_8_L_0
  28 D   12.27     -1.3330E-02   62.84       16.16       65.87       29.35           UL-RL  5.0142E+04  -5.400       45.16
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1.000	1.000	61.33	0.000	0.000	Ug5_2_8_L_0						
29 D	12.72	-1.2756E-02	65.16	16.75	68.24	30.34	UL-RL	5.0142E+04	-5.600	46.84	
1.000	1.000	63.58	0.000	0.000	Ug5_2_8_L_0						
30 D	13.17	-1.2192E-02	67.49	17.33	70.56	31.34	UL-RL	5.0142E+04	-5.800	48.51	
1.000	1.000	65.84	0.000	0.000	Ug5_2_8_L_0						
31 D	13.62	-1.1638E-02	69.82	17.91	72.93	32.33	UL-RL	5.0142E+04	-6.000	50.18	
1.000	1.000	68.10	0.000	0.000	Ug5_2_8_L_0						
32 D	14.07	-1.1094E-02	72.15	18.50	75.30	33.33	UL-RL	5.0142E+04	-6.200	51.85	
1.000	1.000	70.35	0.000	0.000	Ug5_2_8_L_0						
33 D	14.52	-1.0562E-02	74.47	19.08	77.62	34.32	UL-RL	5.0142E+04	-6.400	53.53	
1.000	1.000	72.61	0.000	0.000	Ug5_2_8_L_0						
34 D	14.97	-1.0041E-02	76.80	19.66	79.98	35.32	UL-RL	5.0142E+04	-6.600	55.20	
1.000	1.000	74.86	0.000	0.000	Ug5_2_8_L_0						
35 D	15.42	-9.5332E-03	79.13	20.25	82.35	36.32	UL-RL	5.0142E+04	-6.800	56.87	
1.000	1.000	77.12	0.000	0.000	Ug5_2_8_L_0						
36 D	15.88	-9.0385E-03	81.45	20.83	84.71	37.31	UL-RL	5.0142E+04	-7.000	58.55	
1.000	1.000	79.38	0.000	0.000	Ug5_2_8_L_0						
37 D	16.33	-8.5573E-03	83.78	21.41	87.02	38.31	UL-RL	5.0142E+04	-7.200	60.22	
1.000	1.000	81.63	0.000	0.000	Ug5_2_8_L_0						
38 D	16.78	-8.0900E-03	86.11	22.00	89.38	39.31	UL-RL	5.0142E+04	-7.400	61.89	
1.000	1.000	83.89	0.000	0.000	Ug5_2_8_L_0						
39 D	17.23	-7.6369E-03	88.44	22.58	91.74	40.31	UL-RL	5.0142E+04	-7.600	63.56	
1.000	1.000	86.14	0.000	0.000	Ug5_2_8_L_0						
40 D	17.68	-7.1982E-03	90.76	23.16	94.06	41.31	UL-RL	5.0142E+04	-7.800	65.24	
1.000	1.000	88.40	0.000	0.000	Ug5_2_8_L_0						
41 D	18.13	-6.7742E-03	93.09	23.75	96.41	42.32	UL-RL	5.0142E+04	-8.000	66.91	
1.000	1.000	90.66	0.000	0.000	Ug5_2_8_L_0						
42 D	18.58	-6.3648E-03	95.42	24.33	98.77	43.32	UL-RL	5.0142E+04	-8.200	68.58	
1.000	1.000	92.91	0.000	0.000	Ug5_2_8_L_0						
43 D	19.03	-5.9702E-03	97.75	24.92	101.1	44.32	UL-RL	5.0142E+04	-8.400	70.25	
1.000	1.000	95.17	0.000	0.000	Ug5_2_8_L_0						
44 D	19.49	-5.5903E-03	100.1	25.50	103.4	45.33	UL-RL	5.0142E+04	-8.600	71.93	
1.000	1.000	97.43	0.000	0.000	Ug5_2_8_L_0						
45 D	19.94	-5.2251E-03	102.4	26.09	105.8	46.33	UL-RL	5.0142E+04	-8.800	73.60	
1.000	1.000	99.69	0.000	0.000	Ug5_2_8_L_0						
46 D	20.39	-4.8745E-03	104.7	26.67	108.1	47.34	UL-RL	5.0142E+04	-9.000	75.27	
1.000	1.000	101.9	0.000	0.000	Ug5_2_8_L_0						
47 D	20.84	-4.5383E-03	107.1	27.26	110.5	48.35	UL-RL	5.0142E+04	-9.200	76.95	
1.000	1.000	104.2	0.000	0.000	Ug5_2_8_L_0						
48 D	21.29	-4.2163E-03	109.4	27.85	112.8	49.36	UL-RL	5.0142E+04	-9.400	78.62	
1.000	1.000	106.5	0.000	0.000	Ug5_2_8_L_0						
49 D	21.74	-3.9084E-03	111.7	28.43	115.2	50.36	UL-RL	5.0142E+04	-9.600	80.29	
1.000	1.000	108.7	0.000	0.000	Ug5_2_8_L_0						
50 D	22.20	-3.6142E-03	114.0	29.02	117.5	51.37	UL-RL	5.0142E+04	-9.800	81.96	
1.000	1.000	111.0	0.000	0.000	Ug5_2_8_L_0						
51 D	22.65	-3.3334E-03	116.4	29.61	119.8	52.38	UL-RL	5.0142E+04	-10.00	83.64	
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0						
52 D	23.10	-3.0657E-03	118.7	30.20	122.2	53.39	UL-RL	5.0142E+04	-10.20	85.31	
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0						
53 D	23.55	-2.8108E-03	121.0	30.79	124.5	54.40	UL-RL	5.0142E+04	-10.40	86.98	
1.000	1.000	117.8	0.000	0.000	Ug5_2_8_L_0						
54 D	24.01	-2.5682E-03	123.3	31.38	126.8	55.42	UL-RL	5.0142E+04	-10.60	88.65	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
55 D	24.46	-2.3376E-03	125.7	31.97	129.2	56.43	UL-RL	5.0142E+04	-10.80	90.33	
1.000	1.000	122.3	0.000	0.000	Ug5_2_8_L_0						
56 D	24.91	-2.1184E-03	128.0	32.56	131.5	57.44	UL-RL	5.0142E+04	-11.00	92.00	
1.000	1.000	124.6	0.000	0.000	Ug5_2_8_L_0						
57 D	25.36	-1.9102E-03	130.3	33.15	133.8	58.46	UL-RL	5.0142E+04	-11.20	93.67	
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0						
58 D	25.82	-1.7126E-03	132.7	33.74	136.2	59.47	UL-RL	5.0142E+04	-11.40	95.35	
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0						
59 D	26.27	-1.5250E-03	135.0	34.33	138.5	60.48	UL-RL	5.0142E+04	-11.60	97.02	
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0						
60 D	26.72	-1.3468E-03	137.3	34.93	140.8	61.50	UL-RL	5.0142E+04	-11.80	98.69	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
61 D	27.18	-1.1775E-03	139.6	35.52	143.2	62.52	UL-RL	5.0142E+04	-12.00	100.4	
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0						
62 D	30.40	-1.0165E-03	141.8	49.96	145.3	63.50	UL-RL	2.4005E+04	-12.20	102.0	
1.000	1.000	152.0	0.000	0.000	Ug6_741_743_L_0						
63 D	30.91	-8.6327E-04	143.9	50.86	147.5	64.61	UL-RL	2.4005E+04	-12.40	103.7	
1.000	1.000	154.6	0.000	0.000	Ug6_741_743_L_0						
64 D	31.43	-7.1712E-04	146.0	51.75	149.6	65.66	UL-RL	2.4005E+04	-12.60	105.4	
1.000	1.000	157.1	0.000	0.000	Ug6_741_743_L_0						
65 D	32.52	-5.7747E-04	148.1	55.57	151.7	66.67	UL-RL	2.4005E+04	-12.80	107.1	
1.000	1.000	162.6	0.000	0.000	Ug6_741_743_L_0						
66 D	33.73	-4.4373E-04	150.3	59.95	153.8	67.64	UL-RL	2.4005E+04	-13.00	108.7	
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0						
67 D	34.92	-3.1529E-04	152.4	64.18	155.9	68.86	UL-RL	2.4005E+04	-13.20	110.4	
1.000	1.000	174.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.96	-1.9157E-04	154.5	67.72	158.0	70.64	UL-RL	2.4005E+04	-13.40	112.1	
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0						

69 D	36.95	-7.1990E-05	156.7	70.99	160.1	72.20	UL-RL	2.4005E+04	-13.60	113.7	
1.000	1.000	184.7	0.000	0.000	Ug6_741_743_L_0						
70 D	37.77	4.3985E-05	158.8	73.41	162.1	73.86	UL-RL	2.4005E+04	-13.80	115.4	
1.000	1.000	188.8	0.000	0.000	Ug6_741_743_L_0						
71 D	38.48	1.5688E-04	160.9	75.30	164.2	75.73	UL-RL	2.4005E+04	-14.00	117.1	
1.000	1.000	192.4	0.000	0.000	Ug6_741_743_L_0						
72 D	39.18	2.6718E-04	163.0	77.16	166.3	77.57	UL-RL	2.4005E+04	-14.20	118.8	
1.000	1.000	195.9	0.000	0.000	Ug6_741_743_L_0						
73 D	39.89	3.7534E-04	165.2	79.00	168.4	79.39	UL-RL	2.4005E+04	-14.40	120.4	
1.000	1.000	199.4	0.000	0.000	Ug6_741_743_L_0						
74 D	40.58	4.8178E-04	167.3	80.81	170.5	81.20	UL-RL	2.4005E+04	-14.60	122.1	
1.000	1.000	202.9	0.000	0.000	Ug6_741_743_L_0						
75 D	41.28	5.8689E-04	169.4	82.62	172.6	82.98	UL-RL	2.4005E+04	-14.80	123.8	
1.000	1.000	206.4	0.000	0.000	Ug6_741_743_L_0						
76 D	41.97	6.9099E-04	171.5	84.41	174.7	84.76	UL-RL	2.4005E+04	-15.00	125.5	
1.000	1.000	209.9	0.000	0.000	Ug6_741_743_L_0						
77 D	42.66	7.9438E-04	173.7	86.19	176.8	86.53	UL-RL	2.4005E+04	-15.20	127.1	
1.000	1.000	213.3	0.000	0.000	Ug6_741_743_L_0						
78 D	43.37	8.9730E-04	175.8	88.03	178.9	88.35	UL-RL	2.4005E+04	-15.40	128.8	
1.000	1.000	216.8	0.000	0.000	Ug6_741_743_L_0						
79 D	44.07	9.9996E-04	177.9	89.86	181.0	90.17	UL-RL	2.4005E+04	-15.60	130.5	
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0						
80 D	44.77	1.1025E-03	180.1	91.70	183.1	91.99	UL-RL	2.4005E+04	-15.80	132.1	
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0						
81 D	22.74	1.2050E-03	182.2	93.53	185.2	93.81	UL-RL	2.4005E+04	-16.00	133.8	
1.000	1.000	227.4	0.000	0.000	Ug6_741_743_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:25:47                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.311      1.5699E-02  0.8364      5.389       46.00       63.25         UL-RL  2.4929E+04  -4.600       1.164
1.000       1.000       6.553       0.000       0.000     Ug5_2_8_L_0
  25 D   4.030      1.5097E-02   2.509      16.66       48.00       61.85         UL-RL  2.4929E+04  -4.800       3.491
1.000       1.000       20.15       0.000       0.000     Ug5_2_8_L_0
  26 D   6.749      1.4501E-02   4.182      27.92       50.00       60.52         UL-RL  2.4929E+04  -5.000       5.818
1.000       1.000       33.74       0.000       0.000     Ug5_2_8_L_0
  27 D   9.468      1.3911E-02   5.855      39.19       52.00       69.31         UL-RL  2.4929E+04  -5.200       8.145
1.000       1.000       47.34       0.000       0.000     Ug5_2_8_L_0
  28 D   12.19      1.3330E-02   7.527      50.46       54.00       80.86         UL-RL  2.4929E+04  -5.400       10.47
```

1.000	1.000	60.93	0.000	0.000	Ug5_2_8_L_0						
29 D	14.91	1.2756E-02	9.200	61.73	56.00	92.41	UL-RL	2.4929E+04	-5.600	12.80	
1.000	1.000	74.53	0.000	0.000	Ug5_2_8_L_0						
30 D	17.63	1.2192E-02	10.87	73.00	58.00	101.8	UL-RL	2.4929E+04	-5.800	15.13	
1.000	1.000	88.13	0.000	0.000	Ug5_2_8_L_0						
31 D	20.34	1.1638E-02	12.55	84.27	60.00	98.74	UL-RL	2.4929E+04	-6.000	17.45	
1.000	1.000	101.7	0.000	0.000	Ug5_2_8_L_0						
32 D	23.06	1.1094E-02	14.22	95.54	62.00	95.80	UL-RL	2.4929E+04	-6.200	19.78	
1.000	1.000	115.3	0.000	0.000	Ug5_2_8_L_0						
33 D	25.78	1.0562E-02	15.89	106.8	64.00	107.1	UL-RL	2.4929E+04	-6.400	22.11	
1.000	1.000	128.9	0.000	0.000	Ug5_2_8_L_0						
34 D	28.50	1.0041E-02	17.56	118.1	66.00	118.3	UL-RL	2.4929E+04	-6.600	24.44	
1.000	1.000	142.5	0.000	0.000	Ug5_2_8_L_0						
35 D	29.55	9.5332E-03	19.24	121.0	68.00	121.2	UL-RL	2.4929E+04	-6.800	26.76	
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0						
36 D	29.22	9.0385E-03	20.91	117.0	70.00	117.3	UL-RL	2.4929E+04	-7.000	29.09	
1.000	1.000	146.1	0.000	0.000	Ug5_2_8_L_0						
37 D	28.92	8.5573E-03	22.58	113.2	72.00	113.5	UL-RL	2.4929E+04	-7.200	31.42	
1.000	1.000	144.6	0.000	0.000	Ug5_2_8_L_0						
38 D	28.66	8.0900E-03	24.25	109.5	74.00	109.8	UL-RL	2.4929E+04	-7.400	33.75	
1.000	1.000	143.3	0.000	0.000	Ug5_2_8_L_0						
39 D	28.42	7.6369E-03	25.93	106.0	76.00	106.3	UL-RL	2.4929E+04	-7.600	36.07	
1.000	1.000	142.1	0.000	0.000	Ug5_2_8_L_0						
40 D	28.22	7.1982E-03	27.60	102.7	78.00	103.0	UL-RL	2.4929E+04	-7.800	38.40	
1.000	1.000	141.1	0.000	0.000	Ug5_2_8_L_0						
41 D	28.05	6.7742E-03	29.27	99.52	80.00	99.80	UL-RL	2.4929E+04	-8.000	40.73	
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0						
42 D	27.91	6.3648E-03	30.95	96.50	82.00	96.78	UL-RL	2.4929E+04	-8.200	43.05	
1.000	1.000	139.6	0.000	0.000	Ug5_2_8_L_0						
43 D	27.80	5.9702E-03	32.62	93.63	84.00	93.92	UL-RL	2.4929E+04	-8.400	45.38	
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0						
44 D	27.73	5.5903E-03	34.29	90.93	86.00	91.22	UL-RL	2.4929E+04	-8.600	47.71	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
45 D	27.68	5.2251E-03	35.96	88.38	88.00	88.67	UL-RL	2.4929E+04	-8.800	50.04	
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
46 D	27.67	4.8745E-03	37.64	85.99	90.00	86.28	UL-RL	2.4929E+04	-9.000	52.36	
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
47 D	27.69	4.5383E-03	39.31	83.75	92.00	84.05	UL-RL	2.4929E+04	-9.200	54.69	
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
48 D	27.73	4.2163E-03	40.98	81.66	94.00	81.96	UL-RL	2.4929E+04	-9.400	57.02	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
49 D	27.81	3.9084E-03	42.65	79.71	96.00	80.02	UL-RL	2.4929E+04	-9.600	59.35	
1.000	1.000	139.1	0.000	0.000	Ug5_2_8_L_0						
50 D	27.92	3.6142E-03	44.33	77.91	98.00	78.22	UL-RL	2.4929E+04	-9.800	61.67	
1.000	1.000	139.6	0.000	0.000	Ug5_2_8_L_0						
51 D	28.05	3.3334E-03	46.00	76.25	100.00	76.57	UL-RL	2.4929E+04	-10.00	64.00	
1.000	1.000	140.3	0.000	0.000	Ug5_2_8_L_0						
52 D	28.21	3.0657E-03	47.67	74.73	102.0	75.05	UL-RL	2.4929E+04	-10.20	66.33	
1.000	1.000	141.1	0.000	0.000	Ug5_2_8_L_0						
53 D	28.40	2.8108E-03	49.35	73.33	104.0	73.66	UL-RL	2.4929E+04	-10.40	68.65	
1.000	1.000	142.0	0.000	0.000	Ug5_2_8_L_0						
54 D	28.61	2.5682E-03	51.02	72.06	106.0	72.39	UL-RL	2.4929E+04	-10.60	70.98	
1.000	1.000	143.0	0.000	0.000	Ug5_2_8_L_0						
55 D	28.84	2.3376E-03	52.69	70.92	108.0	71.25	UL-RL	2.4929E+04	-10.80	73.31	
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0						
56 D	29.10	2.1184E-03	54.36	69.89	110.0	70.23	UL-RL	2.4929E+04	-11.00	75.64	
1.000	1.000	145.5	0.000	0.000	Ug5_2_8_L_0						
57 D	29.39	1.9102E-03	56.04	68.97	112.0	69.31	UL-RL	2.4929E+04	-11.20	77.96	
1.000	1.000	146.9	0.000	0.000	Ug5_2_8_L_0						
58 D	29.69	1.7126E-03	57.71	68.15	114.0	68.51	UL-RL	2.4929E+04	-11.40	80.29	
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0						
59 D	30.01	1.5250E-03	59.38	67.44	116.0	67.80	UL-RL	2.4929E+04	-11.60	82.62	
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0						
60 D	30.35	1.3468E-03	61.05	66.82	118.0	67.18	UL-RL	2.4929E+04	-11.80	84.95	
1.000	1.000	151.8	0.000	0.000	Ug5_2_8_L_0						
61 D	30.71	1.1775E-03	62.73	66.28	120.0	66.66	UL-RL	2.4929E+04	-12.00	87.27	
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0						
62 D	30.57	1.0165E-03	64.20	63.26	121.8	63.60	UL-RL	1.8746E+04	-12.20	89.60	
1.000	1.000	152.9	0.000	0.000	Ug6_741_743_L_0						
63 D	31.00	8.6327E-04	65.67	63.09	123.6	63.47	UL-RL	1.8746E+04	-12.40	91.93	
1.000	1.000	155.0	0.000	0.000	Ug6_741_743_L_0						
64 D	31.44	7.1712E-04	67.15	62.97	125.4	63.40	UL-RL	1.8746E+04	-12.60	94.25	
1.000	1.000	157.2	0.000	0.000	Ug6_741_743_L_0						
65 D	31.59	5.7747E-04	68.62	61.39	127.2	64.12	UL-RL	1.8746E+04	-12.80	96.58	
1.000	1.000	158.0	0.000	0.000	Ug6_741_743_L_0						
66 D	31.71	4.4373E-04	70.09	59.62	129.0	65.01	UL-RL	1.8746E+04	-13.00	98.91	
1.000	1.000	158.5	0.000	0.000	Ug6_741_743_L_0						
67 D	31.84	3.1529E-04	71.56	57.96	130.8	65.89	UL-RL	1.8746E+04	-13.20	101.2	
1.000	1.000	159.2	0.000	0.000	Ug6_741_743_L_0						
68 D	31.99	1.9157E-04	73.04	56.40	132.6	66.78	UL-RL	1.8746E+04	-13.40	103.6	
1.000	1.000	160.0	0.000	0.000	Ug6_741_743_L_0						

69 D	32.16	7.1990E-05	74.51	54.92	134.4	67.67	UL-RL	1.8746E+04	-13.60	105.9
1.000	1.000	160.8	0.000	0.000	Ug6_741_743_L_0					
70 D	32.35	-4.3985E-05	75.98	53.52	136.2	68.55	UL-RL	1.8746E+04	-13.80	108.2
1.000	1.000	161.7	0.000	0.000	Ug6_741_743_L_0					
71 D	32.55	-1.5688E-04	77.45	52.19	138.0	69.44	UL-RL	1.8746E+04	-14.00	110.5
1.000	1.000	162.7	0.000	0.000	Ug6_741_743_L_0					
72 D	32.76	-2.6718E-04	78.93	50.91	139.8	70.33	UL-RL	1.8746E+04	-14.20	112.9
1.000	1.000	163.8	0.000	0.000	Ug6_741_743_L_0					
73 D	32.97	-3.7534E-04	80.40	49.67	141.6	71.22	UL-RL	1.8746E+04	-14.40	115.2
1.000	1.000	164.9	0.000	0.000	Ug6_741_743_L_0					
74 D	33.20	-4.8178E-04	81.87	48.47	143.4	72.11	UL-RL	1.8746E+04	-14.60	117.5
1.000	1.000	166.0	0.000	0.000	Ug6_741_743_L_0					
75 D	33.43	-5.8689E-04	83.35	47.29	145.2	73.00	UL-RL	1.8746E+04	-14.80	119.9
1.000	1.000	167.1	0.000	0.000	Ug6_741_743_L_0					
76 D	33.66	-6.9099E-04	84.82	46.14	147.0	73.89	UL-RL	1.8746E+04	-15.00	122.2
1.000	1.000	168.3	0.000	0.000	Ug6_741_743_L_0					
77 D	33.90	-7.9438E-04	86.29	45.00	148.8	74.78	UL-RL	1.8746E+04	-15.20	124.5
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0					
78 D	34.14	-8.9730E-04	87.76	43.87	150.6	75.67	UL-RL	1.8746E+04	-15.40	126.8
1.000	1.000	170.7	0.000	0.000	Ug6_741_743_L_0					
79 D	34.38	-9.9996E-04	89.24	42.74	152.4	76.56	UL-RL	1.8746E+04	-15.60	129.2
1.000	1.000	171.9	0.000	0.000	Ug6_741_743_L_0					
80 D	34.62	-1.1025E-03	90.71	41.62	154.2	77.45	UL-RL	1.8746E+04	-15.80	131.5
1.000	1.000	173.1	0.000	0.000	Ug6_741_743_L_0					
81 D	17.43	-1.2050E-03	92.18	40.49	156.0	78.34	UL-RL	1.8746E+04	-16.00	133.8
1.000	1.000	174.3	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A1M1R1_1757                                        |
|                                  Exe Time :24 May 2018       18:25:47                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-6.16336E-09 6.16336E-09-6.16744E-10-7.89996E-10
    2 0.49400    -0.49400     8.62317E-10 9.88004E-02
    3  1.4417     -1.4417    -9.88004E-02 0.38713
    4  2.8429     -2.8429    -0.38713     0.95572
    5  4.6979     -4.6979    -0.95572      1.8953
    6  7.0064     -7.0064     -1.8953      3.2966
    7  9.7686     -9.7686     -3.2966      5.2503
    8  12.984     -12.984     -5.2503      7.8471
    9  16.653     -16.653     -7.8471      11.178
   10  20.776     -20.776     -11.178      15.333
   11  25.352     -25.352     -15.333      20.404
   12  30.382     -30.382     -20.404      26.480
   13  35.864     -35.864     -26.480      33.653
   14  41.800     -41.800     -33.653      42.013
   15  48.188     -48.188     -42.013      51.650
   16  55.030     -55.030     -51.650      62.656
   17  62.324     -62.324     -62.656      75.121
   18  70.071     -70.071     -75.121      89.135
   19  78.270     -78.270     -89.135      104.79
   20  86.921     -86.921     -104.79      122.17
   21  96.025     -96.025     -122.17      141.38
   22  105.58     -105.58     -141.38      162.49
   23  115.59     -115.59     -162.49      185.61
   24  124.74     -124.74     -185.61      210.56
   25  131.62     -131.62     -210.56      236.88
   26  136.23     -136.23     -236.88      264.13
   27  138.58     -138.58     -264.13      291.84
   28  138.66     -138.66     -291.84      319.58
   29  136.47     -136.47     -319.58      346.87
   30  132.01     -132.01     -346.87      373.27
   31  125.28     -125.28     -373.27      398.33
   32  116.29     -116.29     -398.33      421.59
   33  105.03     -105.03     -421.59      442.59
   34  91.501     -91.501     -442.59      460.89
   35  77.379     -77.379     -460.89      476.37
   36  64.035     -64.035     -476.37      489.18
   37  51.438     -51.438     -489.18      499.46
   38  39.558     -39.558     -499.46      507.37
   39  28.364     -28.364     -507.37      513.05
   40  17.824     -17.824     -513.05      516.61
   41  7.9058     -7.9058     -516.61      518.19
   42 -1.4216      1.4216     -518.19      517.91
   43 -10.190      10.190     -517.91      515.87
   44 -18.432      18.432     -515.87      512.18
   45 -26.178      26.178     -512.18      506.95
   46 -33.459      33.459     -506.95      500.26
   47 -40.305      40.305     -500.26      492.20
   48 -46.747      46.747     -492.20      482.85
   49 -52.814      52.814     -482.85      472.28
   50 -58.534      58.534     -472.28      460.58
   51 -63.935      63.935     -460.58      447.79
   52 -69.044      69.044     -447.79      433.98
   53 -73.887      73.887     -433.98      419.20
   54 -78.490      78.490     -419.20      403.51
   55 -82.876      82.876     -403.51      386.93
   56 -87.068      87.068     -386.93      369.52
   57 -91.090      91.090     -369.52      351.30
   58 -94.961      94.961     -351.30      332.31
   59 -98.702      98.702     -332.31      312.57
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60	-102.33	102.33	-312.57	292.10
61	-105.87	105.87	-292.10	270.93
62	-106.04	106.04	-270.93	249.72
63	-106.13	106.13	-249.72	228.49
64	-106.15	106.15	-228.49	207.27
65	-105.22	105.22	-207.27	186.22
66	-103.19	103.19	-186.22	165.59
67	-100.11	100.11	-165.59	145.56
68	-96.145	96.145	-145.56	126.33
69	-91.361	91.361	-126.33	108.06
70	-85.943	85.943	-108.06	90.873
71	-80.011	80.011	-90.873	74.871
72	-73.583	73.583	-74.871	60.155
73	-66.670	66.670	-60.155	46.821
74	-59.285	59.285	-46.821	34.964
75	-51.435	51.435	-34.964	24.677
76	-43.126	43.126	-24.677	16.051
77	-34.363	34.363	-16.051	9.1787
78	-25.138	25.138	-9.1787	4.1511
79	-15.451	15.451	-4.1511	1.0608
80	-5.3040	5.3040	-1.0608	-1.77471E-11

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                Exe Time :24 May 2018       18:25:47                                                     |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.07 [sec]
DATABASE  CREATION CPU TIME.....    0.28 [sec]
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Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
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                  ***********************************************************
                  *                                                         *
                  *  PARATIE PLUS Non-Linear Spring Engine                  *
                  *                                                         *
                  *          AN ELASTOPLASTIC FINITE ELEMENT PROGRAM        *
                  *          FOR FLEXIBLE EARTH-RETAINING STRUCTURES        *
                  *                                                         *
                  *          Written by Ce.A.S. s.r.l. (ITALY)              *
                  *          with the scientific supervision of             *
                  *          Roberto Nova - full professor SOIL MECHANICS   *
                  *          at Politecnico di Milano (ITALY)               *
                  *                                                         *
                  ***********************************************************
                  *                                                         *
                  *  RELEASE   2017.1     *Build date:Jul 11, 2017*    *
                  *                                                       *
                  *                                                         *
                  *  Ce.A.S.     S.R.L   CENTRO DI ANALISI STRUTTURALE      *
                  *              VIALE   GIUSTINIANO 10                     *
                  *              20129   M I L A N O  (ITALIA)              *
                  *  TEL.        +39 02 2020221   (+39 035 23 67 19)        *
                  *  FAX         +39 02 29512533  (+39 035 42285 49)        *
                  *  email       bruno.becci@ceas.it                        *
                  *  Web Page    www.ceas.it                                *
                  ***********************************************************



 JOB : NewProject.BaseDesignSection_28.A2M2R1_1787
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 102
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

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

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5E+04 1.5E+05
   15 : ENDL
   16 : LDATA Ug6_741_743_L_0 -12 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 18.5 9 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 5 26
   21 : YOUNG 3E+04 9E+04
   22 : ENDL
   23 : MATERIAL S355_114 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.8121 00 00 0
   26 : STRIP LeftWall_32 1 6 1 11.75 0 6.5 45
   27 : STEP Stage1_31
   28 : CHANGE Ug5_2_8_L_0 U-FRICT=31.08 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   30 : CHANGE Ug5_2_8_L_0 U-KA=0.319 LeftWall_32
   31 : CHANGE Ug5_2_8_L_0 U-KP=4.578 LeftWall_32
   32 : CHANGE Ug5_2_8_L_0 D-KA=0.319 LeftWall_32
   33 : CHANGE Ug5_2_8_L_0 D-KP=4.578 LeftWall_32
   34 : CHANGE Ug6_741_743_L_0 U-FRICT=21.32 LeftWall_32
   35 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   36 : CHANGE Ug6_741_743_L_0 U-KA=0.467 LeftWall_32
   37 : CHANGE Ug6_741_743_L_0 U-KP=2.649 LeftWall_32
   38 : CHANGE Ug6_741_743_L_0 D-KA=0.467 LeftWall_32
   39 : CHANGE Ug6_741_743_L_0 D-KP=2.649 LeftWall_32
   40 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   41 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   42 : CHANGE Ug6_741_743_L_0 U-COHE=4 LeftWall_32
   43 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   44 : SETWALL LeftWall_32
   45 : GEOM 0 0
   46 : WATER 0 0 -16 0 0
   47 : ADD WallElement_33
   48 : ENDSTEP
   49 : STEP Stage2_158
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   51 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   52 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   53 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   54 : SETWALL LeftWall_32
   55 : GEOM 0 -1
   56 : WATER 0 1 -16 0 0
   57 : ENDSTEP
   58 : STEP Stage3_255
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   60 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   61 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   62 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   63 : SETWALL LeftWall_32
   64 : GEOM 0 -2
   65 : WATER 0 2 -16 0 0
   66 : ENDSTEP
   67 : STEP Stage4_352
   68 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
```

```
 69 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 71 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 72 : SETWALL LeftWall_32
 73 : GEOM 0 -3
 74 : WATER 0 3 -16 0 0
 75 : ENDSTEP
 76 : STEP Stage5_449
 77 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 78 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 79 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 80 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 81 : SETWALL LeftWall_32
 82 : GEOM 0 -4
 83 : WATER 0 4 -16 0 0
 84 : ENDSTEP
 85 : STEP Stage6_546
 86 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 87 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 88 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 89 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 90 : SETWALL LeftWall_32
 91 : GEOM 0 -4.5
 92 : WATER 0 4.5 -16 0 0
 93 : ENDSTEP
 94 : STEP Stage7_643
 95 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 96 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 97 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 98 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 99 : SETWALL LeftWall_32
100 : GEOM 0 -4.5
101 : WATER 0 4.5 -16 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
```

36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

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

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.8121     0.000     0.000
    2    2    3    1    0.000     0.000    0.8121     0.000     0.000
    3    3    4    1    0.000     0.000    0.8121     0.000     0.000
    4    4    5    1    0.000     0.000    0.8121     0.000     0.000
    5    5    6    1    0.000     0.000    0.8121     0.000     0.000
    6    6    7    1    0.000     0.000    0.8121     0.000     0.000
    7    7    8    1    0.000     0.000    0.8121     0.000     0.000
    8    8    9    1    0.000     0.000    0.8121     0.000     0.000
    9    9   10    1    0.000     0.000    0.8121     0.000     0.000
   10   10   11    1    0.000     0.000    0.8121     0.000     0.000
   11   11   12    1    0.000     0.000    0.8121     0.000     0.000
   12   12   13    1    0.000     0.000    0.8121     0.000     0.000
   13   13   14    1    0.000     0.000    0.8121     0.000     0.000
   14   14   15    1    0.000     0.000    0.8121     0.000     0.000
   15   15   16    1    0.000     0.000    0.8121     0.000     0.000
   16   16   17    1    0.000     0.000    0.8121     0.000     0.000
   17   17   18    1    0.000     0.000    0.8121     0.000     0.000
   18   18   19    1    0.000     0.000    0.8121     0.000     0.000
   19   19   20    1    0.000     0.000    0.8121     0.000     0.000
   20   20   21    1    0.000     0.000    0.8121     0.000     0.000
   21   21   22    1    0.000     0.000    0.8121     0.000     0.000
   22   22   23    1    0.000     0.000    0.8121     0.000     0.000
   23   23   24    1    0.000     0.000    0.8121     0.000     0.000
   24   24   25    1    0.000     0.000    0.8121     0.000     0.000
   25   25   26    1    0.000     0.000    0.8121     0.000     0.000
   26   26   27    1    0.000     0.000    0.8121     0.000     0.000
   27   27   28    1    0.000     0.000    0.8121     0.000     0.000
   28   28   29    1    0.000     0.000    0.8121     0.000     0.000
```

29	29	30	1	0.000	0.000	0.8121	0.000	0.000
30	30	31	1	0.000	0.000	0.8121	0.000	0.000
31	31	32	1	0.000	0.000	0.8121	0.000	0.000
32	32	33	1	0.000	0.000	0.8121	0.000	0.000
33	33	34	1	0.000	0.000	0.8121	0.000	0.000
34	34	35	1	0.000	0.000	0.8121	0.000	0.000
35	35	36	1	0.000	0.000	0.8121	0.000	0.000
36	36	37	1	0.000	0.000	0.8121	0.000	0.000
37	37	38	1	0.000	0.000	0.8121	0.000	0.000
38	38	39	1	0.000	0.000	0.8121	0.000	0.000
39	39	40	1	0.000	0.000	0.8121	0.000	0.000
40	40	41	1	0.000	0.000	0.8121	0.000	0.000
41	41	42	1	0.000	0.000	0.8121	0.000	0.000
42	42	43	1	0.000	0.000	0.8121	0.000	0.000
43	43	44	1	0.000	0.000	0.8121	0.000	0.000
44	44	45	1	0.000	0.000	0.8121	0.000	0.000
45	45	46	1	0.000	0.000	0.8121	0.000	0.000
46	46	47	1	0.000	0.000	0.8121	0.000	0.000
47	47	48	1	0.000	0.000	0.8121	0.000	0.000
48	48	49	1	0.000	0.000	0.8121	0.000	0.000
49	49	50	1	0.000	0.000	0.8121	0.000	0.000
50	50	51	1	0.000	0.000	0.8121	0.000	0.000
51	51	52	1	0.000	0.000	0.8121	0.000	0.000
52	52	53	1	0.000	0.000	0.8121	0.000	0.000
53	53	54	1	0.000	0.000	0.8121	0.000	0.000
54	54	55	1	0.000	0.000	0.8121	0.000	0.000
55	55	56	1	0.000	0.000	0.8121	0.000	0.000
56	56	57	1	0.000	0.000	0.8121	0.000	0.000
57	57	58	1	0.000	0.000	0.8121	0.000	0.000
58	58	59	1	0.000	0.000	0.8121	0.000	0.000
59	59	60	1	0.000	0.000	0.8121	0.000	0.000
60	60	61	1	0.000	0.000	0.8121	0.000	0.000
61	61	62	1	0.000	0.000	0.8121	0.000	0.000
62	62	63	1	0.000	0.000	0.8121	0.000	0.000
63	63	64	1	0.000	0.000	0.8121	0.000	0.000
64	64	65	1	0.000	0.000	0.8121	0.000	0.000
65	65	66	1	0.000	0.000	0.8121	0.000	0.000
66	66	67	1	0.000	0.000	0.8121	0.000	0.000
67	67	68	1	0.000	0.000	0.8121	0.000	0.000
68	68	69	1	0.000	0.000	0.8121	0.000	0.000
69	69	70	1	0.000	0.000	0.8121	0.000	0.000
70	70	71	1	0.000	0.000	0.8121	0.000	0.000
71	71	72	1	0.000	0.000	0.8121	0.000	0.000
72	72	73	1	0.000	0.000	0.8121	0.000	0.000
73	73	74	1	0.000	0.000	0.8121	0.000	0.000
74	74	75	1	0.000	0.000	0.8121	0.000	0.000
75	75	76	1	0.000	0.000	0.8121	0.000	0.000
76	76	77	1	0.000	0.000	0.8121	0.000	0.000
77	77	78	1	0.000	0.000	0.8121	0.000	0.000
78	78	79	1	0.000	0.000	0.8121	0.000	0.000
79	79	80	1	0.000	0.000	0.8121	0.000	0.000
80	80	81	1	0.000	0.000	0.8121	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

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

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

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

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
```

```
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
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ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
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ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
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ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
```

SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:25:48                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           1.00000000000000
 FOUNDATION WIDTH    (B)            11.7500000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      6.50000000000000
 BETA ......                    45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4763

 NO. OF D.P.W  FOR THIS AREA       9554
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1225E+06 RIMNOR= 0.000
           RENORM=0.2495E-27 REMNOR= 0.000     RATIO =0.4514E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.10     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1225E+06 RDR   = 0.000
           RATIOT=0.4514E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   153 NODE     77 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1225E+06 RIMNOR= 0.000
           RENORM=0.1162E-28 REMNOR=0.1150E-51 RATIO =0.9740E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.10     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1225E+06 RDR   = 0.000
           RATIOT=0.9740E-17 RATIOR= 0.000
           MAX UN=0.5840E-15 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           MIN UN=-.6210E-15 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1225E+06 RIMNOR= 0.000
           RENORM=0.9154E-29 REMNOR=0.2362E-51 RATIO =0.8646E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.10     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1225E+06 RDR   = 0.000
           RATIOT=0.8646E-17 RATIOR= 0.000
           MAX UN=0.4950E-15 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           MIN UN=-.5268E-15 IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.0850E-20   0.000       0.000       0.000       0.000            V-C  4.1493E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7483     -2.6844E-20   2.011       1.741       2.011       1.741            V-C  4.1493E+04 -0.2000       2.000
1.000       1.000       3.741       0.000       0.000     Ug5_2_8_L_0
   3 D   1.474     -2.2838E-20   4.074       3.371       4.074       3.371            V-C  4.1493E+04 -0.4000       4.000
1.000       1.000       7.371       0.000       0.000     Ug5_2_8_L_0
   4 D   2.167     -1.8829E-20   6.205       4.836       6.205       4.836            V-C  4.1493E+04 -0.6000       6.000
1.000       1.000       10.84       0.000       0.000     Ug5_2_8_L_0
   5 D   2.829     -1.4817E-20   8.386       6.146       8.386       6.146            V-C  4.1493E+04 -0.8000       8.000
1.000       1.000       14.15       0.000       0.000     Ug5_2_8_L_0
   6 D   3.467     -1.0798E-20   10.59       7.336       10.59       7.336            V-C  4.1493E+04  -1.000       10.00
1.000       1.000       17.34       0.000       0.000     Ug5_2_8_L_0
   7 D   4.089     -6.7688E-21   12.79       8.443       12.79       8.443            V-C  4.1493E+04  -1.200       12.00
1.000       1.000       20.44       0.000       0.000     Ug5_2_8_L_0
   8 D   4.699     -2.7296E-21   15.14       9.495       15.14       9.495            V-C  4.1493E+04  -1.400       14.00
1.000       1.000       23.49       0.000       0.000     Ug5_2_8_L_0
   9 D   5.302      1.3210E-21   17.53       10.51       17.53       10.51            V-C  4.1493E+04  -1.600       16.00
1.000       1.000       26.51       0.000       0.000     Ug5_2_8_L_0
  10 D   5.901      5.3838E-21   19.64       11.50       19.64       11.50            V-C  4.1493E+04  -1.800       18.00
1.000       1.000       29.50       0.000       0.000     Ug5_2_8_L_0
  11 D   6.496      9.4593E-21   21.93       12.48       21.93       12.48            V-C  4.1493E+04  -2.000       20.00
1.000       1.000       32.48       0.000       0.000     Ug5_2_8_L_0
  12 D   7.089      1.3548E-20   24.17       13.45       24.17       13.45            V-C  4.1493E+04  -2.200       22.00
1.000       1.000       35.45       0.000       0.000     Ug5_2_8_L_0
  13 D   7.681      1.7648E-20   26.22       14.41       26.22       14.41            V-C  4.1493E+04  -2.400       24.00
1.000       1.000       38.41       0.000       0.000     Ug5_2_8_L_0
  14 D   8.272      2.1760E-20   28.41       15.36       28.41       15.36            V-C  4.1493E+04  -2.600       26.00
1.000       1.000       41.36       0.000       0.000     Ug5_2_8_L_0
  15 D   8.863      2.5880E-20   30.58       16.31       30.58       16.31            V-C  4.1493E+04  -2.800       28.00
1.000       1.000       44.31       0.000       0.000     Ug5_2_8_L_0
  16 D   9.453      2.9996E-20   32.73       17.27       32.73       17.27            V-C  4.1493E+04  -3.000       30.00
1.000       1.000       47.27       0.000       0.000     Ug5_2_8_L_0
  17 D   10.04      3.4094E-20   34.74       18.22       34.74       18.22            V-C  4.1493E+04  -3.200       32.00
1.000       1.000       50.22       0.000       0.000     Ug5_2_8_L_0
  18 D   10.63      3.8159E-20   36.86       19.16       36.86       19.16            V-C  4.1493E+04  -3.400       34.00
1.000       1.000       53.16       0.000       0.000     Ug5_2_8_L_0
  19 D   11.22      4.2174E-20   38.97       20.11       38.97       20.11            V-C  4.1493E+04  -3.600       36.00
1.000       1.000       56.11       0.000       0.000     Ug5_2_8_L_0
  20 D   11.81      4.6119E-20   40.97       21.06       40.97       21.06            V-C  4.1493E+04  -3.800       38.00
1.000       1.000       59.06       0.000       0.000     Ug5_2_8_L_0
  21 D   12.40      4.9975E-20   43.07       22.01       43.07       22.01            V-C  4.1493E+04  -4.000       40.00
1.000       1.000       62.01       0.000       0.000     Ug5_2_8_L_0
  22 D   12.99      5.3722E-20   45.16       22.96       45.16       22.96            V-C  4.1493E+04  -4.200       42.00
1.000       1.000       64.96       0.000       0.000     Ug5_2_8_L_0
  23 D   13.58      5.7344E-20   47.15       23.91       47.15       23.91            V-C  4.1493E+04  -4.400       44.00
1.000       1.000       67.91       0.000       0.000     Ug5_2_8_L_0
  24 D   14.17      6.0825E-20   49.23       24.86       49.23       24.86            V-C  4.1493E+04  -4.600       46.00
1.000       1.000       70.86       0.000       0.000     Ug5_2_8_L_0
  25 D   14.76      6.4146E-20   51.30       25.81       51.30       25.81            V-C  4.1493E+04  -4.800       48.00
1.000       1.000       73.81       0.000       0.000     Ug5_2_8_L_0
  26 D   15.35      6.7287E-20   53.37       26.76       53.37       26.76            V-C  4.1493E+04  -5.000       50.00
1.000       1.000       76.76       0.000       0.000     Ug5_2_8_L_0
  27 D   15.94      7.0226E-20   55.36       27.72       55.36       27.72            V-C  4.1493E+04  -5.200       52.00
1.000       1.000       79.72       0.000       0.000     Ug5_2_8_L_0
  28 D   16.53      7.2938E-20   57.42       28.67       57.42       28.67            V-C  4.1493E+04  -5.400       54.00
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1.000	1.000	82.67	0.000	0.000	Ug5_2_8_L_0						
29 D	17.12	7.5403E-20	59.47	29.62	59.47	29.62	V-C	4.1493E+04	-5.600	56.00	
1.000	1.000	85.62	0.000	0.000	Ug5_2_8_L_0						
30 D	17.72	7.7602E-20	61.46	30.58	61.46	30.58	V-C	4.1493E+04	-5.800	58.00	
1.000	1.000	88.58	0.000	0.000	Ug5_2_8_L_0						
31 D	18.31	7.9513E-20	63.51	31.54	63.51	31.54	V-C	4.1493E+04	-6.000	60.00	
1.000	1.000	91.54	0.000	0.000	Ug5_2_8_L_0						
32 D	18.90	8.1129E-20	65.56	32.49	65.56	32.49	V-C	4.1493E+04	-6.200	62.00	
1.000	1.000	94.49	0.000	0.000	Ug5_2_8_L_0						
33 D	19.49	8.2439E-20	67.54	33.45	67.54	33.45	V-C	4.1493E+04	-6.400	64.00	
1.000	1.000	97.45	0.000	0.000	Ug5_2_8_L_0						
34 D	20.08	8.3432E-20	69.59	34.41	69.59	34.41	V-C	4.1493E+04	-6.600	66.00	
1.000	1.000	100.4	0.000	0.000	Ug5_2_8_L_0						
35 D	20.67	8.4094E-20	71.63	35.37	71.63	35.37	V-C	4.1493E+04	-6.800	68.00	
1.000	1.000	103.4	0.000	0.000	Ug5_2_8_L_0						
36 D	21.27	8.4406E-20	73.67	36.33	73.67	36.33	V-C	4.1493E+04	-7.000	70.00	
1.000	1.000	106.3	0.000	0.000	Ug5_2_8_L_0						
37 D	21.86	8.4351E-20	75.65	37.30	75.65	37.30	V-C	4.1493E+04	-7.200	72.00	
1.000	1.000	109.3	0.000	0.000	Ug5_2_8_L_0						
38 D	22.45	8.3926E-20	77.69	38.26	77.69	38.26	V-C	4.1493E+04	-7.400	74.00	
1.000	1.000	112.3	0.000	0.000	Ug5_2_8_L_0						
39 D	23.04	8.3142E-20	79.72	39.22	79.72	39.22	V-C	4.1493E+04	-7.600	76.00	
1.000	1.000	115.2	0.000	0.000	Ug5_2_8_L_0						
40 D	23.64	8.2008E-20	81.71	40.19	81.71	40.19	V-C	4.1493E+04	-7.800	78.00	
1.000	1.000	118.2	0.000	0.000	Ug5_2_8_L_0						
41 D	24.23	8.0533E-20	83.74	41.16	83.74	41.16	V-C	4.1493E+04	-8.000	80.00	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
42 D	24.82	7.8722E-20	85.77	42.12	85.77	42.12	V-C	4.1493E+04	-8.200	82.00	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
43 D	25.42	7.6577E-20	87.76	43.09	87.76	43.09	V-C	4.1493E+04	-8.400	84.00	
1.000	1.000	127.1	0.000	0.000	Ug5_2_8_L_0						
44 D	26.01	7.4097E-20	89.79	44.06	89.79	44.06	V-C	4.1493E+04	-8.600	86.00	
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0						
45 D	26.61	7.1282E-20	91.82	45.03	91.82	45.03	V-C	4.1493E+04	-8.800	88.00	
1.000	1.000	133.0	0.000	0.000	Ug5_2_8_L_0						
46 D	27.20	6.8146E-20	93.84	46.00	93.84	46.00	V-C	4.1493E+04	-9.000	90.00	
1.000	1.000	136.0	0.000	0.000	Ug5_2_8_L_0						
47 D	27.79	6.4718E-20	95.83	46.97	95.83	46.97	V-C	4.1493E+04	-9.200	92.00	
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0						
48 D	28.39	6.1027E-20	97.85	47.95	97.85	47.95	V-C	4.1493E+04	-9.400	94.00	
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0						
49 D	28.98	5.7099E-20	99.88	48.92	99.88	48.92	V-C	4.1493E+04	-9.600	96.00	
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0						
50 D	29.58	5.2961E-20	101.9	49.89	101.9	49.89	V-C	4.1493E+04	-9.800	98.00	
1.000	1.000	147.9	0.000	0.000	Ug5_2_8_L_0						
51 D	30.17	4.8631E-20	103.9	50.87	103.9	50.87	V-C	4.1493E+04	-10.00	100.00	
1.000	1.000	150.9	0.000	0.000	Ug5_2_8_L_0						
52 D	30.77	4.4112E-20	105.9	51.84	105.9	51.84	V-C	4.1493E+04	-10.20	102.0	
1.000	1.000	153.8	0.000	0.000	Ug5_2_8_L_0						
53 D	31.36	3.9405E-20	107.9	52.82	107.9	52.82	V-C	4.1493E+04	-10.40	104.0	
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0						
54 D	31.96	3.4508E-20	109.9	53.80	109.9	53.80	V-C	4.1493E+04	-10.60	106.0	
1.000	1.000	159.8	0.000	0.000	Ug5_2_8_L_0						
55 D	32.55	2.9436E-20	111.9	54.77	111.9	54.77	V-C	4.1493E+04	-10.80	108.0	
1.000	1.000	162.8	0.000	0.000	Ug5_2_8_L_0						
56 D	33.15	2.4201E-20	114.0	55.75	114.0	55.75	V-C	4.1493E+04	-11.00	110.0	
1.000	1.000	165.8	0.000	0.000	Ug5_2_8_L_0						
57 D	33.75	1.8819E-20	115.9	56.73	115.9	56.73	V-C	4.1493E+04	-11.20	112.0	
1.000	1.000	168.7	0.000	0.000	Ug5_2_8_L_0						
58 D	34.34	1.3300E-20	118.0	57.71	118.0	57.71	V-C	4.1493E+04	-11.40	114.0	
1.000	1.000	171.7	0.000	0.000	Ug5_2_8_L_0						
59 D	34.94	7.6573E-21	120.0	58.69	120.0	58.69	V-C	4.1493E+04	-11.60	116.0	
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0						
60 D	35.53	1.9018E-21	122.0	59.67	122.0	59.67	V-C	4.1493E+04	-11.80	118.0	
1.000	1.000	177.7	0.000	0.000	Ug5_2_8_L_0						
61 D	36.13	-3.9556E-21	124.0	60.65	124.0	60.65	V-C	4.1493E+04	-12.00	120.0	
1.000	1.000	180.7	0.000	0.000	Ug5_2_8_L_0						
62 D	36.71	-9.9041E-21	125.8	61.54	125.8	61.54	V-C	2.0584E+04	-12.20	122.0	
1.000	1.000	183.5	0.000	0.000	Ug6_741_743_L_0						
63 D	37.28	-1.5933E-20	127.6	62.42	127.6	62.42	V-C	2.0584E+04	-12.40	124.0	
1.000	1.000	186.4	0.000	0.000	Ug6_741_743_L_0						
64 D	37.86	-2.2038E-20	129.4	63.30	129.4	63.30	V-C	2.0584E+04	-12.60	126.0	
1.000	1.000	189.3	0.000	0.000	Ug6_741_743_L_0						
65 D	38.44	-2.8240E-20	131.2	64.19	131.2	64.19	V-C	2.0584E+04	-12.80	128.0	
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0						
66 D	39.01	-3.4570E-20	132.9	65.07	132.9	65.07	V-C	2.0584E+04	-13.00	130.0	
1.000	1.000	195.1	0.000	0.000	Ug6_741_743_L_0						
67 D	39.59	-4.1055E-20	134.7	65.95	134.7	65.95	V-C	2.0584E+04	-13.20	132.0	
1.000	1.000	198.0	0.000	0.000	Ug6_741_743_L_0						
68 D	40.17	-4.7714E-20	136.5	66.84	136.5	66.84	V-C	2.0584E+04	-13.40	134.0	
1.000	1.000	200.8	0.000	0.000	Ug6_741_743_L_0						

69	D	40.75	-5.4542E-20	138.2	67.73	138.2	67.73	V-C	2.0584E+04	-13.60	136.0
1.000		1.000	203.7	0.000	0.000	Ug6_741_743_L_0					
70	D	41.32	-6.1523E-20	140.0	68.61	140.0	68.61	V-C	2.0584E+04	-13.80	138.0
1.000		1.000	206.6	0.000	0.000	Ug6_741_743_L_0					
71	D	41.90	-6.8640E-20	141.7	69.50	141.7	69.50	V-C	2.0584E+04	-14.00	140.0
1.000		1.000	209.5	0.000	0.000	Ug6_741_743_L_0					
72	D	42.48	-7.5876E-20	143.5	70.38	143.5	70.38	V-C	2.0584E+04	-14.20	142.0
1.000		1.000	212.4	0.000	0.000	Ug6_741_743_L_0					
73	D	43.05	-8.3212E-20	145.3	71.27	145.3	71.27	V-C	2.0584E+04	-14.40	144.0
1.000		1.000	215.3	0.000	0.000	Ug6_741_743_L_0					
74	D	43.63	-9.0627E-20	147.0	72.16	147.0	72.16	V-C	2.0584E+04	-14.60	146.0
1.000		1.000	218.2	0.000	0.000	Ug6_741_743_L_0					
75	D	44.21	-9.8099E-20	148.8	73.05	148.8	73.05	V-C	2.0584E+04	-14.80	148.0
1.000		1.000	221.0	0.000	0.000	Ug6_741_743_L_0					
76	D	44.79	-1.0560E-19	150.6	73.94	150.6	73.94	V-C	2.0584E+04	-15.00	150.0
1.000		1.000	223.9	0.000	0.000	Ug6_741_743_L_0					
77	D	45.36	-1.1311E-19	152.3	74.82	152.3	74.82	V-C	2.0584E+04	-15.20	152.0
1.000		1.000	226.8	0.000	0.000	Ug6_741_743_L_0					
78	D	45.94	-1.2061E-19	154.1	75.71	154.1	75.71	V-C	2.0584E+04	-15.40	154.0
1.000		1.000	229.7	0.000	0.000	Ug6_741_743_L_0					
79	D	46.52	-1.2809E-19	155.9	76.60	155.9	76.60	V-C	2.0584E+04	-15.60	156.0
1.000		1.000	232.6	0.000	0.000	Ug6_741_743_L_0					
80	D	47.10	-1.3556E-19	157.6	77.49	157.6	77.49	V-C	2.0584E+04	-15.80	158.0
1.000		1.000	235.5	0.000	0.000	Ug6_741_743_L_0					
81	D	23.84	-1.4304E-19	159.4	78.38	159.4	78.38	V-C	2.0584E+04	-16.00	160.0
1.000		1.000	238.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
 |                                                                                                                        |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
 |                                  Exe Time :24 May 2018       18:25:48                                                  |
 +------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                             :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p      LAYER
 -------------------------------------------------------------------------------------------------------------------------------
---------------------------------------------------------------------------------
   1 D  0.000      3.0850E-20  0.000       0.000       0.000       0.000            V-C  2.6477E+04   0.000       0.000
1.000       1.000      0.000       0.000       0.000     Ug5_2_8_L_0
   2 D 0.7483      2.6844E-20  2.000       1.741       2.000       1.741            V-C  2.6477E+04 -0.2000       2.000
1.000       1.000      3.741       0.000       0.000     Ug5_2_8_L_0
   3 D  1.474      2.2838E-20  4.000       3.371       4.000       3.371            V-C  2.6477E+04 -0.4000       4.000
1.000       1.000      7.371       0.000       0.000     Ug5_2_8_L_0
   4 D  2.167      1.8829E-20  6.000       4.836       6.000       4.836            V-C  2.6477E+04 -0.6000       6.000
1.000       1.000      10.84       0.000       0.000     Ug5_2_8_L_0
   5 D  2.829      1.4817E-20  8.000       6.146       8.000       6.146            V-C  2.6477E+04 -0.8000       8.000
1.000       1.000      14.15       0.000       0.000     Ug5_2_8_L_0
   6 D  3.467      1.0798E-20  10.00       7.336       10.00       7.336            V-C  2.6477E+04  -1.000       10.00
1.000       1.000      17.34       0.000       0.000     Ug5_2_8_L_0
   7 D  4.089      6.7688E-21  12.00       8.443       12.00       8.443            V-C  2.6477E+04  -1.200       12.00
1.000       1.000      20.44       0.000       0.000     Ug5_2_8_L_0
   8 D  4.699      2.7296E-21  14.00       9.495       14.00       9.495            V-C  2.6477E+04  -1.400       14.00
1.000       1.000      23.49       0.000       0.000     Ug5_2_8_L_0
   9 D  5.302     -1.3210E-21  16.00       10.51       16.00       10.51            V-C  2.6477E+04  -1.600       16.00
1.000       1.000      26.51       0.000       0.000     Ug5_2_8_L_0
  10 D  5.901     -5.3838E-21  18.00       11.50       18.00       11.50            V-C  2.6477E+04  -1.800       18.00
1.000       1.000      29.50       0.000       0.000     Ug5_2_8_L_0
  11 D  6.496     -9.4593E-21  20.00       12.48       20.00       12.48            V-C  2.6477E+04  -2.000       20.00
1.000       1.000      32.48       0.000       0.000     Ug5_2_8_L_0
  12 D  7.089     -1.3548E-20  22.00       13.45       22.00       13.45            V-C  2.6477E+04  -2.200       22.00
1.000       1.000      35.45       0.000       0.000     Ug5_2_8_L_0
  13 D  7.681     -1.7648E-20  24.00       14.41       24.00       14.41            V-C  2.6477E+04  -2.400       24.00
1.000       1.000      38.41       0.000       0.000     Ug5_2_8_L_0
  14 D  8.272     -2.1760E-20  26.00       15.36       26.00       15.36            V-C  2.6477E+04  -2.600       26.00
1.000       1.000      41.36       0.000       0.000     Ug5_2_8_L_0
  15 D  8.863     -2.5880E-20  28.00       16.31       28.00       16.31            V-C  2.6477E+04  -2.800       28.00
1.000       1.000      44.31       0.000       0.000     Ug5_2_8_L_0
  16 D  9.453     -2.9996E-20  30.00       17.27       30.00       17.27            V-C  2.6477E+04  -3.000       30.00
1.000       1.000      47.27       0.000       0.000     Ug5_2_8_L_0
  17 D  10.04     -3.4094E-20  32.00       18.22       32.00       18.22            V-C  2.6477E+04  -3.200       32.00
1.000       1.000      50.22       0.000       0.000     Ug5_2_8_L_0
  18 D  10.63     -3.8159E-20  34.00       19.16       34.00       19.16            V-C  2.6477E+04  -3.400       34.00
1.000       1.000      53.16       0.000       0.000     Ug5_2_8_L_0
  19 D  11.22     -4.2174E-20  36.00       20.11       36.00       20.11            V-C  2.6477E+04  -3.600       36.00
1.000       1.000      56.11       0.000       0.000     Ug5_2_8_L_0
  20 D  11.81     -4.6119E-20  38.00       21.06       38.00       21.06            V-C  2.6477E+04  -3.800       38.00
1.000       1.000      59.06       0.000       0.000     Ug5_2_8_L_0
  21 D  12.40     -4.9975E-20  40.00       22.01       40.00       22.01            V-C  2.6477E+04  -4.000       40.00
1.000       1.000      62.01       0.000       0.000     Ug5_2_8_L_0
  22 D  12.99     -5.3722E-20  42.00       22.96       42.00       22.96            V-C  2.6477E+04  -4.200       42.00
1.000       1.000      64.96       0.000       0.000     Ug5_2_8_L_0
  23 D  13.58     -5.7344E-20  44.00       23.91       44.00       23.91            V-C  2.6477E+04  -4.400       44.00
1.000       1.000      67.91       0.000       0.000     Ug5_2_8_L_0
  24 D  14.17     -6.0825E-20  46.00       24.86       46.00       24.86            V-C  2.6477E+04  -4.600       46.00
1.000       1.000      70.86       0.000       0.000     Ug5_2_8_L_0
  25 D  14.76     -6.4146E-20  48.00       25.81       48.00       25.81            V-C  2.6477E+04  -4.800       48.00
1.000       1.000      73.81       0.000       0.000     Ug5_2_8_L_0
  26 D  15.35     -6.7287E-20  50.00       26.76       50.00       26.76            V-C  2.6477E+04  -5.000       50.00
1.000       1.000      76.76       0.000       0.000     Ug5_2_8_L_0
  27 D  15.94     -7.0226E-20  52.00       27.72       52.00       27.72            V-C  2.6477E+04  -5.200       52.00
1.000       1.000      79.72       0.000       0.000     Ug5_2_8_L_0
  28 D  16.53     -7.2938E-20  54.00       28.67       54.00       28.67            V-C  2.6477E+04  -5.400       54.00
```

1.000	1.000	82.67	0.000	0.000	Ug5_2_8_L_0							
29 D	17.12	-7.5403E-20	56.00	29.62	56.00	29.62	V-C	2.6477E+04	-5.600	56.00		
1.000	1.000	85.62	0.000	0.000	Ug5_2_8_L_0							
30 D	17.72	-7.7602E-20	58.00	30.58	58.00	30.58	V-C	2.6477E+04	-5.800	58.00		
1.000	1.000	88.58	0.000	0.000	Ug5_2_8_L_0							
31 D	18.31	-7.9513E-20	60.00	31.54	60.00	31.54	V-C	2.6477E+04	-6.000	60.00		
1.000	1.000	91.54	0.000	0.000	Ug5_2_8_L_0							
32 D	18.90	-8.1129E-20	62.00	32.49	62.00	32.49	V-C	2.6477E+04	-6.200	62.00		
1.000	1.000	94.49	0.000	0.000	Ug5_2_8_L_0							
33 D	19.49	-8.2439E-20	64.00	33.45	64.00	33.45	V-C	2.6477E+04	-6.400	64.00		
1.000	1.000	97.45	0.000	0.000	Ug5_2_8_L_0							
34 D	20.08	-8.3432E-20	66.00	34.41	66.00	34.41	V-C	2.6477E+04	-6.600	66.00		
1.000	1.000	100.4	0.000	0.000	Ug5_2_8_L_0							
35 D	20.67	-8.4094E-20	68.00	35.37	68.00	35.37	V-C	2.6477E+04	-6.800	68.00		
1.000	1.000	103.4	0.000	0.000	Ug5_2_8_L_0							
36 D	21.27	-8.4406E-20	70.00	36.33	70.00	36.33	V-C	2.6477E+04	-7.000	70.00		
1.000	1.000	106.3	0.000	0.000	Ug5_2_8_L_0							
37 D	21.86	-8.4351E-20	72.00	37.30	72.00	37.30	V-C	2.6477E+04	-7.200	72.00		
1.000	1.000	109.3	0.000	0.000	Ug5_2_8_L_0							
38 D	22.45	-8.3926E-20	74.00	38.26	74.00	38.26	V-C	2.6477E+04	-7.400	74.00		
1.000	1.000	112.3	0.000	0.000	Ug5_2_8_L_0							
39 D	23.04	-8.3142E-20	76.00	39.22	76.00	39.22	V-C	2.6477E+04	-7.600	76.00		
1.000	1.000	115.2	0.000	0.000	Ug5_2_8_L_0							
40 D	23.64	-8.2008E-20	78.00	40.19	78.00	40.19	V-C	2.6477E+04	-7.800	78.00		
1.000	1.000	118.2	0.000	0.000	Ug5_2_8_L_0							
41 D	24.23	-8.0533E-20	80.00	41.16	80.00	41.16	V-C	2.6477E+04	-8.000	80.00		
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0							
42 D	24.82	-7.8722E-20	82.00	42.12	82.00	42.12	V-C	2.6477E+04	-8.200	82.00		
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0							
43 D	25.42	-7.6577E-20	84.00	43.09	84.00	43.09	V-C	2.6477E+04	-8.400	84.00		
1.000	1.000	127.1	0.000	0.000	Ug5_2_8_L_0							
44 D	26.01	-7.4097E-20	86.00	44.06	86.00	44.06	V-C	2.6477E+04	-8.600	86.00		
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0							
45 D	26.61	-7.1282E-20	88.00	45.03	88.00	45.03	V-C	2.6477E+04	-8.800	88.00		
1.000	1.000	133.0	0.000	0.000	Ug5_2_8_L_0							
46 D	27.20	-6.8146E-20	90.00	46.00	90.00	46.00	V-C	2.6477E+04	-9.000	90.00		
1.000	1.000	136.0	0.000	0.000	Ug5_2_8_L_0							
47 D	27.79	-6.4718E-20	92.00	46.97	92.00	46.97	V-C	2.6477E+04	-9.200	92.00		
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0							
48 D	28.39	-6.1027E-20	94.00	47.95	94.00	47.95	V-C	2.6477E+04	-9.400	94.00		
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0							
49 D	28.98	-5.7099E-20	96.00	48.92	96.00	48.92	V-C	2.6477E+04	-9.600	96.00		
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0							
50 D	29.58	-5.2961E-20	98.00	49.89	98.00	49.89	V-C	2.6477E+04	-9.800	98.00		
1.000	1.000	147.9	0.000	0.000	Ug5_2_8_L_0							
51 D	30.17	-4.8631E-20	100.00	50.87	100.00	50.87	V-C	2.6477E+04	-10.00	100.00		
1.000	1.000	150.9	0.000	0.000	Ug5_2_8_L_0							
52 D	30.77	-4.4112E-20	102.0	51.84	102.0	51.84	V-C	2.6477E+04	-10.20	102.0		
1.000	1.000	153.8	0.000	0.000	Ug5_2_8_L_0							
53 D	31.36	-3.9405E-20	104.0	52.82	104.0	52.82	V-C	2.6477E+04	-10.40	104.0		
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0							
54 D	31.96	-3.4508E-20	106.0	53.80	106.0	53.80	V-C	2.6477E+04	-10.60	106.0		
1.000	1.000	159.8	0.000	0.000	Ug5_2_8_L_0							
55 D	32.55	-2.9436E-20	108.0	54.77	108.0	54.77	V-C	2.6477E+04	-10.80	108.0		
1.000	1.000	162.8	0.000	0.000	Ug5_2_8_L_0							
56 D	33.15	-2.4201E-20	110.0	55.75	110.0	55.75	V-C	2.6477E+04	-11.00	110.0		
1.000	1.000	165.8	0.000	0.000	Ug5_2_8_L_0							
57 D	33.75	-1.8819E-20	112.0	56.73	112.0	56.73	V-C	2.6477E+04	-11.20	112.0		
1.000	1.000	168.7	0.000	0.000	Ug5_2_8_L_0							
58 D	34.34	-1.3300E-20	114.0	57.71	114.0	57.71	V-C	2.6477E+04	-11.40	114.0		
1.000	1.000	171.7	0.000	0.000	Ug5_2_8_L_0							
59 D	34.94	-7.6573E-21	116.0	58.69	116.0	58.69	V-C	2.6477E+04	-11.60	116.0		
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0							
60 D	35.53	-1.9018E-21	118.0	59.67	118.0	59.67	V-C	2.6477E+04	-11.80	118.0		
1.000	1.000	177.7	0.000	0.000	Ug5_2_8_L_0							
61 D	36.13	3.9556E-21	120.0	60.65	120.0	60.65	V-C	2.6477E+04	-12.00	120.0		
1.000	1.000	180.7	0.000	0.000	Ug5_2_8_L_0							
62 D	36.71	9.9041E-21	121.8	61.54	121.8	61.54	V-C	1.9214E+04	-12.20	122.0		
1.000	1.000	183.5	0.000	0.000	Ug6_741_743_L_0							
63 D	37.28	1.5933E-20	123.6	62.42	123.6	62.42	V-C	1.9214E+04	-12.40	124.0		
1.000	1.000	186.4	0.000	0.000	Ug6_741_743_L_0							
64 D	37.86	2.2038E-20	125.4	63.30	125.4	63.30	V-C	1.9214E+04	-12.60	126.0		
1.000	1.000	189.3	0.000	0.000	Ug6_741_743_L_0							
65 D	38.44	2.8240E-20	127.2	64.19	127.2	64.19	V-C	1.9214E+04	-12.80	128.0		
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0							
66 D	39.01	3.4570E-20	129.0	65.07	129.0	65.07	V-C	1.9214E+04	-13.00	130.0		
1.000	1.000	195.1	0.000	0.000	Ug6_741_743_L_0							
67 D	39.59	4.1055E-20	130.8	65.95	130.8	65.95	V-C	1.9214E+04	-13.20	132.0		
1.000	1.000	198.0	0.000	0.000	Ug6_741_743_L_0							
68 D	40.17	4.7714E-20	132.6	66.84	132.6	66.84	V-C	1.9214E+04	-13.40	134.0		
1.000	1.000	200.8	0.000	0.000	Ug6_741_743_L_0							

69	D	40.75	5.4542E-20	134.4	67.73	134.4	67.73	V-C	1.9214E+04	-13.60	136.0
1.000		1.000	203.7	0.000	0.000	Ug6_741_743_L_0					
70	D	41.32	6.1523E-20	136.2	68.61	136.2	68.61	V-C	1.9214E+04	-13.80	138.0
1.000		1.000	206.6	0.000	0.000	Ug6_741_743_L_0					
71	D	41.90	6.8640E-20	138.0	69.50	138.0	69.50	V-C	1.9214E+04	-14.00	140.0
1.000		1.000	209.5	0.000	0.000	Ug6_741_743_L_0					
72	D	42.48	7.5876E-20	139.8	70.38	139.8	70.38	V-C	1.9214E+04	-14.20	142.0
1.000		1.000	212.4	0.000	0.000	Ug6_741_743_L_0					
73	D	43.05	8.3212E-20	141.6	71.27	141.6	71.27	V-C	1.9214E+04	-14.40	144.0
1.000		1.000	215.3	0.000	0.000	Ug6_741_743_L_0					
74	D	43.63	9.0627E-20	143.4	72.16	143.4	72.16	V-C	1.9214E+04	-14.60	146.0
1.000		1.000	218.2	0.000	0.000	Ug6_741_743_L_0					
75	D	44.21	9.8099E-20	145.2	73.05	145.2	73.05	V-C	1.9214E+04	-14.80	148.0
1.000		1.000	221.0	0.000	0.000	Ug6_741_743_L_0					
76	D	44.79	1.0560E-19	147.0	73.94	147.0	73.94	V-C	1.9214E+04	-15.00	150.0
1.000		1.000	223.9	0.000	0.000	Ug6_741_743_L_0					
77	D	45.36	1.1311E-19	148.8	74.82	148.8	74.82	V-C	1.9214E+04	-15.20	152.0
1.000		1.000	226.8	0.000	0.000	Ug6_741_743_L_0					
78	D	45.94	1.2061E-19	150.6	75.71	150.6	75.71	V-C	1.9214E+04	-15.40	154.0
1.000		1.000	229.7	0.000	0.000	Ug6_741_743_L_0					
79	D	46.52	1.2809E-19	152.4	76.60	152.4	76.60	V-C	1.9214E+04	-15.60	156.0
1.000		1.000	232.6	0.000	0.000	Ug6_741_743_L_0					
80	D	47.10	1.3556E-19	154.2	77.49	154.2	77.49	V-C	1.9214E+04	-15.80	158.0
1.000		1.000	235.5	0.000	0.000	Ug6_741_743_L_0					
81	D	23.84	1.4304E-19	156.0	78.38	156.0	78.38	V-C	1.9214E+04	-16.00	160.0
1.000		1.000	238.4	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1-9.09245E-17 9.09245E-17-4.54384E-28-1.81849E-17
    2-2.44841E-16 2.44841E-16 1.81849E-17-6.71531E-17
    3-3.70828E-16 3.70828E-16 6.71531E-17-1.41319E-16
    4-4.68895E-16 4.68895E-16 1.41319E-16-2.35098E-16
    5-5.39063E-16 5.39063E-16 2.35098E-16-3.42910E-16
    6-1.37278E-16 1.37278E-16 3.42910E-16-3.70366E-16
    7-1.51776E-16 1.51776E-16 3.70366E-16-4.00721E-16
    8-1.38550E-16 1.38550E-16 4.00721E-16-4.28431E-16
    9-9.77124E-17 9.77124E-17 4.28431E-16-4.47974E-16
   10-2.94100E-17 2.94100E-17 4.47974E-16-4.53856E-16
   11 6.61695E-17-6.61695E-17 4.53856E-16-4.40622E-16
   12 1.88794E-16-1.88794E-16 4.40622E-16-4.02863E-16
   13 3.38182E-16-3.38182E-16 4.02863E-16-3.35227E-16
   14 2.29035E-15-2.29035E-15 3.35227E-16 1.22844E-16
   15 2.49220E-15-2.49220E-15-1.22844E-16 6.21284E-16
   16 2.71962E-15-2.71962E-15-6.21284E-16 1.16521E-15
   17 2.97208E-15-2.97208E-15-1.16521E-15 1.75963E-15
   18 3.24899E-15-3.24899E-15-1.75963E-15 2.40942E-15
   19 3.54969E-15-3.54969E-15-2.40942E-15 3.11936E-15
   20 3.87341E-15-3.87341E-15-3.11936E-15 3.89404E-15
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   38-1.89466E-15 1.89466E-15-1.26208E-14 1.22419E-14
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   45-5.58308E-15 5.58308E-15-1.13723E-14 1.02557E-14
   46-5.15200E-15 5.15200E-15-1.02557E-14 9.22525E-15
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   53-2.77837E-15 2.77837E-15-6.74097E-15 6.18529E-15
   54-2.54990E-15 2.54990E-15-6.18529E-15 5.67531E-15
   55-2.35331E-15 2.35331E-15-5.67531E-15 5.20465E-15
   56-2.18982E-15 2.18982E-15-5.20465E-15 4.76669E-15
   57-2.06064E-15 2.06064E-15-4.76669E-15 4.35456E-15
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   59-1.90954E-15 1.90954E-15-3.96119E-15 3.57928E-15
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   69-2.85594E-15 2.85594E-15-5.37549E-15 4.80430E-15
   70-3.08722E-15 3.08722E-15-4.80430E-15 4.18686E-15
   71-3.34441E-15 3.34441E-15-4.18686E-15 3.51798E-15
   72-3.62768E-15 3.62768E-15-3.51798E-15 2.79244E-15
   73-3.93717E-15 3.93717E-15-2.79244E-15 2.00501E-15
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   75-4.63524E-15 4.63524E-15-1.15041E-15 2.23360E-16
   76-5.02398E-15 5.02398E-15-2.23360E-16-7.81436E-16
   77 1.66616E-15-1.66616E-15 7.81436E-16-4.48204E-16
   78 1.22431E-15-1.22431E-15 4.48204E-16-2.03341E-16
   79 7.55868E-16-7.55868E-16 2.03341E-16-5.21675E-17
   80 2.60824E-16-2.60824E-16 5.21675E-17-2.01948E-27

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1136E+06 RIMNOR=0.7113E-26
           RENORM= 304.5     REMNOR=0.2362E-51 RATIO =0.5177E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.59     RMMAX =0.1310E-13
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-18
           RDT   =0.1136E+06 RDR   =0.1000E-18
           RATIOT=0.5177E-01 RATIOR= 0.000
           MAX UN= 3.435     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.4443E-26 IEQ=   142 NODE     71 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1136E+06 RIMNOR=0.7113E-26
           RENORM= 14.72     REMNOR=0.4094E-21 RATIO =0.1138E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.59     RMMAX =0.1310E-13
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-18
           RDT   =0.1136E+06 RDR   =0.1000E-18
           RATIOT=0.1138E-01 RATIOR= 0.000
           MAX UN= 1.616     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3449E-10 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1136E+06 RIMNOR=0.7113E-26
           RENORM= 9.817     REMNOR=0.1077E-20 RATIO =0.9296E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.59     RMMAX =0.1310E-13
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-18
           RDT   =0.1136E+06 RDR   =0.1000E-18
           RATIOT=0.9296E-02 RATIOR= 0.000
           MAX UN= 1.896     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.2447E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1136E+06 RIMNOR=0.7113E-26
           RENORM=0.1806     REMNOR=0.3299E-21 RATIO =0.1261E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.59     RMMAX =0.1310E-13
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-18
           RDT   =0.1136E+06 RDR   =0.1000E-18
           RATIOT=0.1261E-02 RATIOR= 0.000
           MAX UN=0.3817     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1656E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1136E+06 RIMNOR=0.7113E-26
           RENORM=0.2560E-04 REMNOR=0.3148E-21 RATIO =0.1501E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.59     RMMAX =0.1310E-13
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-18
           RDT   =0.1136E+06 RDR   =0.1000E-18
           RATIOT=0.1501E-04 RATIOR= 0.000
           MAX UN=0.5060E-02 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1349E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.2370625E-04  -7.8480341E-05
    2   4.0801018E-04  -7.8480341E-05
    3   3.9231461E-04  -7.8472946E-05
    4   3.7662298E-04  -7.8435925E-05
    5   3.6094469E-04  -7.8332098E-05
    6   3.4529808E-04  -7.8109232E-05
    7   3.2971343E-04  -7.7699974E-05
    8   3.1423394E-04  -7.7052934E-05
    9   2.9890859E-04  -7.6160778E-05
   10   2.8378509E-04  -7.5036698E-05
   11   2.6890849E-04  -7.3694042E-05
   12   2.5432115E-04  -7.2146257E-05
   13   2.4006277E-04  -7.0406690E-05
   14   2.2617036E-04  -6.8488776E-05
   15   2.1267824E-04  -6.6406089E-05
   16   1.9961800E-04  -6.4172252E-05
   17   1.8701844E-04  -6.1801011E-05
   18   1.7490576E-04  -5.9306472E-05
   19   1.6330311E-04  -5.6703110E-05
   20   1.5223078E-04  -5.4005793E-05
   21   1.4170607E-04  -5.1229976E-05
   22   1.3174300E-04  -4.8391731E-05
   23   1.2235243E-04  -4.5507840E-05
   24   1.1354173E-04  -4.2595915E-05
   25   1.0531469E-04  -3.9674510E-05
   26   9.7671260E-05  -3.6763144E-05
   27   9.0607427E-05  -3.3882411E-05
   28   8.4114837E-05  -3.1054097E-05
   29   7.8180788E-05  -2.8300788E-05
   30   7.2788163E-05  -2.5642861E-05
   31   6.7916215E-05  -2.3096354E-05
   32   6.3541404E-05  -2.0673432E-05
   33   5.9638047E-05  -1.8382780E-05
   34   5.6179095E-05  -1.6230089E-05
   35   5.3136611E-05  -1.4218400E-05
   36   5.0482283E-05  -1.2348487E-05
   37   4.8187852E-05  -1.0619209E-05
   38   4.6225415E-05  -9.0278713E-06
   39   4.4567783E-05  -7.5703340E-06
   40   4.3188736E-05  -6.2409825E-06
   41   4.2063294E-05  -5.0330678E-06
   42   4.1167918E-05  -3.9390071E-06
   43   4.0480644E-05  -2.9506567E-06
   44   3.9981172E-05  -2.0595569E-06
   45   3.9650910E-05  -1.2571559E-06
   46   3.9472963E-05  -5.3499053E-07
   47   3.9432109E-05   1.1511431E-07
   48   3.9514721E-05   7.0090676E-07
   49   3.9708663E-05   1.2295657E-06
   50   4.0003169E-05   1.7075763E-06
   51   4.0388695E-05   2.1406315E-06
   52   4.0856757E-05   2.5335314E-06
   53   4.1399666E-05   2.8900535E-06
   54   4.2010513E-05   3.2130045E-06
   55   4.2682738E-05   3.5040074E-06
   56   4.3410017E-05   3.7635272E-06
   57   4.4185999E-05   3.9908027E-06
   58   4.5004053E-05   4.1838029E-06
   59   4.5857013E-05   4.3391909E-06
   60   4.6736911E-05   4.4522948E-06
   61   4.7634710E-05   4.5170852E-06
   62   4.8540031E-05   4.5261609E-06
   63   4.9441594E-05   4.4815352E-06
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64	5.0329837E-05	4.3947868E-06
65	5.1197401E-05	4.2764234E-06
66	5.2038928E-05	4.1358936E-06
67	5.2850841E-05	3.9816031E-06
68	5.3631144E-05	3.8209330E-06
69	5.4379215E-05	3.6602617E-06
70	5.5095608E-05	3.5049857E-06
71	5.5781864E-05	3.3595424E-06
72	5.6440314E-05	3.2274303E-06
73	5.7073897E-05	3.1112296E-06
74	5.7685979E-05	3.0126195E-06
75	5.8280171E-05	2.9323944E-06
76	5.8860157E-05	2.8704776E-06
77	5.9429520E-05	2.8259315E-06
78	5.9991568E-05	2.7969671E-06
79	6.0549170E-05	2.7809493E-06
80	6.1104579E-05	2.7744017E-06
81	6.1659302E-05	2.7730082E-06

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -4.2371E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5195     -4.0801E-04   2.075      0.6619       2.075       1.774          ACTIVE   0.000     -0.2000       1.935
1.000       1.000       2.597       0.000       0.000     Ug5_2_8_L_0
   3 D   1.042     -3.9231E-04   4.203       1.341       4.203       3.436          ACTIVE   0.000     -0.4000       3.871
1.000       1.000       5.212       0.000       0.000     Ug5_2_8_L_0
   4 D   1.570     -3.7662E-04   6.399       2.041       6.399       4.933          ACTIVE   0.000     -0.6000       5.806
1.000       1.000       7.848       0.000       0.000     Ug5_2_8_L_0
   5 D   2.100     -3.6094E-04   8.644       2.758       8.644       6.275          ACTIVE   0.000     -0.8000       7.742
1.000       1.000       10.50       0.000       0.000     Ug5_2_8_L_0
   6 D   2.632     -3.4530E-04   10.91       3.481       10.91       7.498          ACTIVE   0.000      -1.000       9.677
1.000       1.000       13.16       0.000       0.000     Ug5_2_8_L_0
   7 D   3.164     -3.2971E-04   13.18       4.205       13.18       8.636          ACTIVE   0.000      -1.200       11.61
1.000       1.000       15.82       0.000       0.000     Ug5_2_8_L_0
   8 D   3.704     -3.1423E-04   15.59       4.973       15.59       9.720          ACTIVE   0.000      -1.400       13.55
1.000       1.000       18.52       0.000       0.000     Ug5_2_8_L_0
   9 D   4.248     -2.9891E-04   18.04       5.756       18.04       10.77          ACTIVE   0.000      -1.600       15.48
1.000       1.000       21.24       0.000       0.000     Ug5_2_8_L_0
  10 D   4.774     -2.8379E-04   20.22       6.451       20.22       11.79          ACTIVE   0.000      -1.800       17.42
1.000       1.000       23.87       0.000       0.000     Ug5_2_8_L_0
  11 D   5.311     -2.6891E-04   22.58       7.201       22.58       12.80          ACTIVE   0.000      -2.000       19.35
1.000       1.000       26.56       0.000       0.000     Ug5_2_8_L_0
  12 D   5.845     -2.5432E-04   24.88       7.937       24.88       13.80          ACTIVE   0.000      -2.200       21.29
1.000       1.000       29.23       0.000       0.000     Ug5_2_8_L_0
  13 D   6.368     -2.4006E-04   27.00       8.612       27.00       14.79          ACTIVE   0.000      -2.400       23.23
1.000       1.000       31.84       0.000       0.000     Ug5_2_8_L_0
  14 D   6.899     -2.2617E-04   29.25       9.331       29.25       15.78          ACTIVE   0.000      -2.600       25.16
1.000       1.000       34.49       0.000       0.000     Ug5_2_8_L_0
  15 D   7.428     -2.1268E-04   31.48       10.04       31.48       16.77          ACTIVE   0.000      -2.800       27.10
1.000       1.000       37.14       0.000       0.000     Ug5_2_8_L_0
  16 D   7.956     -1.9962E-04   33.69       10.75       33.69       17.75          ACTIVE   0.000      -3.000       29.03
1.000       1.000       39.78       0.000       0.000     Ug5_2_8_L_0
  17 D   8.476     -1.8702E-04   35.77       11.41       35.77       18.73          ACTIVE   0.000      -3.200       30.97
1.000       1.000       42.38       0.000       0.000     Ug5_2_8_L_0
  18 D   9.002     -1.7491E-04   37.96       12.11       37.96       19.71          ACTIVE   0.000      -3.400       32.90
1.000       1.000       45.01       0.000       0.000     Ug5_2_8_L_0
  19 D   9.528     -1.6330E-04   40.13       12.80       40.13       20.69          ACTIVE   0.000      -3.600       34.84
1.000       1.000       47.64       0.000       0.000     Ug5_2_8_L_0
  20 D   10.05     -1.5223E-04   42.20       13.46       42.20       21.67          ACTIVE   0.000      -3.800       36.77
1.000       1.000       50.24       0.000       0.000     Ug5_2_8_L_0
  21 D   10.57     -1.4171E-04   44.36       14.15       44.36       22.66          ACTIVE   0.000      -4.000       38.71
1.000       1.000       52.86       0.000       0.000     Ug5_2_8_L_0
  22 D   11.10     -1.3174E-04   46.51       14.84       46.51       23.64          ACTIVE   0.000      -4.200       40.65
1.000       1.000       55.48       0.000       0.000     Ug5_2_8_L_0
  23 D   11.62     -1.2235E-04   48.57       15.49       48.57       24.62          ACTIVE   0.000      -4.400       42.58
1.000       1.000       58.08       0.000       0.000     Ug5_2_8_L_0
  24 D   12.14     -1.1354E-04   50.71       16.18       50.71       25.60          ACTIVE   0.000      -4.600       44.52
1.000       1.000       60.69       0.000       0.000     Ug5_2_8_L_0
  25 D   12.66     -1.0531E-04   52.85       16.86       52.85       26.59          ACTIVE   0.000      -4.800       46.45
1.000       1.000       63.31       0.000       0.000     Ug5_2_8_L_0
  26 D   13.19     -9.7671E-05   54.98       17.54       54.98       27.57          ACTIVE   0.000      -5.000       48.39
1.000       1.000       65.93       0.000       0.000     Ug5_2_8_L_0
  27 D   13.70     -9.0607E-05   57.03       18.19       57.03       28.55          ACTIVE   0.000      -5.200       50.32
1.000       1.000       68.52       0.000       0.000     Ug5_2_8_L_0
  28 D   14.27     -8.4115E-05   59.16       19.07       59.16       29.54           UL-RL  1.2448E+05  -5.400       52.26
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1.000	1.000	71.33	0.000	0.000	Ug5_2_8_L_0					
29 D	15.00	-7.8181E-05	61.28	20.80	61.28	30.53	UL-RL	1.2448E+05	-5.600	54.19
1.000	1.000	74.99	0.000	0.000	Ug5_2_8_L_0					
30 D	15.72	-7.2788E-05	63.33	22.45	63.33	31.52	UL-RL	1.2448E+05	-5.800	56.13
1.000	1.000	78.58	0.000	0.000	Ug5_2_8_L_0					
31 D	16.42	-6.7916E-05	65.44	24.05	65.44	32.50	UL-RL	1.2448E+05	-6.000	58.06
1.000	1.000	82.11	0.000	0.000	Ug5_2_8_L_0					
32 D	17.12	-6.3541E-05	67.56	25.58	67.56	33.49	UL-RL	1.2448E+05	-6.200	60.00
1.000	1.000	85.58	0.000	0.000	Ug5_2_8_L_0					
33 D	17.80	-5.9638E-05	69.61	27.06	69.61	34.49	UL-RL	1.2448E+05	-6.400	61.94
1.000	1.000	89.00	0.000	0.000	Ug5_2_8_L_0					
34 D	18.47	-5.6179E-05	71.72	28.48	71.72	35.48	UL-RL	1.2448E+05	-6.600	63.87
1.000	1.000	92.35	0.000	0.000	Ug5_2_8_L_0					
35 D	19.13	-5.3137E-05	73.82	29.86	73.82	36.47	UL-RL	1.2448E+05	-6.800	65.81
1.000	1.000	95.66	0.000	0.000	Ug5_2_8_L_0					
36 D	19.78	-5.0482E-05	75.93	31.18	75.93	37.46	UL-RL	1.2448E+05	-7.000	67.74
1.000	1.000	98.92	0.000	0.000	Ug5_2_8_L_0					
37 D	20.43	-4.8188E-05	77.98	32.46	77.98	38.46	UL-RL	1.2448E+05	-7.200	69.68
1.000	1.000	102.1	0.000	0.000	Ug5_2_8_L_0					
38 D	21.06	-4.6225E-05	80.08	33.70	80.08	39.45	UL-RL	1.2448E+05	-7.400	71.61
1.000	1.000	105.3	0.000	0.000	Ug5_2_8_L_0					
39 D	21.69	-4.4568E-05	82.18	34.90	82.18	40.45	UL-RL	1.2448E+05	-7.600	73.55
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0					
40 D	22.31	-4.3189E-05	84.22	36.07	84.22	41.45	UL-RL	1.2448E+05	-7.800	75.48
1.000	1.000	111.6	0.000	0.000	Ug5_2_8_L_0					
41 D	22.93	-4.2063E-05	86.32	37.21	86.32	42.45	UL-RL	1.2448E+05	-8.000	77.42
1.000	1.000	114.6	0.000	0.000	Ug5_2_8_L_0					
42 D	23.54	-4.1168E-05	88.42	38.32	88.42	43.45	UL-RL	1.2448E+05	-8.200	79.35
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0					
43 D	24.14	-4.0481E-05	90.47	39.41	90.47	44.45	UL-RL	1.2448E+05	-8.400	81.29
1.000	1.000	120.7	0.000	0.000	Ug5_2_8_L_0					
44 D	24.74	-3.9981E-05	92.56	40.47	92.56	45.45	UL-RL	1.2448E+05	-8.600	83.23
1.000	1.000	123.7	0.000	0.000	Ug5_2_8_L_0					
45 D	25.34	-3.9651E-05	94.65	41.51	94.65	46.45	UL-RL	1.2448E+05	-8.800	85.16
1.000	1.000	126.7	0.000	0.000	Ug5_2_8_L_0					
46 D	25.93	-3.9473E-05	96.75	42.54	96.75	47.45	UL-RL	1.2448E+05	-9.000	87.10
1.000	1.000	129.6	0.000	0.000	Ug5_2_8_L_0					
47 D	26.52	-3.9432E-05	98.79	43.55	98.79	48.46	UL-RL	1.2448E+05	-9.200	89.03
1.000	1.000	132.6	0.000	0.000	Ug5_2_8_L_0					
48 D	27.10	-3.9515E-05	100.9	44.54	100.9	49.46	UL-RL	1.2448E+05	-9.400	90.97
1.000	1.000	135.5	0.000	0.000	Ug5_2_8_L_0					
49 D	27.69	-3.9709E-05	103.0	45.52	103.0	50.47	UL-RL	1.2448E+05	-9.600	92.90
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0					
50 D	28.27	-4.0003E-05	105.0	46.49	105.0	51.47	UL-RL	1.2448E+05	-9.800	94.84
1.000	1.000	141.3	0.000	0.000	Ug5_2_8_L_0					
51 D	28.85	-4.0389E-05	107.1	47.45	107.1	52.48	UL-RL	1.2448E+05	-10.00	96.77
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0					
52 D	29.42	-4.0857E-05	109.2	48.40	109.2	53.49	UL-RL	1.2448E+05	-10.20	98.71
1.000	1.000	147.1	0.000	0.000	Ug5_2_8_L_0					
53 D	30.00	-4.1400E-05	111.2	49.34	111.2	54.50	UL-RL	1.2448E+05	-10.40	100.6
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0					
54 D	30.57	-4.2011E-05	113.3	50.28	113.3	55.51	UL-RL	1.2448E+05	-10.60	102.6
1.000	1.000	152.9	0.000	0.000	Ug5_2_8_L_0					
55 D	31.14	-4.2683E-05	115.4	51.20	115.4	56.52	UL-RL	1.2448E+05	-10.80	104.5
1.000	1.000	155.7	0.000	0.000	Ug5_2_8_L_0					
56 D	31.71	-4.3410E-05	117.5	52.12	117.5	57.53	UL-RL	1.2448E+05	-11.00	106.5
1.000	1.000	158.6	0.000	0.000	Ug5_2_8_L_0					
57 D	32.29	-4.4186E-05	119.6	53.04	119.6	58.54	UL-RL	1.2448E+05	-11.20	108.4
1.000	1.000	161.4	0.000	0.000	Ug5_2_8_L_0					
58 D	32.85	-4.5004E-05	121.6	53.95	121.6	59.55	UL-RL	1.2448E+05	-11.40	110.3
1.000	1.000	164.3	0.000	0.000	Ug5_2_8_L_0					
59 D	33.42	-4.5857E-05	123.7	54.85	123.7	60.56	UL-RL	1.2448E+05	-11.60	112.3
1.000	1.000	167.1	0.000	0.000	Ug5_2_8_L_0					
60 D	33.99	-4.6737E-05	125.8	55.76	125.8	61.58	UL-RL	1.2448E+05	-11.80	114.2
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0					
61 D	34.56	-4.7635E-05	127.9	56.66	127.9	62.59	UL-RL	1.2448E+05	-12.00	116.1
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0					
62 D	35.71	-4.8540E-05	129.7	60.51	129.7	63.50	UL-RL	6.1752E+04	-12.20	118.1
1.000	1.000	178.6	0.000	0.000	Ug6_741_743_L_0					
63 D	36.27	-4.9442E-05	131.6	61.37	131.6	64.42	UL-RL	6.1752E+04	-12.40	120.0
1.000	1.000	181.4	0.000	0.000	Ug6_741_743_L_0					
64 D	36.83	-5.0330E-05	133.5	62.23	133.5	65.33	UL-RL	6.1752E+04	-12.60	121.9
1.000	1.000	184.2	0.000	0.000	Ug6_741_743_L_0					
65 D	37.39	-5.1197E-05	135.3	63.09	135.3	66.25	UL-RL	6.1752E+04	-12.80	123.9
1.000	1.000	187.0	0.000	0.000	Ug6_741_743_L_0					
66 D	37.95	-5.2039E-05	137.1	63.95	137.1	67.17	UL-RL	6.1752E+04	-13.00	125.8
1.000	1.000	189.8	0.000	0.000	Ug6_741_743_L_0					
67 D	38.51	-5.2851E-05	139.0	64.82	139.0	68.08	UL-RL	6.1752E+04	-13.20	127.7
1.000	1.000	192.6	0.000	0.000	Ug6_741_743_L_0					
68 D	39.07	-5.3631E-05	140.8	65.69	140.8	69.00	UL-RL	6.1752E+04	-13.40	129.7
1.000	1.000	195.4	0.000	0.000	Ug6_741_743_L_0					

69 D	39.63	-5.4379E-05	142.6	66.56	142.6	69.92	UL-RL	6.1752E+04	-13.60	131.6
1.000	1.000	198.2	0.000	0.000	Ug6_741_743_L_0					
70 D	40.20	-5.5096E-05	144.4	67.43	144.4	70.84	UL-RL	6.1752E+04	-13.80	133.5
1.000	1.000	201.0	0.000	0.000	Ug6_741_743_L_0					
71 D	40.76	-5.5782E-05	146.3	68.31	146.3	71.76	UL-RL	6.1752E+04	-14.00	135.5
1.000	1.000	203.8	0.000	0.000	Ug6_741_743_L_0					
72 D	41.32	-5.6440E-05	148.1	69.19	148.1	72.68	UL-RL	6.1752E+04	-14.20	137.4
1.000	1.000	206.6	0.000	0.000	Ug6_741_743_L_0					
73 D	41.88	-5.7074E-05	149.9	70.07	149.9	73.59	UL-RL	6.1752E+04	-14.40	139.4
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
74 D	42.45	-5.7686E-05	151.7	70.95	151.7	74.51	UL-RL	6.1752E+04	-14.60	141.3
1.000	1.000	212.2	0.000	0.000	Ug6_741_743_L_0					
75 D	43.01	-5.8280E-05	153.6	71.84	153.6	75.43	UL-RL	6.1752E+04	-14.80	143.2
1.000	1.000	215.1	0.000	0.000	Ug6_741_743_L_0					
76 D	43.58	-5.8860E-05	155.4	72.72	155.4	76.36	UL-RL	6.1752E+04	-15.00	145.2
1.000	1.000	217.9	0.000	0.000	Ug6_741_743_L_0					
77 D	44.14	-5.9430E-05	157.2	73.61	157.2	77.28	UL-RL	6.1752E+04	-15.20	147.1
1.000	1.000	220.7	0.000	0.000	Ug6_741_743_L_0					
78 D	44.71	-5.9992E-05	159.1	74.49	159.1	78.20	UL-RL	6.1752E+04	-15.40	149.0
1.000	1.000	223.5	0.000	0.000	Ug6_741_743_L_0					
79 D	45.27	-6.0549E-05	160.9	75.38	160.9	79.12	UL-RL	6.1752E+04	-15.60	151.0
1.000	1.000	226.3	0.000	0.000	Ug6_741_743_L_0					
80 D	45.83	-6.1105E-05	162.7	76.27	162.7	80.04	UL-RL	6.1752E+04	-15.80	152.9
1.000	1.000	229.2	0.000	0.000	Ug6_741_743_L_0					
81 D	23.20	-6.1659E-05	164.6	77.16	164.6	80.96	UL-RL	6.1752E+04	-16.00	154.8
1.000	1.000	232.0	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      3.4530E-04   0.000       0.000       10.00       7.336         PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.185      3.2971E-04   1.935       8.861       12.00       8.861         PASSIVE   0.000      -1.200       2.065
1.000       1.000       10.93       0.000       0.000     Ug5_2_8_L_0
   8 D   4.167      3.1423E-04   3.871       16.71       14.00       16.71           V-C  2.6477E+04  -1.400       4.129
1.000       1.000       20.84       0.000       0.000     Ug5_2_8_L_0
   9 D   4.712      2.9891E-04   5.806       17.36       16.00       17.36           V-C  2.6477E+04  -1.600       6.194
1.000       1.000       23.56       0.000       0.000     Ug5_2_8_L_0
  10 D   5.248      2.8379E-04   7.742       17.98       18.00       17.98           V-C  2.6477E+04  -1.800       8.258
1.000       1.000       26.24       0.000       0.000     Ug5_2_8_L_0
  11 D   5.782      2.6891E-04   9.677       18.58       20.00       18.58           V-C  2.6477E+04  -2.000       10.32
1.000       1.000       28.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.313      2.5432E-04   11.61       19.18       22.00       19.18           V-C  2.6477E+04  -2.200       12.39
1.000       1.000       31.56       0.000       0.000     Ug5_2_8_L_0
  13 D   6.844      2.4006E-04   13.55       19.77       24.00       19.77           V-C  2.6477E+04  -2.400       14.45
1.000       1.000       34.22       0.000       0.000     Ug5_2_8_L_0
  14 D   7.376      2.2617E-04   15.48       20.36       26.00       20.36           V-C  2.6477E+04  -2.600       16.52
1.000       1.000       36.88       0.000       0.000     Ug5_2_8_L_0
  15 D   7.908      2.1268E-04   17.42       20.96       28.00       20.96           V-C  2.6477E+04  -2.800       18.58
1.000       1.000       39.54       0.000       0.000     Ug5_2_8_L_0
  16 D   8.442      1.9962E-04   19.35       21.57       30.00       21.57           V-C  2.6477E+04  -3.000       20.65
1.000       1.000       42.21       0.000       0.000     Ug5_2_8_L_0
  17 D   8.979      1.8702E-04   21.29       22.18       32.00       22.18           V-C  2.6477E+04  -3.200       22.71
1.000       1.000       44.89       0.000       0.000     Ug5_2_8_L_0
  18 D   9.517      1.7491E-04   23.23       22.81       34.00       22.81           V-C  2.6477E+04  -3.400       24.77
1.000       1.000       47.59       0.000       0.000     Ug5_2_8_L_0
  19 D   10.06      1.6330E-04   25.16       23.45       36.00       23.45           V-C  2.6477E+04  -3.600       26.84
1.000       1.000       50.29       0.000       0.000     Ug5_2_8_L_0
  20 D   10.60      1.5223E-04   27.10       24.11       38.00       24.11           V-C  2.6477E+04  -3.800       28.90
1.000       1.000       53.01       0.000       0.000     Ug5_2_8_L_0
  21 D   11.15      1.4171E-04   29.03       24.78       40.00       24.78           V-C  2.6477E+04  -4.000       30.97
1.000       1.000       55.74       0.000       0.000     Ug5_2_8_L_0
  22 D   11.70      1.3174E-04   30.97       25.46       42.00       25.46           V-C  2.6477E+04  -4.200       33.03
1.000       1.000       58.49       0.000       0.000     Ug5_2_8_L_0
  23 D   12.25      1.2235E-04   32.90       26.16       44.00       26.16           V-C  2.6477E+04  -4.400       35.10
1.000       1.000       61.25       0.000       0.000     Ug5_2_8_L_0
  24 D   12.81      1.1354E-04   34.84       26.87       46.00       26.87           V-C  2.6477E+04  -4.600       37.16
1.000       1.000       64.03       0.000       0.000     Ug5_2_8_L_0
  25 D   13.37      1.0531E-04   36.77       27.60       48.00       27.60           V-C  2.6477E+04  -4.800       39.23
1.000       1.000       66.83       0.000       0.000     Ug5_2_8_L_0
  26 D   13.93      9.7671E-05   38.71       28.35       50.00       28.35           V-C  2.6477E+04  -5.000       41.29
1.000       1.000       69.64       0.000       0.000     Ug5_2_8_L_0
  27 D   14.49      9.0607E-05   40.65       29.11       52.00       29.11           V-C  2.6477E+04  -5.200       43.35
1.000       1.000       72.47       0.000       0.000     Ug5_2_8_L_0
  28 D   15.06      8.4115E-05   42.58       29.89       54.00       29.89           V-C  2.6477E+04  -5.400       45.42
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1.000	1.000	75.31	0.000	0.000	Ug5_2_8_L_0						
29 D	15.63	7.8181E-05	44.52	30.68	56.00	30.68	V-C	2.6477E+04	-5.600	47.48	
1.000	1.000	78.17	0.000	0.000	Ug5_2_8_L_0						
30 D	16.21	7.2788E-05	46.45	31.49	58.00	31.49	V-C	2.6477E+04	-5.800	49.55	
1.000	1.000	81.04	0.000	0.000	Ug5_2_8_L_0						
31 D	16.79	6.7916E-05	48.39	32.32	60.00	32.32	V-C	2.6477E+04	-6.000	51.61	
1.000	1.000	83.93	0.000	0.000	Ug5_2_8_L_0						
32 D	17.37	6.3541E-05	50.32	33.15	62.00	33.15	V-C	2.6477E+04	-6.200	53.68	
1.000	1.000	86.83	0.000	0.000	Ug5_2_8_L_0						
33 D	17.95	5.9638E-05	52.26	34.00	64.00	34.00	V-C	2.6477E+04	-6.400	55.74	
1.000	1.000	89.75	0.000	0.000	Ug5_2_8_L_0						
34 D	18.53	5.6179E-05	54.19	34.87	66.00	34.87	V-C	2.6477E+04	-6.600	57.81	
1.000	1.000	92.67	0.000	0.000	Ug5_2_8_L_0						
35 D	19.12	5.3137E-05	56.13	35.74	68.00	35.74	V-C	2.6477E+04	-6.800	59.87	
1.000	1.000	95.61	0.000	0.000	Ug5_2_8_L_0						
36 D	19.71	5.0482E-05	58.06	36.63	70.00	36.63	V-C	2.6477E+04	-7.000	61.94	
1.000	1.000	98.57	0.000	0.000	Ug5_2_8_L_0						
37 D	20.31	4.8188E-05	60.00	37.53	72.00	37.53	V-C	2.6477E+04	-7.200	64.00	
1.000	1.000	101.5	0.000	0.000	Ug5_2_8_L_0						
38 D	20.89	4.6225E-05	61.94	38.38	74.00	38.46	UL-RL	7.9432E+04	-7.400	66.06	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
39 D	21.47	4.4568E-05	63.87	39.22	76.00	39.41	UL-RL	7.9432E+04	-7.600	68.13	
1.000	1.000	107.4	0.000	0.000	Ug5_2_8_L_0						
40 D	22.06	4.3189E-05	65.81	40.09	78.00	40.37	UL-RL	7.9432E+04	-7.800	70.19	
1.000	1.000	110.3	0.000	0.000	Ug5_2_8_L_0						
41 D	22.65	4.2063E-05	67.74	40.98	80.00	41.32	UL-RL	7.9432E+04	-8.000	72.26	
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0						
42 D	23.24	4.1168E-05	69.68	41.89	82.00	42.27	UL-RL	7.9432E+04	-8.200	74.32	
1.000	1.000	116.2	0.000	0.000	Ug5_2_8_L_0						
43 D	23.84	4.0481E-05	71.61	42.81	84.00	43.23	UL-RL	7.9432E+04	-8.400	76.39	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
44 D	24.44	3.9981E-05	73.55	43.74	86.00	44.19	UL-RL	7.9432E+04	-8.600	78.45	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
45 D	25.04	3.9651E-05	75.48	44.69	88.00	45.15	UL-RL	7.9432E+04	-8.800	80.52	
1.000	1.000	125.2	0.000	0.000	Ug5_2_8_L_0						
46 D	25.65	3.9473E-05	77.42	45.65	90.00	46.11	UL-RL	7.9432E+04	-9.000	82.58	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
47 D	26.25	3.9432E-05	79.35	46.62	92.00	47.08	UL-RL	7.9432E+04	-9.200	84.65	
1.000	1.000	131.3	0.000	0.000	Ug5_2_8_L_0						
48 D	26.86	3.9515E-05	81.29	47.60	94.00	48.04	UL-RL	7.9432E+04	-9.400	86.71	
1.000	1.000	134.3	0.000	0.000	Ug5_2_8_L_0						
49 D	27.47	3.9709E-05	83.23	48.58	96.00	49.01	UL-RL	7.9432E+04	-9.600	88.77	
1.000	1.000	137.4	0.000	0.000	Ug5_2_8_L_0						
50 D	28.08	4.0003E-05	85.16	49.57	98.00	49.98	UL-RL	7.9432E+04	-9.800	90.84	
1.000	1.000	140.4	0.000	0.000	Ug5_2_8_L_0						
51 D	28.69	4.0389E-05	87.10	50.56	100.00	50.95	UL-RL	7.9432E+04	-10.00	92.90	
1.000	1.000	143.5	0.000	0.000	Ug5_2_8_L_0						
52 D	29.31	4.0857E-05	89.03	51.56	102.0	51.93	UL-RL	7.9432E+04	-10.20	94.97	
1.000	1.000	146.5	0.000	0.000	Ug5_2_8_L_0						
53 D	29.92	4.1400E-05	90.97	52.57	104.0	52.91	UL-RL	7.9432E+04	-10.40	97.03	
1.000	1.000	149.6	0.000	0.000	Ug5_2_8_L_0						
54 D	30.53	4.2011E-05	92.90	53.57	106.0	53.89	UL-RL	7.9432E+04	-10.60	99.10	
1.000	1.000	152.7	0.000	0.000	Ug5_2_8_L_0						
55 D	31.15	4.2683E-05	94.84	54.58	108.0	54.87	UL-RL	7.9432E+04	-10.80	101.2	
1.000	1.000	155.7	0.000	0.000	Ug5_2_8_L_0						
56 D	31.76	4.3410E-05	96.77	55.59	110.0	55.85	UL-RL	7.9432E+04	-11.00	103.2	
1.000	1.000	158.8	0.000	0.000	Ug5_2_8_L_0						
57 D	32.38	4.4186E-05	98.71	56.60	112.0	56.84	UL-RL	7.9432E+04	-11.20	105.3	
1.000	1.000	161.9	0.000	0.000	Ug5_2_8_L_0						
58 D	32.99	4.5004E-05	100.6	57.62	114.0	57.82	UL-RL	7.9432E+04	-11.40	107.4	
1.000	1.000	165.0	0.000	0.000	Ug5_2_8_L_0						
59 D	33.61	4.5857E-05	102.6	58.63	116.0	58.81	UL-RL	7.9432E+04	-11.60	109.4	
1.000	1.000	168.1	0.000	0.000	Ug5_2_8_L_0						
60 D	34.23	4.6737E-05	104.5	59.65	118.0	59.81	UL-RL	7.9432E+04	-11.80	111.5	
1.000	1.000	171.1	0.000	0.000	Ug5_2_8_L_0						
61 D	34.84	4.7635E-05	106.5	60.66	120.0	60.80	UL-RL	7.9432E+04	-12.00	113.5	
1.000	1.000	174.2	0.000	0.000	Ug5_2_8_L_0						
62 D	35.29	4.8540E-05	108.2	60.83	121.8	61.54	UL-RL	5.7643E+04	-12.20	115.6	
1.000	1.000	176.4	0.000	0.000	Ug6_741_743_L_0						
63 D	35.89	4.9442E-05	109.9	61.75	123.6	62.42	UL-RL	5.7643E+04	-12.40	117.7	
1.000	1.000	179.4	0.000	0.000	Ug6_741_743_L_0						
64 D	36.48	5.0330E-05	111.7	62.67	125.4	63.30	UL-RL	5.7643E+04	-12.60	119.7	
1.000	1.000	182.4	0.000	0.000	Ug6_741_743_L_0						
65 D	37.08	5.1197E-05	113.4	63.59	127.2	64.19	UL-RL	5.7643E+04	-12.80	121.8	
1.000	1.000	185.4	0.000	0.000	Ug6_741_743_L_0						
66 D	37.67	5.2039E-05	115.1	64.50	129.0	65.07	UL-RL	5.7643E+04	-13.00	123.9	
1.000	1.000	188.4	0.000	0.000	Ug6_741_743_L_0						
67 D	38.27	5.2851E-05	116.9	65.42	130.8	65.95	UL-RL	5.7643E+04	-13.20	125.9	
1.000	1.000	191.4	0.000	0.000	Ug6_741_743_L_0						
68 D	38.87	5.3631E-05	118.6	66.33	132.6	66.84	UL-RL	5.7643E+04	-13.40	128.0	
1.000	1.000	194.3	0.000	0.000	Ug6_741_743_L_0						

69 D	39.46	5.4379E-05	120.3	67.25	134.4	67.73	UL-RL	5.7643E+04	-13.60	130.1	
1.000	1.000	197.3	0.000	0.000	Ug6_741_743_L_0						
70 D	40.06	5.5096E-05	122.1	68.16	136.2	68.61	UL-RL	5.7643E+04	-13.80	132.1	
1.000	1.000	200.3	0.000	0.000	Ug6_741_743_L_0						
71 D	40.65	5.5782E-05	123.8	69.07	138.0	69.50	UL-RL	5.7643E+04	-14.00	134.2	
1.000	1.000	203.3	0.000	0.000	Ug6_741_743_L_0						
72 D	41.25	5.6440E-05	125.5	69.98	139.8	70.38	UL-RL	5.7643E+04	-14.20	136.3	
1.000	1.000	206.2	0.000	0.000	Ug6_741_743_L_0						
73 D	41.84	5.7074E-05	127.3	70.89	141.6	71.27	UL-RL	5.7643E+04	-14.40	138.3	
1.000	1.000	209.2	0.000	0.000	Ug6_741_743_L_0						
74 D	42.44	5.7686E-05	129.0	71.79	143.4	72.16	UL-RL	5.7643E+04	-14.60	140.4	
1.000	1.000	212.2	0.000	0.000	Ug6_741_743_L_0						
75 D	43.03	5.8280E-05	130.7	72.70	145.2	73.05	UL-RL	5.7643E+04	-14.80	142.5	
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0						
76 D	43.62	5.8860E-05	132.5	73.61	147.0	73.94	UL-RL	5.7643E+04	-15.00	144.5	
1.000	1.000	218.1	0.000	0.000	Ug6_741_743_L_0						
77 D	44.22	5.9430E-05	134.2	74.51	148.8	74.82	UL-RL	5.7643E+04	-15.20	146.6	
1.000	1.000	221.1	0.000	0.000	Ug6_741_743_L_0						
78 D	44.81	5.9992E-05	136.0	75.42	150.6	75.71	UL-RL	5.7643E+04	-15.40	148.6	
1.000	1.000	224.1	0.000	0.000	Ug6_741_743_L_0						
79 D	45.41	6.0549E-05	137.7	76.32	152.4	76.60	UL-RL	5.7643E+04	-15.60	150.7	
1.000	1.000	227.0	0.000	0.000	Ug6_741_743_L_0						
80 D	46.00	6.1105E-05	139.4	77.23	154.2	77.49	UL-RL	5.7643E+04	-15.80	152.8	
1.000	1.000	230.0	0.000	0.000	Ug6_741_743_L_0						
81 D	23.30	6.1659E-05	141.2	78.14	156.0	78.38	UL-RL	5.7643E+04	-16.00	154.8	
1.000	1.000	233.0	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-9.00472E-11 9.00472E-11-9.03566E-12 1.32494E-11
    2 0.51948    -0.51948    -1.99014E-11 0.10390
    3  1.5618     -1.5618    -0.10390     0.41626
    4  3.1313     -3.1313    -0.41626      1.0425
    5  5.2313     -5.2313     -1.0425      2.0888
    6  7.8629     -7.8629     -2.0888      3.6614
    7  8.8414     -8.8414     -3.6614      5.4297
    8  8.3782     -8.3782     -5.4297      7.1053
    9  7.9147     -7.9147     -7.1053      8.6882
   10  7.4404     -7.4404     -8.6882      10.176
   11  6.9702     -6.9702     -10.176      11.570
   12  6.5027     -6.5027     -11.570      12.871
   13  6.0263     -6.0263     -12.871      14.076
   14  5.5493     -5.5493     -14.076      15.186
   15  5.0691     -5.0691     -15.186      16.200
   16  4.5828     -4.5828     -16.200      17.116
   17  4.0799     -4.0799     -17.116      17.932
   18  3.5651     -3.5651     -17.932      18.645
   19  3.0352     -3.0352     -18.645      19.252
   20  2.4805     -2.4805     -19.252      19.749
   21  1.9041     -1.9041     -19.749      20.129
   22  1.3026     -1.3026     -20.129      20.390
   23 0.66685    -0.66685     -20.390      20.523
   24-9.08482E-04 9.08482E-04 -20.523      20.523
   25-0.70427     0.70427     -20.523      20.382
   26 -1.4468      1.4468     -20.382      20.093
   27 -2.2366      2.2366     -20.093      19.646
   28 -3.0326      3.0326     -19.646      19.039
   29 -3.6681      3.6681     -19.039      18.305
   30 -4.1593      4.1593     -18.305      17.474
   31 -4.5219      4.5219     -17.474      16.569
   32 -4.7710      4.7710     -16.569      15.615
   33 -4.9208      4.9208     -15.615      14.631
   34 -4.9847      4.9847     -14.631      13.634
   35 -4.9752      4.9752     -13.634      12.639
   36 -4.9040      4.9040     -12.639      11.658
   37 -4.7871      4.7871     -11.658      10.701
   38 -4.6125      4.6125     -10.701      9.7781
   39 -4.3926      4.3926     -9.7781      8.8996
   40 -4.1384      4.1384     -8.8996      8.0719
   41 -3.8599      3.8599     -8.0719      7.2999
   42 -3.5663      3.5663     -7.2999      6.5866
   43 -3.2656      3.2656     -6.5866      5.9335
   44 -2.9653      2.9653     -5.9335      5.3404
   45 -2.6717      2.6717     -5.3404      4.8061
   46 -2.3907      2.3907     -4.8061      4.3280
   47 -2.1274      2.1274     -4.3280      3.9025
   48 -1.8863      1.8863     -3.9025      3.5252
   49 -1.6716      1.6716     -3.5252      3.1909
   50 -1.4867      1.4867     -3.1909      2.8936
   51 -1.3349      1.3349     -2.8936      2.6266
   52 -1.2188      1.2188     -2.6266      2.3829
   53 -1.1409      1.1409     -2.3829      2.1547
   54 -1.1035      1.1035     -2.1547      1.9340
   55 -1.1083      1.1083     -1.9340      1.7123
   56 -1.1569      1.1569     -1.7123      1.4809
   57 -1.2509      1.2509     -1.4809      1.2308
   58 -1.3914      1.3914     -1.2308     0.95248
   59 -1.5791      1.5791    -0.95248     0.63665
```

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   60 -1.8149      1.8149    -0.63665     0.27367
   61 -2.0991      2.0991    -0.27367    -0.14615
   62 -1.6735      1.6735     0.14615    -0.48085
   63 -1.2857      1.2857     0.48085    -0.73798
   64-0.93531     0.93531     0.73798    -0.92504
   65-0.62190     0.62190     0.92504     -1.0494
   66-0.34481     0.34481      1.0494     -1.1184
   67-0.10335     0.10335      1.1184     -1.1391
   68 0.10326    -0.10326      1.1391     -1.1184
   69 0.27578    -0.27578      1.1184     -1.0633
   70 0.41497    -0.41497      1.0633    -0.98026
   71 0.52156    -0.52156     0.98026    -0.87594
   72 0.59622    -0.59622     0.87594    -0.75670
   73 0.63954    -0.63954     0.75670    -0.62879
   74 0.65203    -0.65203     0.62879    -0.49839
   75 0.63413    -0.63413     0.49839    -0.37156
   76 0.58618    -0.58618     0.37156    -0.25432
   77 0.50844    -0.50844     0.25432    -0.15263
   78 0.40108    -0.40108     0.15263    -7.24185E-02
   79 0.26421    -0.26421     7.24185E-02-1.95772E-02
   80 9.78810E-02-9.78810E-02 1.95772E-02-1.72751E-13

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1055E+06 RIMNOR=0.1744E+05
           RENORM= 393.6     REMNOR=0.3148E-21 RATIO =0.6108E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.29     RMMAX = 20.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1055E+06 RDR   =0.1744E+05
           RATIOT=0.6108E-01 RATIOR= 0.000
           MAX UN= 5.713     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3441E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1055E+06 RIMNOR=0.1744E+05
           RENORM= 108.7     REMNOR=0.1951E-20 RATIO =0.3210E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.29     RMMAX = 20.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1055E+06 RDR   =0.1744E+05
           RATIOT=0.3210E-01 RATIOR= 0.000
           MAX UN= 2.855     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.2491E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1055E+06 RIMNOR=0.1744E+05
           RENORM= 46.84     REMNOR=0.1336E-18 RATIO =0.2107E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.29     RMMAX = 20.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1055E+06 RDR   =0.1744E+05
           RATIOT=0.2107E-01 RATIOR= 0.000
           MAX UN= 3.631     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.9676E-09 IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1055E+06 RIMNOR=0.1744E+05
           RENORM= 1.378     REMNOR=0.1383E-19 RATIO =0.3613E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.29     RMMAX = 20.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1055E+06 RDR   =0.1744E+05
           RATIOT=0.3613E-02 RATIOR= 0.000
           MAX UN=0.7885     IEQ=    83 NODE     42 DOF   1  Y-DISPL.F
           MIN UN=-.1399E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1055E+06 RIMNOR=0.1744E+05
           RENORM=0.6220E-02 REMNOR=0.2397E-19 RATIO =0.2428E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.29     RMMAX = 20.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1055E+06 RDR   =0.1744E+05
           RATIOT=0.2428E-03 RATIOR= 0.000
           MAX UN=0.7588E-01 IEQ=    87 NODE     44 DOF   1  Y-DISPL.F
           MIN UN=-.7053E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1055E+06 RIMNOR=0.1744E+05
            RENORM=0.4595E-17 REMNOR=0.3052E-19 RATIO =0.6599E-11 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 45.29      RMMAX = 20.52
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
            RDT   =0.1055E+06 RDR   =0.1744E+05
            RATIOT=0.6599E-11 RATIOR= 0.000
            MAX UN=0.6149E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
            MIN UN=-.1241E-08 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.6649117E-03  -4.1038162E-04
    2   2.5828354E-03  -4.1038162E-04
    3   2.5007596E-03  -4.1037436E-04
    4   2.4186876E-03  -4.1033800E-04
    5   2.3366287E-03  -4.1023604E-04
    6   2.2546010E-03  -4.1001718E-04
    7   2.1726341E-03  -4.0961526E-04
    8   2.0907725E-03  -4.0894926E-04
    9   2.0090784E-03  -4.0792315E-04
   10   1.9276346E-03  -4.0642573E-04
   11   1.8465479E-03  -4.0433086E-04
   12   1.7659515E-03  -4.0149749E-04
   13   1.6860065E-03  -3.9780002E-04
   14   1.6068944E-03  -3.9315887E-04
   15   1.5288081E-03  -3.8754056E-04
   16   1.4519425E-03  -3.8095757E-04
   17   1.3764851E-03  -3.7346837E-04
   18   1.3026092E-03  -3.6516318E-04
   19   1.2304679E-03  -3.5613765E-04
   20   1.1601962E-03  -3.4648121E-04
   21   1.0919122E-03  -3.3627748E-04
   22   1.0257168E-03  -3.2560425E-04
   23   9.6169698E-04  -3.1453397E-04
   24   8.9992524E-04  -3.0313391E-04
   25   8.4046124E-04  -2.9146649E-04
   26   7.8335262E-04  -2.7958950E-04
   27   7.2863612E-04  -2.6755644E-04
   28   6.7633743E-04  -2.5541672E-04
   29   6.2647349E-04  -2.4321624E-04
   30   5.7905215E-04  -2.3099748E-04
   31   5.3407308E-04  -2.1879990E-04
   32   4.9152853E-04  -2.0666033E-04
   33   4.5140302E-04  -1.9461296E-04
   34   4.1367505E-04  -1.8269011E-04
   35   3.7831664E-04  -1.7092227E-04
   36   3.4529388E-04  -1.5933842E-04
   37   3.1456731E-04  -1.4796639E-04
   38   2.8609157E-04  -1.3683300E-04
   39   2.5981644E-04  -1.2596465E-04
   40   2.3568630E-04  -1.1538736E-04
   41   2.1364036E-04  -1.0512715E-04
   42   1.9361255E-04  -9.5210299E-05
   43   1.7553156E-04  -8.5663551E-05
   44   1.5932062E-04  -7.6514430E-05
   45   1.4489745E-04  -6.7791514E-05
   46   1.3217397E-04  -5.9520503E-05
   47   1.2105787E-04  -5.1720096E-05
   48   1.1145379E-04  -4.4401819E-05
   49   1.0326464E-04  -3.7571167E-05
   50   9.6392809E-05  -3.1228659E-05
   51   9.0740942E-05  -2.5370151E-05
   52   8.6212945E-05  -1.9987074E-05
   53   8.2715239E-05  -1.5067829E-05
   54   8.0156098E-05  -1.0597049E-05
   55   7.8447603E-05  -6.5585140E-06
   56   7.7505041E-05  -2.9347583E-06
   57   7.7247232E-05   2.9198597E-07
   58   7.7596529E-05   3.1391350E-06
   59   7.8478679E-05   5.6231741E-06
   60   7.9822594E-05   7.7591463E-06
   61   8.1560010E-05   9.5602064E-06
   62   8.3625075E-05   1.1037238E-05
   63   8.5954973E-05   1.2215290E-05
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64	8.8493876E-05	1.3133626E-05
65	9.1193566E-05	1.3829103E-05
66	9.4012950E-05	1.4336068E-05
67	9.6917544E-05	1.4686293E-05
68	9.9878960E-05	1.4908918E-05
69	1.0287437E-04	1.5030417E-05
70	1.0588597E-04	1.5074584E-05
71	1.0890045E-04	1.5062516E-05
72	1.1190846E-04	1.5012618E-05
73	1.1490403E-04	1.4940608E-05
74	1.1788409E-04	1.4859522E-05
75	1.2084792E-04	1.4779731E-05
76	1.2379659E-04	1.4708947E-05
77	1.2673244E-04	1.4652239E-05
78	1.2965858E-04	1.4612038E-05
79	1.3257834E-04	1.4588148E-05
80	1.3549474E-04	1.4577752E-05
81	1.3841013E-04	1.4575411E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.6649E-03   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5101     -2.5828E-03   2.144      0.6839       2.144       1.774          ACTIVE   0.000     -0.2000       1.867
1.000       1.000       2.551       0.000       0.000     Ug5_2_8_L_0
   3 D   1.024     -2.5008E-03   4.340       1.385       4.340       3.436          ACTIVE   0.000     -0.4000       3.733
1.000       1.000       5.118       0.000       0.000     Ug5_2_8_L_0
   4 D   1.541     -2.4187E-03   6.605       2.107       6.605       4.933          ACTIVE   0.000     -0.6000       5.600
1.000       1.000       7.707       0.000       0.000     Ug5_2_8_L_0
   5 D   2.062     -2.3366E-03   8.920       2.845       8.920       6.275          ACTIVE   0.000     -0.8000       7.467
1.000       1.000       10.31       0.000       0.000     Ug5_2_8_L_0
   6 D   2.585     -2.2546E-03   11.26       3.591       11.26       7.498          ACTIVE   0.000      -1.000       9.333
1.000       1.000       12.92       0.000       0.000     Ug5_2_8_L_0
   7 D   3.107     -2.1726E-03   13.59       4.336       13.59       8.636          ACTIVE   0.000      -1.200       11.20
1.000       1.000       15.54       0.000       0.000     Ug5_2_8_L_0
   8 D   3.639     -2.0908E-03   16.07       5.126       16.07       9.720          ACTIVE   0.000      -1.400       13.07
1.000       1.000       18.19       0.000       0.000     Ug5_2_8_L_0
   9 D   4.173     -2.0091E-03   18.60       5.932       18.60       10.77          ACTIVE   0.000      -1.600       14.93
1.000       1.000       20.87       0.000       0.000     Ug5_2_8_L_0
  10 D   4.690     -1.9276E-03   20.84       6.649       20.84       11.79          ACTIVE   0.000      -1.800       16.80
1.000       1.000       23.45       0.000       0.000     Ug5_2_8_L_0
  11 D   5.218     -1.8465E-03   23.26       7.421       23.26       12.80          ACTIVE   0.000      -2.000       18.67
1.000       1.000       26.09       0.000       0.000     Ug5_2_8_L_0
  12 D   5.742     -1.7660E-03   25.64       8.178       25.64       13.80          ACTIVE   0.000      -2.200       20.53
1.000       1.000       28.71       0.000       0.000     Ug5_2_8_L_0
  13 D   6.255     -1.6860E-03   27.82       8.875       27.82       14.79          ACTIVE   0.000      -2.400       22.40
1.000       1.000       31.28       0.000       0.000     Ug5_2_8_L_0
  14 D   6.777     -1.6069E-03   30.15       9.617       30.15       15.78          ACTIVE   0.000      -2.600       24.27
1.000       1.000       33.88       0.000       0.000     Ug5_2_8_L_0
  15 D   7.297     -1.5288E-03   32.45       10.35       32.45       16.77          ACTIVE   0.000      -2.800       26.13
1.000       1.000       36.48       0.000       0.000     Ug5_2_8_L_0
  16 D   7.816     -1.4519E-03   34.73       11.08       34.73       17.75          ACTIVE   0.000      -3.000       28.00
1.000       1.000       39.08       0.000       0.000     Ug5_2_8_L_0
  17 D   8.326     -1.3765E-03   36.87       11.76       36.87       18.73          ACTIVE   0.000      -3.200       29.87
1.000       1.000       41.63       0.000       0.000     Ug5_2_8_L_0
  18 D   8.843     -1.3026E-03   39.13       12.48       39.13       19.71          ACTIVE   0.000      -3.400       31.73
1.000       1.000       44.22       0.000       0.000     Ug5_2_8_L_0
  19 D   9.360     -1.2305E-03   41.37       13.20       41.37       20.69          ACTIVE   0.000      -3.600       33.60
1.000       1.000       46.80       0.000       0.000     Ug5_2_8_L_0
  20 D   9.869     -1.1602E-03   43.51       13.88       43.51       21.67          ACTIVE   0.000      -3.800       35.47
1.000       1.000       49.35       0.000       0.000     Ug5_2_8_L_0
  21 D   10.38     -1.0919E-03   45.74       14.59       45.74       22.66          ACTIVE   0.000      -4.000       37.33
1.000       1.000       51.92       0.000       0.000     Ug5_2_8_L_0
  22 D   10.90     -1.0257E-03   47.96       15.30       47.96       23.64          ACTIVE   0.000      -4.200       39.20
1.000       1.000       54.50       0.000       0.000     Ug5_2_8_L_0
  23 D   11.41     -9.6170E-04   50.09       15.98       50.09       24.62          ACTIVE   0.000      -4.400       41.07
1.000       1.000       57.04       0.000       0.000     Ug5_2_8_L_0
  24 D   11.92     -8.9993E-04   52.30       16.68       52.30       25.60          ACTIVE   0.000      -4.600       42.93
1.000       1.000       59.62       0.000       0.000     Ug5_2_8_L_0
  25 D   12.44     -8.4046E-04   54.50       17.39       54.50       26.59          ACTIVE   0.000      -4.800       44.80
1.000       1.000       62.19       0.000       0.000     Ug5_2_8_L_0
  26 D   12.95     -7.8335E-04   56.70       18.09       56.70       27.57          ACTIVE   0.000      -5.000       46.67
1.000       1.000       64.75       0.000       0.000     Ug5_2_8_L_0
  27 D   13.46     -7.2864E-04   58.82       18.76       58.82       28.55          ACTIVE   0.000      -5.200       48.53
1.000       1.000       67.30       0.000       0.000     Ug5_2_8_L_0
  28 D   13.97     -6.7634E-04   61.02       19.46       61.02       29.54          ACTIVE   0.000      -5.400       50.40
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1.000	1.000	69.86	0.000	0.000	Ug5_2_8_L_0						
29 D	14.49	-6.2647E-04	63.20	20.16	63.20	30.53	ACTIVE	0.000	-5.600	52.27	
1.000	1.000	72.43	0.000	0.000	Ug5_2_8_L_0						
30 D	14.99	-5.7905E-04	65.32	20.84	65.32	31.52	ACTIVE	0.000	-5.800	54.13	
1.000	1.000	74.97	0.000	0.000	Ug5_2_8_L_0						
31 D	15.51	-5.3407E-04	67.51	21.54	67.51	32.50	ACTIVE	0.000	-6.000	56.00	
1.000	1.000	77.54	0.000	0.000	Ug5_2_8_L_0						
32 D	16.02	-4.9153E-04	69.69	22.23	69.69	33.49	ACTIVE	0.000	-6.200	57.87	
1.000	1.000	80.10	0.000	0.000	Ug5_2_8_L_0						
33 D	16.53	-4.5140E-04	71.81	22.91	71.81	34.49	ACTIVE	0.000	-6.400	59.73	
1.000	1.000	82.64	0.000	0.000	Ug5_2_8_L_0						
34 D	17.04	-4.1368E-04	73.99	23.60	73.99	35.48	ACTIVE	0.000	-6.600	61.60	
1.000	1.000	85.20	0.000	0.000	Ug5_2_8_L_0						
35 D	17.55	-3.7832E-04	76.16	24.30	76.16	36.47	ACTIVE	0.000	-6.800	63.47	
1.000	1.000	87.76	0.000	0.000	Ug5_2_8_L_0						
36 D	18.06	-3.4529E-04	78.33	24.99	78.33	37.46	ACTIVE	0.000	-7.000	65.33	
1.000	1.000	90.32	0.000	0.000	Ug5_2_8_L_0						
37 D	18.57	-3.1457E-04	80.45	25.66	80.45	38.46	ACTIVE	0.000	-7.200	67.20	
1.000	1.000	92.86	0.000	0.000	Ug5_2_8_L_0						
38 D	19.08	-2.8609E-04	82.62	26.36	82.62	39.45	ACTIVE	0.000	-7.400	69.07	
1.000	1.000	95.42	0.000	0.000	Ug5_2_8_L_0						
39 D	19.60	-2.5982E-04	84.79	27.05	84.79	40.45	ACTIVE	0.000	-7.600	70.93	
1.000	1.000	97.98	0.000	0.000	Ug5_2_8_L_0						
40 D	20.10	-2.3569E-04	86.91	27.72	86.91	41.45	ACTIVE	0.000	-7.800	72.80	
1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0						
41 D	20.62	-2.1364E-04	89.07	28.41	89.07	42.45	ACTIVE	0.000	-8.000	74.67	
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
42 D	21.13	-1.9361E-04	91.24	29.11	91.24	43.45	ACTIVE	0.000	-8.200	76.53	
1.000	1.000	105.6	0.000	0.000	Ug5_2_8_L_0						
43 D	21.64	-1.7553E-04	93.36	29.78	93.36	44.45	ACTIVE	0.000	-8.400	78.40	
1.000	1.000	108.2	0.000	0.000	Ug5_2_8_L_0						
44 D	22.15	-1.5932E-04	95.52	30.47	95.52	45.45	ACTIVE	0.000	-8.600	80.27	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
45 D	22.94	-1.4490E-04	97.68	32.55	97.68	46.45	UL-RL	9.9584E+04	-8.800	82.13	
1.000	1.000	114.7	0.000	0.000	Ug5_2_8_L_0						
46 D	23.77	-1.3217E-04	99.84	34.86	99.84	47.45	UL-RL	9.9584E+04	-9.000	84.00	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
47 D	24.57	-1.2106E-04	102.0	37.00	102.0	48.46	UL-RL	9.9584E+04	-9.200	85.87	
1.000	1.000	122.9	0.000	0.000	Ug5_2_8_L_0						
48 D	25.35	-1.1145E-04	104.1	39.00	104.1	49.46	UL-RL	9.9584E+04	-9.400	87.73	
1.000	1.000	126.7	0.000	0.000	Ug5_2_8_L_0						
49 D	26.09	-1.0326E-04	106.3	40.85	106.3	50.47	UL-RL	9.9584E+04	-9.600	89.60	
1.000	1.000	130.4	0.000	0.000	Ug5_2_8_L_0						
50 D	26.81	-9.6393E-05	108.4	42.56	108.4	51.47	UL-RL	9.9584E+04	-9.800	91.47	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
51 D	27.50	-9.0741E-05	110.6	44.16	110.6	52.48	UL-RL	9.9584E+04	-10.00	93.33	
1.000	1.000	137.5	0.000	0.000	Ug5_2_8_L_0						
52 D	28.17	-8.6213E-05	112.7	45.64	112.7	53.49	UL-RL	9.9584E+04	-10.20	95.20	
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0						
53 D	28.82	-8.2715E-05	114.8	47.02	114.8	54.50	UL-RL	9.9584E+04	-10.40	97.07	
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0						
54 D	29.45	-8.0156E-05	117.0	48.30	117.0	55.51	UL-RL	9.9584E+04	-10.60	98.93	
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
55 D	30.06	-7.8448E-05	119.1	49.50	119.1	56.52	UL-RL	9.9584E+04	-10.80	100.8	
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0						
56 D	30.66	-7.7505E-05	121.3	50.62	121.3	57.53	UL-RL	9.9584E+04	-11.00	102.7	
1.000	1.000	153.3	0.000	0.000	Ug5_2_8_L_0						
57 D	31.24	-7.7247E-05	123.4	51.67	123.4	58.54	UL-RL	9.9584E+04	-11.20	104.5	
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0						
58 D	31.81	-7.7597E-05	125.6	52.66	125.6	59.55	UL-RL	9.9584E+04	-11.40	106.4	
1.000	1.000	159.1	0.000	0.000	Ug5_2_8_L_0						
59 D	32.37	-7.8479E-05	127.7	53.60	127.7	60.56	UL-RL	9.9584E+04	-11.60	108.3	
1.000	1.000	161.9	0.000	0.000	Ug5_2_8_L_0						
60 D	32.93	-7.9823E-05	129.8	54.49	129.8	61.58	UL-RL	9.9584E+04	-11.80	110.1	
1.000	1.000	164.6	0.000	0.000	Ug5_2_8_L_0						
61 D	33.47	-8.1560E-05	132.0	55.35	132.0	62.59	UL-RL	9.9584E+04	-12.00	112.0	
1.000	1.000	167.3	0.000	0.000	Ug5_2_8_L_0						
62 D	34.95	-8.3625E-05	133.9	60.87	133.9	63.50	UL-RL	4.9402E+04	-12.20	113.9	
1.000	1.000	174.7	0.000	0.000	Ug6_741_743_L_0						
63 D	35.49	-8.5955E-05	135.9	61.70	135.9	64.42	UL-RL	4.9402E+04	-12.40	115.7	
1.000	1.000	177.4	0.000	0.000	Ug6_741_743_L_0						
64 D	36.02	-8.8494E-05	137.8	62.51	137.8	65.33	UL-RL	4.9402E+04	-12.60	117.6	
1.000	1.000	180.1	0.000	0.000	Ug6_741_743_L_0						
65 D	36.56	-9.1194E-05	139.7	63.32	139.7	66.25	UL-RL	4.9402E+04	-12.80	119.5	
1.000	1.000	182.8	0.000	0.000	Ug6_741_743_L_0						
66 D	37.09	-9.4013E-05	141.6	64.12	141.6	67.17	UL-RL	4.9402E+04	-13.00	121.3	
1.000	1.000	185.4	0.000	0.000	Ug6_741_743_L_0						
67 D	37.62	-9.6918E-05	143.5	64.91	143.5	68.08	UL-RL	4.9402E+04	-13.20	123.2	
1.000	1.000	188.1	0.000	0.000	Ug6_741_743_L_0						
68 D	38.16	-9.9879E-05	145.4	65.71	145.4	69.00	UL-RL	4.9402E+04	-13.40	125.1	
1.000	1.000	190.8	0.000	0.000	Ug6_741_743_L_0						

69 D	38.69	-1.0287E-04	147.3	66.50	147.3	69.92	UL-RL	4.9402E+04	-13.60	126.9
1.000	1.000	193.4	0.000	0.000	Ug6_741_743_L_0					
70 D	39.22	-1.0589E-04	149.2	67.30	149.2	70.84	UL-RL	4.9402E+04	-13.80	128.8
1.000	1.000	196.1	0.000	0.000	Ug6_741_743_L_0					
71 D	39.75	-1.0890E-04	151.1	68.10	151.1	71.76	UL-RL	4.9402E+04	-14.00	130.7
1.000	1.000	198.8	0.000	0.000	Ug6_741_743_L_0					
72 D	40.29	-1.1191E-04	153.0	68.89	153.0	72.68	UL-RL	4.9402E+04	-14.20	132.5
1.000	1.000	201.4	0.000	0.000	Ug6_741_743_L_0					
73 D	40.82	-1.1490E-04	154.9	69.69	154.9	73.59	UL-RL	4.9402E+04	-14.40	134.4
1.000	1.000	204.1	0.000	0.000	Ug6_741_743_L_0					
74 D	41.35	-1.1788E-04	156.8	70.49	156.8	74.51	UL-RL	4.9402E+04	-14.60	136.3
1.000	1.000	206.8	0.000	0.000	Ug6_741_743_L_0					
75 D	41.88	-1.2085E-04	158.7	71.29	158.7	75.43	UL-RL	4.9402E+04	-14.80	138.1
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
76 D	42.42	-1.2380E-04	160.6	72.09	160.6	76.36	UL-RL	4.9402E+04	-15.00	140.0
1.000	1.000	212.1	0.000	0.000	Ug6_741_743_L_0					
77 D	42.95	-1.2673E-04	162.5	72.90	162.5	77.28	UL-RL	4.9402E+04	-15.20	141.9
1.000	1.000	214.8	0.000	0.000	Ug6_741_743_L_0					
78 D	43.49	-1.2966E-04	164.4	73.70	164.4	78.20	UL-RL	4.9402E+04	-15.40	143.7
1.000	1.000	217.4	0.000	0.000	Ug6_741_743_L_0					
79 D	44.02	-1.3258E-04	166.3	74.51	166.3	79.12	UL-RL	4.9402E+04	-15.60	145.6
1.000	1.000	220.1	0.000	0.000	Ug6_741_743_L_0					
80 D	44.56	-1.3549E-04	168.2	75.31	168.2	80.04	UL-RL	4.9402E+04	-15.80	147.5
1.000	1.000	222.8	0.000	0.000	Ug6_741_743_L_0					
81 D	22.55	-1.3841E-04	170.1	76.12	170.1	80.96	UL-RL	4.9402E+04	-16.00	149.3
1.000	1.000	225.5	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.8465E-03   0.000       0.000       20.00       18.58         PASSIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.136      1.7660E-03   1.867       8.546       22.00       19.18         PASSIVE   0.000      -2.200       2.133
1.000       1.000       10.68       0.000       0.000     Ug5_2_8_L_0
  13 D   4.272      1.6860E-03   3.733       17.09       24.00       19.77         PASSIVE   0.000      -2.400       4.267
1.000       1.000       21.36       0.000       0.000     Ug5_2_8_L_0
  14 D   6.407      1.6069E-03   5.600       25.64       26.00       25.64         PASSIVE   0.000      -2.600       6.400
1.000       1.000       32.04       0.000       0.000     Ug5_2_8_L_0
  15 D   8.543      1.5288E-03   7.467       34.18       28.00       34.18         PASSIVE   0.000      -2.800       8.533
1.000       1.000       42.72       0.000       0.000     Ug5_2_8_L_0
  16 D   10.68      1.4519E-03   9.333       42.73       30.00       42.73         PASSIVE   0.000      -3.000       10.67
1.000       1.000       53.39       0.000       0.000     Ug5_2_8_L_0
  17 D   11.80      1.3765E-03   11.20       46.18       32.00       46.18             V-C  2.1182E+04  -3.200       12.80
1.000       1.000       58.98       0.000       0.000     Ug5_2_8_L_0
  18 D   12.09      1.3026E-03   13.07       45.53       34.00       45.53             V-C  2.1182E+04  -3.400       14.93
1.000       1.000       60.46       0.000       0.000     Ug5_2_8_L_0
  19 D   12.39      1.2305E-03   14.93       44.91       36.00       44.91             V-C  2.1182E+04  -3.600       17.07
1.000       1.000       61.97       0.000       0.000     Ug5_2_8_L_0
  20 D   12.70      1.1602E-03   16.80       44.32       38.00       44.32             V-C  2.1182E+04  -3.800       19.20
1.000       1.000       63.52       0.000       0.000     Ug5_2_8_L_0
  21 D   13.02      1.0919E-03   18.67       43.78       40.00       43.78             V-C  2.1182E+04  -4.000       21.33
1.000       1.000       65.11       0.000       0.000     Ug5_2_8_L_0
  22 D   13.35      1.0257E-03   20.53       43.28       42.00       43.28             V-C  2.1182E+04  -4.200       23.47
1.000       1.000       66.74       0.000       0.000     Ug5_2_8_L_0
  23 D   13.69      9.6170E-04   22.40       42.83       44.00       42.83             V-C  2.1182E+04  -4.400       25.60
1.000       1.000       68.43       0.000       0.000     Ug5_2_8_L_0
  24 D   14.03      8.9993E-04   24.27       42.42       46.00       42.42             V-C  2.1182E+04  -4.600       27.73
1.000       1.000       70.16       0.000       0.000     Ug5_2_8_L_0
  25 D   14.39      8.4046E-04   26.13       42.07       48.00       42.07             V-C  2.1182E+04  -4.800       29.87
1.000       1.000       71.94       0.000       0.000     Ug5_2_8_L_0
  26 D   14.76      7.8335E-04   28.00       41.78       50.00       41.78             V-C  2.1182E+04  -5.000       32.00
1.000       1.000       73.78       0.000       0.000     Ug5_2_8_L_0
  27 D   15.13      7.2864E-04   29.87       41.53       52.00       41.53             V-C  2.1182E+04  -5.200       34.13
1.000       1.000       75.66       0.000       0.000     Ug5_2_8_L_0
  28 D   15.52      6.7634E-04   31.73       41.34       54.00       41.34             V-C  2.1182E+04  -5.400       36.27
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1.000	1.000	77.61	0.000	0.000	Ug5_2_8_L_0						
29 D	15.92	6.2647E-04	33.60	41.20	56.00	41.20		V-C	2.1182E+04	-5.600	38.40
1.000	1.000	79.60	0.000	0.000	Ug5_2_8_L_0						
30 D	16.33	5.7905E-04	35.47	41.12	58.00	41.12		V-C	2.1182E+04	-5.800	40.53
1.000	1.000	81.66	0.000	0.000	Ug5_2_8_L_0						
31 D	16.75	5.3407E-04	37.33	41.10	60.00	41.10		V-C	2.1182E+04	-6.000	42.67
1.000	1.000	83.76	0.000	0.000	Ug5_2_8_L_0						
32 D	17.19	4.9153E-04	39.20	41.13	62.00	41.13		V-C	2.1182E+04	-6.200	44.80
1.000	1.000	85.93	0.000	0.000	Ug5_2_8_L_0						
33 D	17.63	4.5140E-04	41.07	41.21	64.00	41.21		V-C	2.1182E+04	-6.400	46.93
1.000	1.000	88.14	0.000	0.000	Ug5_2_8_L_0						
34 D	18.08	4.1368E-04	42.93	41.34	66.00	41.34		V-C	2.1182E+04	-6.600	49.07
1.000	1.000	90.41	0.000	0.000	Ug5_2_8_L_0						
35 D	18.55	3.7832E-04	44.80	41.53	68.00	41.53		V-C	2.1182E+04	-6.800	51.20
1.000	1.000	92.73	0.000	0.000	Ug5_2_8_L_0						
36 D	19.02	3.4529E-04	46.67	41.77	70.00	41.77		V-C	2.1182E+04	-7.000	53.33
1.000	1.000	95.11	0.000	0.000	Ug5_2_8_L_0						
37 D	19.51	3.1457E-04	48.53	42.07	72.00	42.07		V-C	2.1182E+04	-7.200	55.47
1.000	1.000	97.53	0.000	0.000	Ug5_2_8_L_0						
38 D	20.00	2.8609E-04	50.40	42.41	74.00	42.41		V-C	2.1182E+04	-7.400	57.60
1.000	1.000	100.0	0.000	0.000	Ug5_2_8_L_0						
39 D	20.51	2.5982E-04	52.27	42.80	76.00	42.80		V-C	2.1182E+04	-7.600	59.73
1.000	1.000	102.5	0.000	0.000	Ug5_2_8_L_0						
40 D	21.02	2.3569E-04	54.13	43.24	78.00	43.24		V-C	2.1182E+04	-7.800	61.87
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0						
41 D	21.55	2.1364E-04	56.00	43.73	80.00	43.73		V-C	2.1182E+04	-8.000	64.00
1.000	1.000	107.7	0.000	0.000	Ug5_2_8_L_0						
42 D	22.08	1.9361E-04	57.87	44.26	82.00	44.26		V-C	2.1182E+04	-8.200	66.13
1.000	1.000	110.4	0.000	0.000	Ug5_2_8_L_0						
43 D	22.62	1.7553E-04	59.73	44.83	84.00	44.83		V-C	2.1182E+04	-8.400	68.27
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
44 D	23.17	1.5932E-04	61.60	45.44	86.00	45.44		V-C	2.1182E+04	-8.600	70.40
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
45 D	23.73	1.4490E-04	63.47	46.10	88.00	46.10		V-C	2.1182E+04	-8.800	72.53
1.000	1.000	118.6	0.000	0.000	Ug5_2_8_L_0						
46 D	24.29	1.3217E-04	65.33	46.79	90.00	46.79		V-C	2.1182E+04	-9.000	74.67
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
47 D	24.86	1.2106E-04	67.20	47.52	92.00	47.52		V-C	2.1182E+04	-9.200	76.80
1.000	1.000	124.3	0.000	0.000	Ug5_2_8_L_0						
48 D	25.44	1.1145E-04	69.07	48.28	94.00	48.28		V-C	2.1182E+04	-9.400	78.93
1.000	1.000	127.2	0.000	0.000	Ug5_2_8_L_0						
49 D	26.03	1.0326E-04	70.93	49.07	96.00	49.07		V-C	2.1182E+04	-9.600	81.07
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0						
50 D	26.58	9.6393E-05	72.80	49.71	98.00	49.98		UL-RL	6.3546E+04	-9.800	83.20
1.000	1.000	132.9	0.000	0.000	Ug5_2_8_L_0						
51 D	27.13	9.0741E-05	74.67	50.31	100.00	50.95		UL-RL	6.3546E+04	-10.00	85.33
1.000	1.000	135.6	0.000	0.000	Ug5_2_8_L_0						
52 D	27.69	8.6213E-05	76.53	50.98	102.0	51.93		UL-RL	6.3546E+04	-10.20	87.47
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
53 D	28.26	8.2715E-05	78.40	51.71	104.0	52.91		UL-RL	6.3546E+04	-10.40	89.60
1.000	1.000	141.3	0.000	0.000	Ug5_2_8_L_0						
54 D	28.84	8.0156E-05	80.27	52.49	106.0	53.89		UL-RL	6.3546E+04	-10.60	91.73
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0						
55 D	29.44	7.8448E-05	82.13	53.31	108.0	54.88		UL-RL	6.3546E+04	-10.80	93.87
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
56 D	30.03	7.7505E-05	84.00	54.17	110.0	55.88		UL-RL	6.3546E+04	-11.00	96.00
1.000	1.000	150.2	0.000	0.000	Ug5_2_8_L_0						
57 D	30.64	7.7247E-05	85.87	55.07	112.0	56.88		UL-RL	6.3546E+04	-11.20	98.13
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0						
58 D	31.25	7.7597E-05	87.73	56.01	114.0	57.89		UL-RL	6.3546E+04	-11.40	100.3
1.000	1.000	156.3	0.000	0.000	Ug5_2_8_L_0						
59 D	31.87	7.8479E-05	89.60	56.97	116.0	58.90		UL-RL	6.3546E+04	-11.60	102.4
1.000	1.000	159.4	0.000	0.000	Ug5_2_8_L_0						
60 D	32.50	7.9823E-05	91.47	57.97	118.0	59.91		UL-RL	6.3546E+04	-11.80	104.5
1.000	1.000	162.5	0.000	0.000	Ug5_2_8_L_0						
61 D	33.13	8.1560E-05	93.33	58.98	120.0	60.92		UL-RL	6.3546E+04	-12.00	106.7
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
62 D	33.53	8.3625E-05	95.00	58.84	121.8	61.54		UL-RL	4.6114E+04	-12.20	108.8
1.000	1.000	167.6	0.000	0.000	Ug6_741_743_L_0						
63 D	34.15	8.5955E-05	96.67	59.81	123.6	62.42		UL-RL	4.6114E+04	-12.40	110.9
1.000	1.000	170.7	0.000	0.000	Ug6_741_743_L_0						
64 D	34.77	8.8494E-05	98.33	60.79	125.4	63.30		UL-RL	4.6114E+04	-12.60	113.1
1.000	1.000	173.9	0.000	0.000	Ug6_741_743_L_0						
65 D	35.39	9.1194E-05	100.00	61.77	127.2	64.19		UL-RL	4.6114E+04	-12.80	115.2
1.000	1.000	177.0	0.000	0.000	Ug6_741_743_L_0						
66 D	36.02	9.4013E-05	101.7	62.77	129.0	65.07		UL-RL	4.6114E+04	-13.00	117.3
1.000	1.000	180.1	0.000	0.000	Ug6_741_743_L_0						
67 D	36.65	9.6918E-05	103.3	63.76	130.8	65.95		UL-RL	4.6114E+04	-13.20	119.5
1.000	1.000	183.2	0.000	0.000	Ug6_741_743_L_0						
68 D	37.27	9.9879E-05	105.0	64.76	132.6	66.84		UL-RL	4.6114E+04	-13.40	121.6
1.000	1.000	186.4	0.000	0.000	Ug6_741_743_L_0						

69 D	37.90	1.0287E-04	106.7	65.76	134.4	67.73	UL-RL	4.6114E+04	-13.60	123.7
1.000	1.000	189.5	0.000	0.000	Ug6_741_743_L_0					
70 D	38.53	1.0589E-04	108.3	66.76	136.2	68.61	UL-RL	4.6114E+04	-13.80	125.9
1.000	1.000	192.6	0.000	0.000	Ug6_741_743_L_0					
71 D	39.15	1.0890E-04	110.0	67.77	138.0	69.50	UL-RL	4.6114E+04	-14.00	128.0
1.000	1.000	195.8	0.000	0.000	Ug6_741_743_L_0					
72 D	39.78	1.1191E-04	111.7	68.77	139.8	70.38	UL-RL	4.6114E+04	-14.20	130.1
1.000	1.000	198.9	0.000	0.000	Ug6_741_743_L_0					
73 D	40.41	1.1490E-04	113.3	69.77	141.6	71.27	UL-RL	4.6114E+04	-14.40	132.3
1.000	1.000	202.0	0.000	0.000	Ug6_741_743_L_0					
74 D	41.03	1.1788E-04	115.0	70.77	143.4	72.16	UL-RL	4.6114E+04	-14.60	134.4
1.000	1.000	205.2	0.000	0.000	Ug6_741_743_L_0					
75 D	41.66	1.2085E-04	116.7	71.77	145.2	73.05	UL-RL	4.6114E+04	-14.80	136.5
1.000	1.000	208.3	0.000	0.000	Ug6_741_743_L_0					
76 D	42.29	1.2380E-04	118.3	72.77	147.0	73.94	UL-RL	4.6114E+04	-15.00	138.7
1.000	1.000	211.4	0.000	0.000	Ug6_741_743_L_0					
77 D	42.91	1.2673E-04	120.0	73.77	148.8	74.82	UL-RL	4.6114E+04	-15.20	140.8
1.000	1.000	214.6	0.000	0.000	Ug6_741_743_L_0					
78 D	43.54	1.2966E-04	121.7	74.77	150.6	75.71	UL-RL	4.6114E+04	-15.40	142.9
1.000	1.000	217.7	0.000	0.000	Ug6_741_743_L_0					
79 D	44.17	1.3258E-04	123.3	75.76	152.4	76.60	UL-RL	4.6114E+04	-15.60	145.1
1.000	1.000	220.8	0.000	0.000	Ug6_741_743_L_0					
80 D	44.79	1.3549E-04	125.0	76.76	154.2	77.49	UL-RL	4.6114E+04	-15.80	147.2
1.000	1.000	224.0	0.000	0.000	Ug6_741_743_L_0					
81 D	22.71	1.3841E-04	126.7	77.76	156.0	78.38	UL-RL	4.6114E+04	-16.00	149.3
1.000	1.000	227.1	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 5.44976E-10-5.44976E-10 5.47208E-11 1.85747E-11
    2 0.51011    -0.51011     4.09211E-11 0.10202
    3  1.5337     -1.5337    -0.10202     0.40876
    4  3.0751     -3.0751    -0.40876      1.0238
    5  5.1375     -5.1375     -1.0238      2.0513
    6  7.7224     -7.7224     -2.0513      3.5958
    7  10.830     -10.830     -3.5958      5.7617
    8  14.468     -14.468     -5.7617      8.6553
    9  18.641     -18.641     -8.6553      12.384
   10  23.331     -23.331     -12.384      17.050
   11  28.549     -28.549     -17.050      22.760
   12  32.155     -32.155     -22.760      29.191
   13  34.139     -34.139     -29.191      36.018
   14  34.508     -34.508     -36.018      42.920
   15  33.262     -33.262     -42.920      49.572
   16  30.398     -30.398     -49.572      55.652
   17  26.927     -26.927     -55.652      61.037
   18  23.678     -23.678     -61.037      65.773
   19  20.643     -20.643     -65.773      69.902
   20  17.808     -17.808     -69.902      73.463
   21  15.171     -15.171     -73.463      76.498
   22  12.722     -12.722     -76.498      79.042
   23  10.445     -10.445     -79.042      81.131
   24  8.3369     -8.3369     -81.131      82.798
   25  6.3859     -6.3859     -82.798      84.076
   26  4.5816     -4.5816     -84.076      84.992
   27  2.9082     -2.9082     -84.992      85.574
   28  1.3596     -1.3596     -85.574      85.845
   29-7.55059E-02 7.55059E-02 -85.845      85.830
   30 -1.4125      1.4125     -85.830      85.548
   31 -2.6581      2.6581     -85.548      85.016
   32 -3.8237      3.8237     -85.016      84.251
   33 -4.9238      4.9238     -84.251      83.267
   34 -5.9656      5.9656     -83.267      82.074
   35 -6.9599      6.9599     -82.074      80.682
   36 -7.9171      7.9171     -80.682      79.098
   37 -8.8511      8.8511     -79.098      77.328
   38 -9.7684      9.7684     -77.328      75.374
   39 -10.679      10.679     -75.374      73.238
   40 -11.596      11.596     -73.238      70.919
   41 -12.525      12.525     -70.919      68.414
   42 -13.475      13.475     -68.414      65.719
   43 -14.458      14.458     -65.719      62.828
   44 -15.480      15.480     -62.828      59.732
   45 -16.270      16.270     -59.732      56.478
   46 -16.790      16.790     -56.478      53.120
   47 -17.080      17.080     -53.120      49.704
   48 -17.176      17.176     -49.704      46.268
   49 -17.114      17.114     -46.268      42.846
   50 -16.890      16.890     -42.846      39.468
   51 -16.519      16.519     -39.468      36.164
   52 -16.039      16.039     -36.164      32.956
   53 -15.484      15.484     -32.956      29.859
   54 -14.882      14.882     -29.859      26.883
   55 -14.257      14.257     -26.883      24.032
   56 -13.634      13.634     -24.032      21.305
   57 -13.033      13.033     -21.305      18.698
   58 -12.475      12.475     -18.698      16.203
   59 -11.977      11.977     -16.203      13.808
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   60 -11.551      11.551     -13.808      11.497
   61 -11.212      11.212     -11.497      9.2551
   62 -9.7915      9.7915     -9.2551      7.2968
   63 -8.4537      8.4537     -7.2968      5.6060
   64 -7.2024      7.2024     -5.6060      4.1655
   65 -6.0406      6.0406     -4.1655      2.9574
   66 -4.9705      4.9705     -2.9574      1.9633
   67 -3.9935      3.9935     -1.9633      1.1646
   68 -3.1106      3.1106     -1.1646     0.54249
   69 -2.3221      2.3221    -0.54249     7.80587E-02
   70 -1.6284      1.6284    -7.80587E-02-0.24762
   71 -1.0292      1.0292     0.24762    -0.45345
   72-0.52427     0.52427     0.45345    -0.55831
   73-0.11327     0.11327     0.55831    -0.58096
   74 0.20420    -0.20420     0.58096    -0.54012
   75 0.42858    -0.42858     0.54012    -0.45440
   76 0.56022    -0.56022     0.45440    -0.34236
   77 0.59944    -0.59944     0.34236    -0.22247
   78 0.54646    -0.54646     0.22247    -0.11318
   79 0.40144    -0.40144     0.11318    -3.28925E-02
   80 0.16445    -0.16445     3.28925E-02 1.33438E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1265E+06 RIMNOR=0.3954E+06
           RENORM= 701.2     REMNOR=0.3052E-19 RATIO =0.7445E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.97     RMMAX = 85.85
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1265E+06 RDR   =0.3954E+06
           RATIOT=0.7445E-01 RATIOR= 0.000
           MAX UN= 10.57     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7356E-01 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1265E+06 RIMNOR=0.3954E+06
           RENORM= 218.2     REMNOR=0.2624E-19 RATIO =0.4153E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.97     RMMAX = 85.85
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1265E+06 RDR   =0.3954E+06
           RATIOT=0.4153E-01 RATIOR= 0.000
           MAX UN= 3.741     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.2663E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1265E+06 RIMNOR=0.3954E+06
           RENORM= 123.2     REMNOR=0.1460E-17 RATIO =0.3121E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.97     RMMAX = 85.85
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1265E+06 RDR   =0.3954E+06
           RATIOT=0.3121E-01 RATIOR= 0.000
           MAX UN= 6.912     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.4945E-01 IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1265E+06 RIMNOR=0.3954E+06
           RENORM= 1.480     REMNOR=0.2737E-18 RATIO =0.3421E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.97     RMMAX = 85.85
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1265E+06 RDR   =0.3954E+06
           RATIOT=0.3421E-02 RATIOR= 0.000
           MAX UN=0.6985     IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           MIN UN=-.2098     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1265E+06 RIMNOR=0.3954E+06
           RENORM=0.9147E-16 REMNOR=0.2969E-18 RATIO =0.2689E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.97     RMMAX = 85.85
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1265E+06 RDR   =0.3954E+06
           RATIOT=0.2689E-10 RATIOR= 0.000
           MAX UN=0.3419E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.3025E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   9.8657742E-03  -1.2657889E-03
    2   9.6126164E-03  -1.2657889E-03
    3   9.3594591E-03  -1.2657818E-03
    4   9.1063056E-03  -1.2657461E-03
    5   8.8531649E-03  -1.2656462E-03
    6   8.6000548E-03  -1.2654316E-03
    7   8.3470043E-03  -1.2650375E-03
    8   8.0940570E-03  -1.2643845E-03
    9   7.8412740E-03  -1.2633784E-03
   10   7.5887365E-03  -1.2619100E-03
   11   7.3365490E-03  -1.2598558E-03
   12   7.0848424E-03  -1.2570773E-03
   13   6.8337766E-03  -1.2534216E-03
   14   6.5835434E-03  -1.2487212E-03
   15   6.3343699E-03  -1.2427941E-03
   16   6.0865207E-03  -1.2354438E-03
   17   5.8403001E-03  -1.2264593E-03
   18   5.5960577E-03  -1.2156450E-03
   19   5.3541742E-03  -1.2028501E-03
   20   5.1150568E-03  -1.1879688E-03
   21   4.8791309E-03  -1.1709404E-03
   22   4.6468260E-03  -1.1517487E-03
   23   4.4185738E-03  -1.1304228E-03
   24   4.1947942E-03  -1.1070370E-03
   25   3.9758884E-03  -1.0817102E-03
   26   3.7622286E-03  -1.0546065E-03
   27   3.5541513E-03  -1.0259350E-03
   28   3.3519452E-03  -9.9592073E-04
   29   3.1558584E-03  -9.6477557E-04
   30   2.9660972E-03  -9.3269666E-04
   31   2.7828298E-03  -8.9986730E-04
   32   2.6061899E-03  -8.6645774E-04
   33   2.4362758E-03  -8.3262506E-04
   34   2.2731583E-03  -7.9851492E-04
   35   2.1168794E-03  -7.6426148E-04
   36   1.9674551E-03  -7.2998825E-04
   37   1.8248785E-03  -6.9580887E-04
   38   1.6891191E-03  -6.6182712E-04
   39   1.5601281E-03  -6.2813867E-04
   40   1.4378382E-03  -5.9483091E-04
   41   1.3221651E-03  -5.6198387E-04
   42   1.2130091E-03  -5.2967084E-04
   43   1.1102566E-03  -4.9795891E-04
   44   1.0137813E-03  -4.6690968E-04
   45   9.2344525E-04  -4.3657995E-04
   46   8.3909836E-04  -4.0702171E-04
   47   7.6058190E-04  -3.7828356E-04
   48   6.8772725E-04  -3.5041075E-04
   49   6.2035707E-04  -3.2344583E-04
   50   5.5828600E-04  -2.9742924E-04
   51   5.0131991E-04  -2.7239936E-04
   52   4.4925673E-04  -2.4839318E-04
   53   4.0189280E-04  -2.2544966E-04
   54   3.5900620E-04  -2.0360220E-04
   55   3.2037634E-04  -1.8288840E-04
   56   2.8577281E-04  -1.6334514E-04
   57   2.5495774E-04  -1.4501011E-04
   58   2.2768586E-04  -1.2791865E-04
   59   2.0370556E-04  -1.1209793E-04
   60   1.8276085E-04  -9.7564778E-05
   61   1.6459340E-04  -8.4325380E-05
   62   1.4894471E-04  -7.2375685E-05
   63   1.3555966E-04  -6.1677996E-05
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64	1.2419459E-04	-5.2164229E-05
65	1.1461974E-04	-4.3763883E-05
66	1.0661962E-04	-3.6404759E-05
67	9.9993278E-05	-3.0013976E-05
68	9.4554320E-05	-2.4518835E-05
69	9.0130849E-05	-1.9847121E-05
70	8.6565347E-05	-1.5927278E-05
71	8.3714526E-05	-1.2688618E-05
72	8.1449128E-05	-1.0061530E-05
73	7.9653699E-05	-7.9776561E-06
74	7.8226316E-05	-6.3700382E-06
75	7.7078297E-05	-5.1732294E-06
76	7.6133893E-05	-4.3233828E-06
77	7.5329958E-05	-3.7583167E-06
78	7.4615612E-05	-3.4175610E-06
79	7.3951895E-05	-3.2423883E-06
80	7.3311416E-05	-3.1758324E-06
81	7.2677969E-05	-3.1626976E-06

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -9.8658E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5001     -9.6126E-03   2.217      0.7074       2.217       1.774          ACTIVE   0.000     -0.2000       1.793
1.000       1.000       2.500       0.000       0.000     Ug5_2_8_L_0
   3 D   1.004     -9.3595E-03   4.488       1.432       4.488       3.436          ACTIVE   0.000     -0.4000       3.586
1.000       1.000       5.018       0.000       0.000     Ug5_2_8_L_0
   4 D   1.511     -9.1063E-03   6.826       2.177       6.826       4.933          ACTIVE   0.000     -0.6000       5.379
1.000       1.000       7.557       0.000       0.000     Ug5_2_8_L_0
   5 D   2.022     -8.8532E-03   9.214       2.939       9.214       6.275          ACTIVE   0.000     -0.8000       7.172
1.000       1.000       10.11       0.000       0.000     Ug5_2_8_L_0
   6 D   2.535     -8.6001E-03   11.62       3.708       11.62       7.498          ACTIVE   0.000      -1.000       8.966
1.000       1.000       12.67       0.000       0.000     Ug5_2_8_L_0
   7 D   3.047     -8.3470E-03   14.04       4.477       14.04       8.636          ACTIVE   0.000      -1.200       10.76
1.000       1.000       15.24       0.000       0.000     Ug5_2_8_L_0
   8 D   3.568     -8.0941E-03   16.59       5.291       16.59       9.720          ACTIVE   0.000      -1.400       12.55
1.000       1.000       17.84       0.000       0.000     Ug5_2_8_L_0
   9 D   4.093     -7.8413E-03   19.18       6.120       19.18       10.77          ACTIVE   0.000      -1.600       14.34
1.000       1.000       20.46       0.000       0.000     Ug5_2_8_L_0
  10 D   4.600     -7.5887E-03   21.51       6.860       21.51       11.79          ACTIVE   0.000      -1.800       16.14
1.000       1.000       23.00       0.000       0.000     Ug5_2_8_L_0
  11 D   5.117     -7.3365E-03   24.00       7.656       24.00       12.80          ACTIVE   0.000      -2.000       17.93
1.000       1.000       25.59       0.000       0.000     Ug5_2_8_L_0
  12 D   5.632     -7.0848E-03   26.45       8.437       26.45       13.80          ACTIVE   0.000      -2.200       19.72
1.000       1.000       28.16       0.000       0.000     Ug5_2_8_L_0
  13 D   6.135     -6.8338E-03   28.71       9.157       28.71       14.79          ACTIVE   0.000      -2.400       21.52
1.000       1.000       30.67       0.000       0.000     Ug5_2_8_L_0
  14 D   6.646     -6.5835E-03   31.10       9.922       31.10       15.78          ACTIVE   0.000      -2.600       23.31
1.000       1.000       33.23       0.000       0.000     Ug5_2_8_L_0
  15 D   7.156     -6.3344E-03   33.48       10.68       33.48       16.77          ACTIVE   0.000      -2.800       25.10
1.000       1.000       35.78       0.000       0.000     Ug5_2_8_L_0
  16 D   7.665     -6.0865E-03   35.83       11.43       35.83       17.75          ACTIVE   0.000      -3.000       26.90
1.000       1.000       38.33       0.000       0.000     Ug5_2_8_L_0
  17 D   8.166     -5.8403E-03   38.05       12.14       38.05       18.73          ACTIVE   0.000      -3.200       28.69
1.000       1.000       40.83       0.000       0.000     Ug5_2_8_L_0
  18 D   8.673     -5.5961E-03   40.38       12.88       40.38       19.71          ACTIVE   0.000      -3.400       30.48
1.000       1.000       43.36       0.000       0.000     Ug5_2_8_L_0
  19 D   9.179     -5.3542E-03   42.70       13.62       42.70       20.69          ACTIVE   0.000      -3.600       32.28
1.000       1.000       45.90       0.000       0.000     Ug5_2_8_L_0
  20 D   9.679     -5.1151E-03   44.91       14.32       44.91       21.67          ACTIVE   0.000      -3.800       34.07
1.000       1.000       48.39       0.000       0.000     Ug5_2_8_L_0
  21 D   10.18     -4.8791E-03   47.21       15.06       47.21       22.66          ACTIVE   0.000      -4.000       35.86
1.000       1.000       50.92       0.000       0.000     Ug5_2_8_L_0
  22 D   10.69     -4.6468E-03   49.50       15.79       49.50       23.64          ACTIVE   0.000      -4.200       37.66
1.000       1.000       53.45       0.000       0.000     Ug5_2_8_L_0
  23 D   11.19     -4.4186E-03   51.70       16.49       51.70       24.62          ACTIVE   0.000      -4.400       39.45
1.000       1.000       55.94       0.000       0.000     Ug5_2_8_L_0
  24 D   11.69     -4.1948E-03   53.99       17.22       53.99       25.60          ACTIVE   0.000      -4.600       41.24
1.000       1.000       58.46       0.000       0.000     Ug5_2_8_L_0
  25 D   12.20     -3.9759E-03   56.27       17.95       56.27       26.59          ACTIVE   0.000      -4.800       43.03
1.000       1.000       60.98       0.000       0.000     Ug5_2_8_L_0
  26 D   12.70     -3.7622E-03   58.54       18.67       58.54       27.57          ACTIVE   0.000      -5.000       44.83
1.000       1.000       63.50       0.000       0.000     Ug5_2_8_L_0
  27 D   13.20     -3.5542E-03   60.74       19.37       60.74       28.55          ACTIVE   0.000      -5.200       46.62
1.000       1.000       66.00       0.000       0.000     Ug5_2_8_L_0
  28 D   13.70     -3.3519E-03   63.00       20.10       63.00       29.54          ACTIVE   0.000      -5.400       48.41
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1.000	1.000	68.51	0.000	0.000	Ug5_2_8_L_0						
29 D	14.21	-3.1559E-03	65.26	20.82	65.26	30.53	ACTIVE	0.000	-5.600	50.21	
1.000	1.000	71.03	0.000	0.000	Ug5_2_8_L_0						
30 D	14.70	-2.9661E-03	67.46	21.52	67.46	31.52	ACTIVE	0.000	-5.800	52.00	
1.000	1.000	73.52	0.000	0.000	Ug5_2_8_L_0						
31 D	15.21	-2.7828E-03	69.72	22.24	69.72	32.50	ACTIVE	0.000	-6.000	53.79	
1.000	1.000	76.03	0.000	0.000	Ug5_2_8_L_0						
32 D	15.71	-2.6062E-03	71.97	22.96	71.97	33.49	ACTIVE	0.000	-6.200	55.59	
1.000	1.000	78.54	0.000	0.000	Ug5_2_8_L_0						
33 D	16.21	-2.4363E-03	74.16	23.66	74.16	34.49	ACTIVE	0.000	-6.400	57.38	
1.000	1.000	81.04	0.000	0.000	Ug5_2_8_L_0						
34 D	16.71	-2.2732E-03	76.41	24.38	76.41	35.48	ACTIVE	0.000	-6.600	59.17	
1.000	1.000	83.55	0.000	0.000	Ug5_2_8_L_0						
35 D	17.21	-2.1169E-03	78.66	25.09	78.66	36.47	ACTIVE	0.000	-6.800	60.97	
1.000	1.000	86.06	0.000	0.000	Ug5_2_8_L_0						
36 D	17.71	-1.9675E-03	80.91	25.81	80.91	37.46	ACTIVE	0.000	-7.000	62.76	
1.000	1.000	88.57	0.000	0.000	Ug5_2_8_L_0						
37 D	18.21	-1.8249E-03	83.10	26.51	83.10	38.46	ACTIVE	0.000	-7.200	64.55	
1.000	1.000	91.06	0.000	0.000	Ug5_2_8_L_0						
38 D	18.71	-1.6891E-03	85.34	27.22	85.34	39.45	ACTIVE	0.000	-7.400	66.34	
1.000	1.000	93.57	0.000	0.000	Ug5_2_8_L_0						
39 D	19.22	-1.5601E-03	87.59	27.94	87.59	40.45	ACTIVE	0.000	-7.600	68.14	
1.000	1.000	96.08	0.000	0.000	Ug5_2_8_L_0						
40 D	19.71	-1.4378E-03	89.78	28.64	89.78	41.45	ACTIVE	0.000	-7.800	69.93	
1.000	1.000	98.57	0.000	0.000	Ug5_2_8_L_0						
41 D	20.22	-1.3222E-03	92.02	29.35	92.02	42.45	ACTIVE	0.000	-8.000	71.72	
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0						
42 D	20.72	-1.2130E-03	94.26	30.07	94.26	43.45	ACTIVE	0.000	-8.200	73.52	
1.000	1.000	103.6	0.000	0.000	Ug5_2_8_L_0						
43 D	21.22	-1.1103E-03	96.45	30.77	96.45	44.45	ACTIVE	0.000	-8.400	75.31	
1.000	1.000	106.1	0.000	0.000	Ug5_2_8_L_0						
44 D	21.72	-1.0138E-03	98.68	31.48	98.68	45.45	ACTIVE	0.000	-8.600	77.10	
1.000	1.000	108.6	0.000	0.000	Ug5_2_8_L_0						
45 D	22.22	-9.2345E-04	100.9	32.19	100.9	46.45	ACTIVE	0.000	-8.800	78.90	
1.000	1.000	111.1	0.000	0.000	Ug5_2_8_L_0						
46 D	22.72	-8.3910E-04	103.2	32.91	103.2	47.45	ACTIVE	0.000	-9.000	80.69	
1.000	1.000	113.6	0.000	0.000	Ug5_2_8_L_0						
47 D	23.22	-7.6058E-04	105.3	33.60	105.3	48.46	ACTIVE	0.000	-9.200	82.48	
1.000	1.000	116.1	0.000	0.000	Ug5_2_8_L_0						
48 D	23.72	-6.8773E-04	107.6	34.32	107.6	49.46	ACTIVE	0.000	-9.400	84.28	
1.000	1.000	118.6	0.000	0.000	Ug5_2_8_L_0						
49 D	24.22	-6.2036E-04	109.8	35.03	109.8	50.47	ACTIVE	0.000	-9.600	86.07	
1.000	1.000	121.1	0.000	0.000	Ug5_2_8_L_0						
50 D	24.72	-5.5829E-04	112.0	35.73	112.0	51.47	ACTIVE	0.000	-9.800	87.86	
1.000	1.000	123.6	0.000	0.000	Ug5_2_8_L_0						
51 D	25.22	-5.0132E-04	114.2	36.44	114.2	52.48	ACTIVE	0.000	-10.00	89.66	
1.000	1.000	126.1	0.000	0.000	Ug5_2_8_L_0						
52 D	25.72	-4.4926E-04	116.5	37.15	116.5	53.49	ACTIVE	0.000	-10.20	91.45	
1.000	1.000	128.6	0.000	0.000	Ug5_2_8_L_0						
53 D	26.22	-4.0189E-04	118.7	37.85	118.7	54.50	ACTIVE	0.000	-10.40	93.24	
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0						
54 D	26.72	-3.5901E-04	120.9	38.56	120.9	55.51	ACTIVE	0.000	-10.60	95.03	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
55 D	27.22	-3.2038E-04	123.1	39.27	123.1	56.52	ACTIVE	0.000	-10.80	96.83	
1.000	1.000	136.1	0.000	0.000	Ug5_2_8_L_0						
56 D	27.72	-2.8577E-04	125.3	39.98	125.3	57.53	ACTIVE	0.000	-11.00	98.62	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
57 D	28.47	-2.5496E-04	127.5	41.93	127.5	58.54	UL-RL	6.6389E+04	-11.20	100.4	
1.000	1.000	142.3	0.000	0.000	Ug5_2_8_L_0						
58 D	29.40	-2.2769E-04	129.8	44.80	129.8	59.55	UL-RL	6.6389E+04	-11.40	102.2	
1.000	1.000	147.0	0.000	0.000	Ug5_2_8_L_0						
59 D	30.28	-2.0371E-04	132.0	47.42	132.0	60.56	UL-RL	6.6389E+04	-11.60	104.0	
1.000	1.000	151.4	0.000	0.000	Ug5_2_8_L_0						
60 D	31.12	-1.8276E-04	134.2	49.83	134.2	61.58	UL-RL	6.6389E+04	-11.80	105.8	
1.000	1.000	155.6	0.000	0.000	Ug5_2_8_L_0						
61 D	31.93	-1.6459E-04	136.4	52.04	136.4	62.59	UL-RL	6.6389E+04	-12.00	107.6	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						
62 D	34.07	-1.4894E-04	138.4	60.96	138.4	63.50	UL-RL	3.2934E+04	-12.20	109.4	
1.000	1.000	170.3	0.000	0.000	Ug6_741_743_L_0						
63 D	34.70	-1.3556E-04	140.4	62.34	140.4	64.42	UL-RL	3.2934E+04	-12.40	111.2	
1.000	1.000	173.5	0.000	0.000	Ug6_741_743_L_0						
64 D	35.32	-1.2419E-04	142.4	63.65	142.4	65.33	UL-RL	3.2934E+04	-12.60	113.0	
1.000	1.000	176.6	0.000	0.000	Ug6_741_743_L_0						
65 D	35.93	-1.1462E-04	144.4	64.90	144.4	66.25	UL-RL	3.2934E+04	-12.80	114.8	
1.000	1.000	179.7	0.000	0.000	Ug6_741_743_L_0						
66 D	36.50	-1.0662E-04	146.4	65.96	146.4	67.23	UL-RL	3.2934E+04	-13.00	116.6	
1.000	1.000	182.5	0.000	0.000	Ug6_741_743_L_0						
67 D	37.07	-9.9993E-05	148.4	66.99	148.4	68.21	UL-RL	3.2934E+04	-13.20	118.3	
1.000	1.000	185.3	0.000	0.000	Ug6_741_743_L_0						
68 D	37.63	-9.4554E-05	150.3	68.03	150.3	69.19	UL-RL	3.2934E+04	-13.40	120.1	
1.000	1.000	188.2	0.000	0.000	Ug6_741_743_L_0						

69 D	38.20	-9.0131E-05	152.3	69.07	152.3	70.19	UL-RL	3.2934E+04	-13.60	121.9
1.000	1.000	191.0	0.000	0.000	Ug6_741_743_L_0					
70 D	38.76	-8.6565E-05	154.3	70.10	154.3	71.18	UL-RL	3.2934E+04	-13.80	123.7
1.000	1.000	193.8	0.000	0.000	Ug6_741_743_L_0					
71 D	39.33	-8.3715E-05	156.2	71.11	156.2	72.17	UL-RL	3.2934E+04	-14.00	125.5
1.000	1.000	196.6	0.000	0.000	Ug6_741_743_L_0					
72 D	39.88	-8.1449E-05	158.2	72.11	158.2	73.16	UL-RL	3.2934E+04	-14.20	127.3
1.000	1.000	199.4	0.000	0.000	Ug6_741_743_L_0					
73 D	40.44	-7.9654E-05	160.2	73.11	160.2	74.13	UL-RL	3.2934E+04	-14.40	129.1
1.000	1.000	202.2	0.000	0.000	Ug6_741_743_L_0					
74 D	41.00	-7.8226E-05	162.1	74.09	162.1	75.11	UL-RL	3.2934E+04	-14.60	130.9
1.000	1.000	205.0	0.000	0.000	Ug6_741_743_L_0					
75 D	41.55	-7.7078E-05	164.1	75.08	164.1	76.09	UL-RL	3.2934E+04	-14.80	132.7
1.000	1.000	207.8	0.000	0.000	Ug6_741_743_L_0					
76 D	42.11	-7.6134E-05	166.1	76.06	166.1	77.06	UL-RL	3.2934E+04	-15.00	134.5
1.000	1.000	210.5	0.000	0.000	Ug6_741_743_L_0					
77 D	42.66	-7.5330E-05	168.1	77.04	168.1	78.03	UL-RL	3.2934E+04	-15.20	136.3
1.000	1.000	213.3	0.000	0.000	Ug6_741_743_L_0					
78 D	43.22	-7.4616E-05	170.0	78.01	170.0	79.00	UL-RL	3.2934E+04	-15.40	138.1
1.000	1.000	216.1	0.000	0.000	Ug6_741_743_L_0					
79 D	43.77	-7.3952E-05	172.0	78.99	172.0	79.98	UL-RL	3.2934E+04	-15.60	139.9
1.000	1.000	218.8	0.000	0.000	Ug6_741_743_L_0					
80 D	44.32	-7.3311E-05	174.0	79.96	174.0	80.95	UL-RL	3.2934E+04	-15.80	141.7
1.000	1.000	221.6	0.000	0.000	Ug6_741_743_L_0					
81 D	22.44	-7.2678E-05	176.0	80.94	176.0	81.92	UL-RL	3.2934E+04	-16.00	143.4
1.000	1.000	224.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      6.0865E-03   0.000       0.000       30.00       42.73       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.083      5.8403E-03   1.793       8.209       32.00       46.18       PASSIVE   0.000       -3.200       2.207
1.000       1.000       10.42       0.000       0.000     Ug5_2_8_L_0
  18 D   4.166      5.5961E-03   3.586       16.42       34.00       45.53       PASSIVE   0.000       -3.400       4.414
1.000       1.000       20.83       0.000       0.000     Ug5_2_8_L_0
  19 D   6.249      5.3542E-03   5.379       24.63       36.00       44.91       PASSIVE   0.000       -3.600       6.621
1.000       1.000       31.25       0.000       0.000     Ug5_2_8_L_0
  20 D   8.333      5.1151E-03   7.172       32.84       38.00       44.32       PASSIVE   0.000       -3.800       8.828
1.000       1.000       41.66       0.000       0.000     Ug5_2_8_L_0
  21 D   10.42      4.8791E-03   8.966       41.04       40.00       43.78       PASSIVE   0.000       -4.000       11.03
1.000       1.000       52.08       0.000       0.000     Ug5_2_8_L_0
  22 D   12.50      4.6468E-03   10.76       49.25       42.00       49.25       PASSIVE   0.000       -4.200       13.24
1.000       1.000       62.49       0.000       0.000     Ug5_2_8_L_0
  23 D   14.58      4.4186E-03   12.55       57.46       44.00       57.46       PASSIVE   0.000       -4.400       15.45
1.000       1.000       72.91       0.000       0.000     Ug5_2_8_L_0
  24 D   16.67      4.1948E-03   14.34       65.67       46.00       65.67       PASSIVE   0.000       -4.600       17.66
1.000       1.000       83.33       0.000       0.000     Ug5_2_8_L_0
  25 D   18.75      3.9759E-03   16.14       73.88       48.00       73.88       PASSIVE   0.000       -4.800       19.86
1.000       1.000       93.74       0.000       0.000     Ug5_2_8_L_0
  26 D   20.83      3.7622E-03   17.93       82.09       50.00       82.09       PASSIVE   0.000       -5.000       22.07
1.000       1.000       104.2       0.000       0.000     Ug5_2_8_L_0
  27 D   20.90      3.5542E-03   19.72       80.20       52.00       80.20           V-C   1.4121E+04  -5.200       24.28
1.000       1.000       104.5       0.000       0.000     Ug5_2_8_L_0
  28 D   20.88      3.3519E-03   21.52       77.91       54.00       77.91           V-C   1.4121E+04  -5.400       26.48
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1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
29 D	20.88	3.1559E-03	23.31	75.71	56.00	75.71	V-C	1.4121E+04	-5.600	28.69	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
30 D	20.91	2.9661E-03	25.10	73.63	58.00	73.63	V-C	1.4121E+04	-5.800	30.90	
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
31 D	20.95	2.7828E-03	26.90	71.66	60.00	71.66	V-C	1.4121E+04	-6.000	33.10	
1.000	1.000	104.8	0.000	0.000	Ug5_2_8_L_0						
32 D	21.02	2.6062E-03	28.69	69.80	62.00	69.80	V-C	1.4121E+04	-6.200	35.31	
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0						
33 D	21.11	2.4363E-03	30.48	68.05	64.00	68.05	V-C	1.4121E+04	-6.400	37.52	
1.000	1.000	105.6	0.000	0.000	Ug5_2_8_L_0						
34 D	21.23	2.2732E-03	32.28	66.42	66.00	66.42	V-C	1.4121E+04	-6.600	39.72	
1.000	1.000	106.1	0.000	0.000	Ug5_2_8_L_0						
35 D	21.37	2.1169E-03	34.07	64.91	68.00	64.91	V-C	1.4121E+04	-6.800	41.93	
1.000	1.000	106.8	0.000	0.000	Ug5_2_8_L_0						
36 D	21.53	1.9675E-03	35.86	63.51	70.00	63.51	V-C	1.4121E+04	-7.000	44.14	
1.000	1.000	107.6	0.000	0.000	Ug5_2_8_L_0						
37 D	21.71	1.8249E-03	37.66	62.22	72.00	62.22	V-C	1.4121E+04	-7.200	46.34	
1.000	1.000	108.6	0.000	0.000	Ug5_2_8_L_0						
38 D	21.92	1.6891E-03	39.45	61.05	74.00	61.05	V-C	1.4121E+04	-7.400	48.55	
1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0						
39 D	22.15	1.5601E-03	41.24	59.99	76.00	59.99	V-C	1.4121E+04	-7.600	50.76	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
40 D	22.40	1.4378E-03	43.03	59.04	78.00	59.04	V-C	1.4121E+04	-7.800	52.97	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
41 D	22.68	1.3222E-03	44.83	58.21	80.00	58.21	V-C	1.4121E+04	-8.000	55.17	
1.000	1.000	113.4	0.000	0.000	Ug5_2_8_L_0						
42 D	22.97	1.2130E-03	46.62	57.48	82.00	57.48	V-C	1.4121E+04	-8.200	57.38	
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0						
43 D	23.29	1.1103E-03	48.41	56.85	84.00	56.85	V-C	1.4121E+04	-8.400	59.59	
1.000	1.000	116.4	0.000	0.000	Ug5_2_8_L_0						
44 D	23.62	1.0138E-03	50.21	56.33	86.00	56.33	V-C	1.4121E+04	-8.600	61.79	
1.000	1.000	118.1	0.000	0.000	Ug5_2_8_L_0						
45 D	23.98	9.2345E-04	52.00	55.91	88.00	55.91	V-C	1.4121E+04	-8.800	64.00	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
46 D	24.36	8.3910E-04	53.79	55.59	90.00	55.59	V-C	1.4121E+04	-9.000	66.21	
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.76	7.6058E-04	55.59	55.36	92.00	55.36	V-C	1.4121E+04	-9.200	68.41	
1.000	1.000	123.8	0.000	0.000	Ug5_2_8_L_0						
48 D	25.17	6.8773E-04	57.38	55.23	94.00	55.23	V-C	1.4121E+04	-9.400	70.62	
1.000	1.000	125.8	0.000	0.000	Ug5_2_8_L_0						
49 D	25.60	6.2036E-04	59.17	55.18	96.00	55.18	V-C	1.4121E+04	-9.600	72.83	
1.000	1.000	128.0	0.000	0.000	Ug5_2_8_L_0						
50 D	26.05	5.5829E-04	60.97	55.22	98.00	55.22	V-C	1.4121E+04	-9.800	75.03	
1.000	1.000	130.3	0.000	0.000	Ug5_2_8_L_0						
51 D	26.52	5.0132E-04	62.76	55.34	100.00	55.34	V-C	1.4121E+04	-10.00	77.24	
1.000	1.000	132.6	0.000	0.000	Ug5_2_8_L_0						
52 D	27.00	4.4926E-04	64.55	55.54	102.0	55.54	V-C	1.4121E+04	-10.20	79.45	
1.000	1.000	135.0	0.000	0.000	Ug5_2_8_L_0						
53 D	27.49	4.0189E-04	66.34	55.81	104.0	55.81	V-C	1.4121E+04	-10.40	81.66	
1.000	1.000	137.5	0.000	0.000	Ug5_2_8_L_0						
54 D	28.00	3.5901E-04	68.14	56.15	106.0	56.15	V-C	1.4121E+04	-10.60	83.86	
1.000	1.000	140.0	0.000	0.000	Ug5_2_8_L_0						
55 D	28.53	3.2038E-04	69.93	56.56	108.0	56.56	V-C	1.4121E+04	-10.80	86.07	
1.000	1.000	142.6	0.000	0.000	Ug5_2_8_L_0						
56 D	29.06	2.8577E-04	71.72	57.04	110.0	57.04	V-C	1.4121E+04	-11.00	88.28	
1.000	1.000	145.3	0.000	0.000	Ug5_2_8_L_0						
57 D	29.61	2.5496E-04	73.52	57.57	112.0	57.57	V-C	1.4121E+04	-11.20	90.48	
1.000	1.000	148.1	0.000	0.000	Ug5_2_8_L_0						
58 D	30.17	2.2769E-04	75.31	58.16	114.0	58.16	V-C	1.4121E+04	-11.40	92.69	
1.000	1.000	150.8	0.000	0.000	Ug5_2_8_L_0						
59 D	30.70	2.0371E-04	77.10	58.59	116.0	58.90	UL-RL	4.2364E+04	-11.60	94.90	
1.000	1.000	153.5	0.000	0.000	Ug5_2_8_L_0						
60 D	31.15	1.8276E-04	78.90	58.63	118.0	59.91	UL-RL	4.2364E+04	-11.80	97.10	
1.000	1.000	155.7	0.000	0.000	Ug5_2_8_L_0						
61 D	31.62	1.6459E-04	80.69	58.79	120.0	60.92	UL-RL	4.2364E+04	-12.00	99.31	
1.000	1.000	158.1	0.000	0.000	Ug5_2_8_L_0						
62 D	31.73	1.4894E-04	82.28	57.12	121.8	61.54	UL-RL	3.0743E+04	-12.20	101.5	
1.000	1.000	158.6	0.000	0.000	Ug6_741_743_L_0						
63 D	32.26	1.3556E-04	83.88	57.59	123.6	62.42	UL-RL	3.0743E+04	-12.40	103.7	
1.000	1.000	161.3	0.000	0.000	Ug6_741_743_L_0						
64 D	32.81	1.2419E-04	85.47	58.12	125.4	63.30	UL-RL	3.0743E+04	-12.60	105.9	
1.000	1.000	164.1	0.000	0.000	Ug6_741_743_L_0						
65 D	33.37	1.1462E-04	87.06	58.72	127.2	64.19	UL-RL	3.0743E+04	-12.80	108.1	
1.000	1.000	166.9	0.000	0.000	Ug6_741_743_L_0						
66 D	33.94	1.0662E-04	88.66	59.36	129.0	65.07	UL-RL	3.0743E+04	-13.00	110.3	
1.000	1.000	169.7	0.000	0.000	Ug6_741_743_L_0						
67 D	34.52	9.9993E-05	90.25	60.05	130.8	65.95	UL-RL	3.0743E+04	-13.20	112.6	
1.000	1.000	172.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.11	9.4554E-05	91.84	60.78	132.6	66.84	UL-RL	3.0743E+04	-13.40	114.8	
1.000	1.000	175.5	0.000	0.000	Ug6_741_743_L_0						

69 D	35.70	9.0131E-05	93.43	61.53	134.4	67.73	UL-RL	3.0743E+04	-13.60	117.0
1.000	1.000	178.5	0.000	0.000	Ug6_741_743_L_0					
70 D	36.30	8.6565E-05	95.03	62.32	136.2	68.61	UL-RL	3.0743E+04	-13.80	119.2
1.000	1.000	181.5	0.000	0.000	Ug6_741_743_L_0					
71 D	36.90	8.3715E-05	96.62	63.12	138.0	69.50	UL-RL	3.0743E+04	-14.00	121.4
1.000	1.000	184.5	0.000	0.000	Ug6_741_743_L_0					
72 D	37.51	8.1449E-05	98.21	63.95	139.8	70.38	UL-RL	3.0743E+04	-14.20	123.6
1.000	1.000	187.5	0.000	0.000	Ug6_741_743_L_0					
73 D	38.12	7.9654E-05	99.81	64.79	141.6	71.27	UL-RL	3.0743E+04	-14.40	125.8
1.000	1.000	190.6	0.000	0.000	Ug6_741_743_L_0					
74 D	38.73	7.8226E-05	101.4	65.63	143.4	72.16	UL-RL	3.0743E+04	-14.60	128.0
1.000	1.000	193.6	0.000	0.000	Ug6_741_743_L_0					
75 D	39.34	7.7078E-05	103.0	66.49	145.2	73.05	UL-RL	3.0743E+04	-14.80	130.2
1.000	1.000	196.7	0.000	0.000	Ug6_741_743_L_0					
76 D	39.95	7.6134E-05	104.6	67.35	147.0	73.94	UL-RL	3.0743E+04	-15.00	132.4
1.000	1.000	199.8	0.000	0.000	Ug6_741_743_L_0					
77 D	40.57	7.5330E-05	106.2	68.22	148.8	74.82	UL-RL	3.0743E+04	-15.20	134.6
1.000	1.000	202.8	0.000	0.000	Ug6_741_743_L_0					
78 D	41.18	7.4616E-05	107.8	69.09	150.6	75.71	UL-RL	3.0743E+04	-15.40	136.8
1.000	1.000	205.9	0.000	0.000	Ug6_741_743_L_0					
79 D	41.80	7.3952E-05	109.4	69.96	152.4	76.60	UL-RL	3.0743E+04	-15.60	139.0
1.000	1.000	209.0	0.000	0.000	Ug6_741_743_L_0					
80 D	42.42	7.3311E-05	111.0	70.84	154.2	77.49	UL-RL	3.0743E+04	-15.80	141.2
1.000	1.000	212.1	0.000	0.000	Ug6_741_743_L_0					
81 D	21.52	7.2678E-05	112.6	71.71	156.0	78.38	UL-RL	3.0743E+04	-16.00	143.4
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0					

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 2.46350E-09-2.46350E-09 2.45498E-10-5.05087E-12
    2 0.50009    -0.50009     1.86248E-10 0.10002
    3  1.5036     -1.5036    -0.10002     0.40075
    4  3.0150     -3.0150    -0.40075      1.0037
    5  5.0373     -5.0373     -1.0037      2.0112
    6  7.5721     -7.5721     -2.0112      3.5256
    7  10.619     -10.619     -3.5256      5.6495
    8  14.188     -14.188     -5.6495      8.4870
    9  18.281     -18.281     -8.4870      12.143
   10  22.880     -22.880     -12.143      16.719
   11  27.998     -27.998     -16.719      22.319
   12  33.630     -33.630     -22.319      29.045
   13  39.765     -39.765     -29.045      36.998
   14  46.411     -46.411     -36.998      46.280
   15  53.567     -53.567     -46.280      56.993
   16  61.233     -61.233     -56.993      69.240
   17  67.315     -67.315     -69.240      82.703
   18  71.822     -71.822     -82.703      97.067
   19  74.751     -74.751     -97.067      112.02
   20  76.098     -76.098     -112.02      127.24
   21  75.866     -75.866     -127.24      142.41
   22  74.057     -74.057     -142.41      157.22
   23  70.663     -70.663     -157.22      171.35
   24  65.691     -65.691     -171.35      184.49
   25  59.139     -59.139     -184.49      196.32
   26  51.008     -51.008     -196.32      206.52
   27  43.312     -43.312     -206.52      215.18
   28  36.136     -36.136     -215.18      222.41
   29  29.461     -29.461     -222.41      228.30
   30  23.259     -23.259     -228.30      232.96
   31  17.513     -17.513     -232.96      236.46
   32  12.200     -12.200     -236.46      238.90
   33  7.2929     -7.2929     -238.90      240.36
   34  2.7732     -2.7732     -240.36      240.91
   35 -1.3826      1.3826     -240.91      240.63
   36 -5.1978      5.1978     -240.63      239.59
   37 -8.6988      8.6988     -239.59      237.86
   38 -11.905      11.905     -237.86      235.47
   39 -14.839      14.839     -235.47      232.51
   40 -17.527      17.527     -232.51      229.00
   41 -19.987      19.987     -229.00      225.00
   42 -22.241      22.241     -225.00      220.56
   43 -24.314      24.314     -220.56      215.69
   44 -26.222      26.222     -215.69      210.45
   45 -27.986      27.986     -210.45      204.85
   46 -29.627      29.627     -204.85      198.93
   47 -31.164      31.164     -198.93      192.69
   48 -32.615      32.615     -192.69      186.17
   49 -33.997      33.997     -186.17      179.37
   50 -35.330      35.330     -179.37      172.30
   51 -36.627      36.627     -172.30      164.98
   52 -37.904      37.904     -164.98      157.40
   53 -39.178      39.178     -157.40      149.56
   54 -40.462      40.462     -149.56      141.47
   55 -41.769      41.769     -141.47      133.12
   56 -43.111      43.111     -133.12      124.49
   57 -44.251      44.251     -124.49      115.64
   58 -45.020      45.020     -115.64      106.64
   59 -45.433      45.433     -106.64      97.553
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   60 -45.454      45.454     -97.553      88.463
   61 -45.148      45.148     -88.463      79.433
   62 -42.806      42.806     -79.433      70.872
   63 -40.365      40.365     -70.872      62.799
   64 -37.853      37.853     -62.799      55.228
   65 -35.293      35.293     -55.228      48.169
   66 -32.733      32.733     -48.169      41.623
   67 -30.186      30.186     -41.623      35.585
   68 -27.660      27.660     -35.585      30.053
   69 -25.160      25.160     -30.053      25.021
   70 -22.694      22.694     -25.021      20.482
   71 -20.269      20.269     -20.482      16.429
   72 -17.892      17.892     -16.429      12.850
   73 -15.566      15.566     -12.850      9.7371
   74 -13.294      13.294     -9.7371      7.0783
   75 -11.080      11.080     -7.0783      4.8622
   76 -8.9258      8.9258     -4.8622      3.0771
   77 -6.8322      6.8322     -3.0771      1.7106
   78 -4.8002      4.8002     -1.7106     0.75059
   79 -2.8303      2.8303    -0.75059     0.18454
   80-0.92264     0.92264    -0.18454    -8.67084E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3017E+06 RIMNOR=0.3228E+07
           RENORM= 1120.     REMNOR=0.2969E-18 RATIO =0.6093E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 76.10     RMMAX = 240.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3017E+06 RDR   =0.3228E+07
           RATIOT=0.6093E-01 RATIOR= 0.000
           MAX UN= 10.50     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3017E+06 RIMNOR=0.3228E+07
           RENORM= 387.9     REMNOR=0.3456E-18 RATIO =0.3586E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 76.10     RMMAX = 240.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3017E+06 RDR   =0.3228E+07
           RATIOT=0.3586E-01 RATIOR= 0.000
           MAX UN= 4.966     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.2853E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3017E+06 RIMNOR=0.3228E+07
           RENORM= 360.9     REMNOR=0.1183E-16 RATIO =0.3459E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 76.10     RMMAX = 240.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3017E+06 RDR   =0.3228E+07
           RATIOT=0.3459E-01 RATIOR= 0.000
           MAX UN= 11.21     IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-1.855     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3017E+06 RIMNOR=0.3228E+07
           RENORM= 6.265     REMNOR=0.2733E-17 RATIO =0.4557E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 76.10     RMMAX = 240.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3017E+06 RDR   =0.3228E+07
           RATIOT=0.4557E-02 RATIOR= 0.000
           MAX UN= 2.477     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.5968E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.3017E+06 RIMNOR=0.3228E+07
           RENORM=0.4414E-01 REMNOR=0.1536E-17 RATIO =0.3825E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 76.10     RMMAX = 240.9
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.3017E+06 RDR   =0.3228E+07
           RATIOT=0.3825E-03 RATIOR= 0.000
           MAX UN=0.2098     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.8191E-02 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.3017E+06 RIMNOR=0.3228E+07
            RENORM=0.1291E-14 REMNOR=0.3056E-17 RATIO =0.6542E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 76.10      RMMAX = 240.9
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.3017E+06 RDR   =0.3228E+07
            RATIOT=0.6542E-10 RATIOR= 0.000
            MAX UN=0.1339E-07 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
            MIN UN=-.1381E-07 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.9251792E-02  -3.1313011E-03
    2   2.8625531E-02  -3.1313011E-03
    3   2.7999272E-02  -3.1312942E-03
    4   2.7373015E-02  -3.1312593E-03
    5   2.6746772E-02  -3.1311615E-03
    6   2.6120558E-02  -3.1309515E-03
    7   2.5494403E-02  -3.1305658E-03
    8   2.4868349E-02  -3.1299267E-03
    9   2.4242455E-02  -3.1289419E-03
   10   2.3616802E-02  -3.1275048E-03
   11   2.2991492E-02  -3.1254941E-03
   12   2.2366652E-02  -3.1227745E-03
   13   2.1742439E-02  -3.1191961E-03
   14   2.1119042E-02  -3.1145950E-03
   15   2.0496681E-02  -3.1087930E-03
   16   1.9875617E-02  -3.1015978E-03
   17   1.9256146E-02  -3.0928028E-03
   18   1.8638615E-02  -3.0821874E-03
   19   1.8023408E-02  -3.0695171E-03
   20   1.7410961E-02  -3.0545429E-03
   21   1.6801765E-02  -3.0370023E-03
   22   1.6196353E-02  -3.0166183E-03
   23   1.5595324E-02  -2.9931288E-03
   24   1.4999323E-02  -2.9663157E-03
   25   1.4409031E-02  -2.9360044E-03
   26   1.3825163E-02  -2.9020638E-03
   27   1.3248456E-02  -2.8644070E-03
   28   1.2679654E-02  -2.8229901E-03
   29   1.2119511E-02  -2.7778134E-03
   30   1.1568776E-02  -2.7289208E-03
   31   1.1028185E-02  -2.6764001E-03
   32   1.0498452E-02  -2.6203828E-03
   33   9.9802557E-03  -2.5610436E-03
   34   9.4742414E-03  -2.4986015E-03
   35   8.9810044E-03  -2.4333192E-03
   36   8.5010827E-03  -2.3655029E-03
   37   8.0349511E-03  -2.2955032E-03
   38   7.5830031E-03  -2.2237131E-03
   39   7.1455582E-03  -2.1505386E-03
   40   6.7228545E-03  -2.0763625E-03
   41   6.3150561E-03  -2.0015427E-03
   42   5.9222580E-03  -1.9264133E-03
   43   5.5444907E-03  -1.8512854E-03
   44   5.1817244E-03  -1.7764489E-03
   45   4.8338755E-03  -1.7021731E-03
   46   4.5008029E-03  -1.6287073E-03
   47   4.1823231E-03  -1.5562831E-03
   48   3.8782060E-03  -1.4851149E-03
   49   3.5881802E-03  -1.4154007E-03
   50   3.3119379E-03  -1.3473238E-03
   51   3.0491318E-03  -1.2810523E-03
   52   2.7993801E-03  -1.2167408E-03
   53   2.5623003E-03  -1.1545389E-03
   54   2.3374276E-03  -1.0945710E-03
   55   2.1243146E-03  -1.0369623E-03
   56   1.9224779E-03  -9.8182486E-04
   57   1.7314130E-03  -9.2926237E-04
   58   1.5505950E-03  -8.7937044E-04
   59   1.3794809E-03  -8.3223750E-04
   60   1.2175106E-03  -7.8794546E-04
   61   1.0641082E-03  -7.4657037E-04
   62   9.1868323E-04  -7.0818308E-04
   63   7.8063496E-04  -6.7279616E-04
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64	6.4936774E-04	-6.4036462E-04
65	5.2429531E-04	-6.1084012E-04
66	4.0484132E-04	-5.8417131E-04
67	2.9044035E-04	-5.6029893E-04
68	1.8054011E-04	-5.3915103E-04
69	7.4604175E-05	-5.2063963E-04
70	-2.7884173E-05	-5.0465474E-04
71	-1.2741746E-04	-4.9106590E-04
72	-2.2446052E-04	-4.7972680E-04
73	-3.1944739E-04	-4.7047588E-04
74	-4.1277833E-04	-4.6313683E-04
75	-5.0481686E-04	-4.5751893E-04
76	-5.9588699E-04	-4.5341737E-04
77	-6.8627032E-04	-4.5061344E-04
78	-7.7620338E-04	-4.4887474E-04
79	-8.6587483E-04	-4.4795522E-04
80	-9.5542278E-04	-4.4759533E-04
81	-1.0449365E-03	-4.4752200E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.9252E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4894     -2.8626E-02   2.296      0.7325       2.296       1.774          ACTIVE   0.000     -0.2000       1.714
1.000       1.000       2.447       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9821     -2.7999E-02   4.645       1.482       4.645       3.436          ACTIVE   0.000     -0.4000       3.429
1.000       1.000       4.910       0.000       0.000     Ug5_2_8_L_0
   4 D   1.479     -2.7373E-02   7.062       2.253       7.062       4.933          ACTIVE   0.000     -0.6000       5.143
1.000       1.000       7.396       0.000       0.000     Ug5_2_8_L_0
   5 D   1.979     -2.6747E-02   9.529       3.040       9.529       6.275          ACTIVE   0.000     -0.8000       6.857
1.000       1.000       9.897       0.000       0.000     Ug5_2_8_L_0
   6 D   2.481     -2.6121E-02   12.02       3.834       12.02       7.498          ACTIVE   0.000      -1.000       8.571
1.000       1.000       12.41       0.000       0.000     Ug5_2_8_L_0
   7 D   2.983     -2.5494E-02   14.51       4.628       14.51       8.636          ACTIVE   0.000      -1.200       10.29
1.000       1.000       14.91       0.000       0.000     Ug5_2_8_L_0
   8 D   3.493     -2.4868E-02   17.14       5.467       17.14       9.720          ACTIVE   0.000      -1.400       12.00
1.000       1.000       17.47       0.000       0.000     Ug5_2_8_L_0
   9 D   4.007     -2.4242E-02   19.81       6.321       19.81       10.77          ACTIVE   0.000      -1.600       13.71
1.000       1.000       20.04       0.000       0.000     Ug5_2_8_L_0
  10 D   4.503     -2.3617E-02   22.21       7.087       22.21       11.79          ACTIVE   0.000      -1.800       15.43
1.000       1.000       22.52       0.000       0.000     Ug5_2_8_L_0
  11 D   5.010     -2.2991E-02   24.79       7.907       24.79       12.80          ACTIVE   0.000      -2.000       17.14
1.000       1.000       25.05       0.000       0.000     Ug5_2_8_L_0
  12 D   5.514     -2.2367E-02   27.31       8.713       27.31       13.80          ACTIVE   0.000      -2.200       18.86
1.000       1.000       27.57       0.000       0.000     Ug5_2_8_L_0
  13 D   6.006     -2.1742E-02   29.65       9.459       29.65       14.79          ACTIVE   0.000      -2.400       20.57
1.000       1.000       30.03       0.000       0.000     Ug5_2_8_L_0
  14 D   6.507     -2.1119E-02   32.13       10.25       32.13       15.78          ACTIVE   0.000      -2.600       22.29
1.000       1.000       32.53       0.000       0.000     Ug5_2_8_L_0
  15 D   7.006     -2.0497E-02   34.58       11.03       34.58       16.77          ACTIVE   0.000      -2.800       24.00
1.000       1.000       35.03       0.000       0.000     Ug5_2_8_L_0
  16 D   7.504     -1.9876E-02   37.01       11.81       37.01       17.75          ACTIVE   0.000      -3.000       25.71
1.000       1.000       37.52       0.000       0.000     Ug5_2_8_L_0
  17 D   7.994     -1.9256E-02   39.31       12.54       39.31       18.73          ACTIVE   0.000      -3.200       27.43
1.000       1.000       39.97       0.000       0.000     Ug5_2_8_L_0
  18 D   8.490     -1.8639E-02   41.72       13.31       41.72       19.71          ACTIVE   0.000      -3.400       29.14
1.000       1.000       42.45       0.000       0.000     Ug5_2_8_L_0
  19 D   8.986     -1.8023E-02   44.12       14.07       44.12       20.69          ACTIVE   0.000      -3.600       30.86
1.000       1.000       44.93       0.000       0.000     Ug5_2_8_L_0
  20 D   9.475     -1.7411E-02   46.40       14.80       46.40       21.67          ACTIVE   0.000      -3.800       32.57
1.000       1.000       47.37       0.000       0.000     Ug5_2_8_L_0
  21 D   9.970     -1.6802E-02   48.79       15.56       48.79       22.66          ACTIVE   0.000      -4.000       34.29
1.000       1.000       49.85       0.000       0.000     Ug5_2_8_L_0
  22 D   10.46     -1.6196E-02   51.16       16.32       51.16       23.64          ACTIVE   0.000      -4.200       36.00
1.000       1.000       52.32       0.000       0.000     Ug5_2_8_L_0
  23 D   10.95     -1.5595E-02   53.44       17.05       53.44       24.62          ACTIVE   0.000      -4.400       37.71
1.000       1.000       54.76       0.000       0.000     Ug5_2_8_L_0
  24 D   11.45     -1.4999E-02   55.80       17.80       55.80       25.60          ACTIVE   0.000      -4.600       39.43
1.000       1.000       57.23       0.000       0.000     Ug5_2_8_L_0
  25 D   11.94     -1.4409E-02   58.16       18.55       58.16       26.59          ACTIVE   0.000      -4.800       41.14
1.000       1.000       59.70       0.000       0.000     Ug5_2_8_L_0
  26 D   12.43     -1.3825E-02   60.51       19.30       60.51       27.57          ACTIVE   0.000      -5.000       42.86
1.000       1.000       62.16       0.000       0.000     Ug5_2_8_L_0
  27 D   12.92     -1.3248E-02   62.78       20.03       62.78       28.55          ACTIVE   0.000      -5.200       44.57
1.000       1.000       64.60       0.000       0.000     Ug5_2_8_L_0
  28 D   13.41     -1.2680E-02   65.13       20.78       65.13       29.54          ACTIVE   0.000      -5.400       46.29
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1.000	1.000	67.06	0.000	0.000	Ug5_2_8_L_0					
29 D	13.90	-1.2120E-02	67.47	21.52	67.47	30.53	ACTIVE	0.000	-5.600	48.00
1.000	1.000	69.52	0.000	0.000	Ug5_2_8_L_0					
30 D	14.39	-1.1569E-02	69.74	22.25	69.74	31.52	ACTIVE	0.000	-5.800	49.71
1.000	1.000	71.96	0.000	0.000	Ug5_2_8_L_0					
31 D	14.88	-1.1028E-02	72.08	22.99	72.08	32.50	ACTIVE	0.000	-6.000	51.43
1.000	1.000	74.42	0.000	0.000	Ug5_2_8_L_0					
32 D	15.38	-1.0498E-02	74.41	23.74	74.41	33.49	ACTIVE	0.000	-6.200	53.14
1.000	1.000	76.88	0.000	0.000	Ug5_2_8_L_0					
33 D	15.86	-9.9803E-03	76.69	24.46	76.69	34.49	ACTIVE	0.000	-6.400	54.86
1.000	1.000	79.32	0.000	0.000	Ug5_2_8_L_0					
34 D	16.36	-9.4742E-03	79.02	25.21	79.02	35.48	ACTIVE	0.000	-6.600	56.57
1.000	1.000	81.78	0.000	0.000	Ug5_2_8_L_0					
35 D	16.85	-8.9810E-03	81.34	25.95	81.34	36.47	ACTIVE	0.000	-6.800	58.29
1.000	1.000	84.23	0.000	0.000	Ug5_2_8_L_0					
36 D	17.34	-8.5011E-03	83.67	26.69	83.67	37.46	ACTIVE	0.000	-7.000	60.00
1.000	1.000	86.69	0.000	0.000	Ug5_2_8_L_0					
37 D	17.83	-8.0350E-03	85.94	27.41	85.94	38.46	ACTIVE	0.000	-7.200	61.71
1.000	1.000	89.13	0.000	0.000	Ug5_2_8_L_0					
38 D	18.32	-7.5830E-03	88.26	28.16	88.26	39.45	ACTIVE	0.000	-7.400	63.43
1.000	1.000	91.58	0.000	0.000	Ug5_2_8_L_0					
39 D	18.81	-7.1456E-03	90.58	28.90	90.58	40.45	ACTIVE	0.000	-7.600	65.14
1.000	1.000	94.04	0.000	0.000	Ug5_2_8_L_0					
40 D	19.30	-6.7229E-03	92.85	29.62	92.85	41.45	ACTIVE	0.000	-7.800	66.86
1.000	1.000	96.48	0.000	0.000	Ug5_2_8_L_0					
41 D	19.79	-6.3151E-03	95.17	30.36	95.17	42.45	ACTIVE	0.000	-8.000	68.57
1.000	1.000	98.93	0.000	0.000	Ug5_2_8_L_0					
42 D	20.28	-5.9223E-03	97.49	31.10	97.49	43.45	ACTIVE	0.000	-8.200	70.29
1.000	1.000	101.4	0.000	0.000	Ug5_2_8_L_0					
43 D	20.76	-5.5445E-03	99.76	31.82	99.76	44.45	ACTIVE	0.000	-8.400	72.00
1.000	1.000	103.8	0.000	0.000	Ug5_2_8_L_0					
44 D	21.26	-5.1817E-03	102.1	32.56	102.1	45.45	ACTIVE	0.000	-8.600	73.71
1.000	1.000	106.3	0.000	0.000	Ug5_2_8_L_0					
45 D	21.75	-4.8339E-03	104.4	33.30	104.4	46.45	ACTIVE	0.000	-8.800	75.43
1.000	1.000	108.7	0.000	0.000	Ug5_2_8_L_0					
46 D	22.24	-4.5008E-03	106.7	34.04	106.7	47.45	ACTIVE	0.000	-9.000	77.14
1.000	1.000	111.2	0.000	0.000	Ug5_2_8_L_0					
47 D	22.72	-4.1823E-03	109.0	34.76	109.0	48.46	ACTIVE	0.000	-9.200	78.86
1.000	1.000	113.6	0.000	0.000	Ug5_2_8_L_0					
48 D	23.21	-3.8782E-03	111.3	35.50	111.3	49.46	ACTIVE	0.000	-9.400	80.57
1.000	1.000	116.1	0.000	0.000	Ug5_2_8_L_0					
49 D	23.70	-3.5882E-03	113.6	36.24	113.6	50.47	ACTIVE	0.000	-9.600	82.29
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0					
50 D	24.19	-3.3119E-03	115.9	36.96	115.9	51.47	ACTIVE	0.000	-9.800	84.00
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0					
51 D	24.68	-3.0491E-03	118.2	37.70	118.2	52.48	ACTIVE	0.000	-10.00	85.71
1.000	1.000	123.4	0.000	0.000	Ug5_2_8_L_0					
52 D	25.17	-2.7994E-03	120.5	38.43	120.5	53.49	ACTIVE	0.000	-10.20	87.43
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0					
53 D	25.66	-2.5623E-03	122.8	39.16	122.8	54.50	ACTIVE	0.000	-10.40	89.14
1.000	1.000	128.3	0.000	0.000	Ug5_2_8_L_0					
54 D	26.15	-2.3374E-03	125.1	39.89	125.1	55.51	ACTIVE	0.000	-10.60	90.86
1.000	1.000	130.8	0.000	0.000	Ug5_2_8_L_0					
55 D	26.64	-2.1243E-03	127.4	40.63	127.4	56.52	ACTIVE	0.000	-10.80	92.57
1.000	1.000	133.2	0.000	0.000	Ug5_2_8_L_0					
56 D	27.13	-1.9225E-03	129.7	41.36	129.7	57.53	ACTIVE	0.000	-11.00	94.29
1.000	1.000	135.7	0.000	0.000	Ug5_2_8_L_0					
57 D	27.62	-1.7314E-03	131.9	42.09	131.9	58.54	ACTIVE	0.000	-11.20	96.00
1.000	1.000	138.1	0.000	0.000	Ug5_2_8_L_0					
58 D	28.11	-1.5506E-03	134.2	42.82	134.2	59.55	ACTIVE	0.000	-11.40	97.71
1.000	1.000	140.5	0.000	0.000	Ug5_2_8_L_0					
59 D	28.60	-1.3795E-03	136.6	43.56	136.6	60.56	ACTIVE	0.000	-11.60	99.43
1.000	1.000	143.0	0.000	0.000	Ug5_2_8_L_0					
60 D	29.09	-1.2175E-03	138.8	44.28	138.8	61.58	ACTIVE	0.000	-11.80	101.1
1.000	1.000	145.4	0.000	0.000	Ug5_2_8_L_0					
61 D	29.58	-1.0641E-03	141.1	45.02	141.1	62.59	ACTIVE	0.000	-12.00	102.9
1.000	1.000	147.9	0.000	0.000	Ug5_2_8_L_0					
62 D	33.20	-9.1868E-04	143.2	61.42	143.2	63.50	ACTIVE	0.000	-12.20	104.6
1.000	1.000	166.0	0.000	0.000	Ug6_741_743_L_0					
63 D	33.74	-7.8063E-04	145.3	62.40	145.3	64.79	ACTIVE	0.000	-12.40	106.3
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0					
64 D	34.27	-6.4937E-04	147.4	63.37	147.4	66.13	ACTIVE	0.000	-12.60	108.0
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					
65 D	34.81	-5.2430E-04	149.5	64.34	149.5	67.42	ACTIVE	0.000	-12.80	109.7
1.000	1.000	174.1	0.000	0.000	Ug6_741_743_L_0					
66 D	35.34	-4.0484E-04	151.5	65.29	151.5	68.52	ACTIVE	0.000	-13.00	111.4
1.000	1.000	176.7	0.000	0.000	Ug6_741_743_L_0					
67 D	35.88	-2.9044E-04	153.6	66.25	153.6	69.59	ACTIVE	0.000	-13.20	113.1
1.000	1.000	179.4	0.000	0.000	Ug6_741_743_L_0					
68 D	36.68	-1.8054E-04	155.6	68.55	155.6	70.67	UL-RL	2.4701E+04	-13.40	114.9
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0					

69	D	37.68	-7.4604E-05	157.7	71.84	157.7	71.90	UL-RL	2.4701E+04	-13.60	116.6
1.000		1.000	188.4	0.000	0.000	Ug6_741_743_L_0					
70	D	38.41	2.7884E-05	159.7	73.75	159.7	73.76	UL-RL	2.4701E+04	-13.80	118.3
1.000		1.000	192.0	0.000	0.000	Ug6_741_743_L_0					
71	D	39.12	1.2742E-04	161.7	75.61	161.7	75.61	V-C	8234.	-14.00	120.0
1.000		1.000	195.6	0.000	0.000	Ug6_741_743_L_0					
72	D	39.83	2.2446E-04	163.8	77.43	163.8	77.43	V-C	8234.	-14.20	121.7
1.000		1.000	199.1	0.000	0.000	Ug6_741_743_L_0					
73	D	40.53	3.1945E-04	165.8	79.23	165.8	79.23	V-C	8234.	-14.40	123.4
1.000		1.000	202.7	0.000	0.000	Ug6_741_743_L_0					
74	D	41.23	4.1278E-04	167.9	81.01	167.9	81.01	V-C	8234.	-14.60	125.1
1.000		1.000	206.2	0.000	0.000	Ug6_741_743_L_0					
75	D	41.93	5.0482E-04	169.9	82.79	169.9	82.79	V-C	8234.	-14.80	126.9
1.000		1.000	209.6	0.000	0.000	Ug6_741_743_L_0					
76	D	42.62	5.9589E-04	172.0	84.55	172.0	84.55	V-C	8234.	-15.00	128.6
1.000		1.000	213.1	0.000	0.000	Ug6_741_743_L_0					
77	D	43.32	6.8627E-04	174.0	86.30	174.0	86.30	V-C	8234.	-15.20	130.3
1.000		1.000	216.6	0.000	0.000	Ug6_741_743_L_0					
78	D	44.01	7.7620E-04	176.1	88.05	176.1	88.05	V-C	8234.	-15.40	132.0
1.000		1.000	220.1	0.000	0.000	Ug6_741_743_L_0					
79	D	44.70	8.6587E-04	178.2	89.80	178.2	89.80	V-C	8234.	-15.60	133.7
1.000		1.000	223.5	0.000	0.000	Ug6_741_743_L_0					
80	D	45.39	9.5542E-04	180.2	91.54	180.2	91.54	V-C	8234.	-15.80	135.4
1.000		1.000	227.0	0.000	0.000	Ug6_741_743_L_0					
81	D	23.04	1.0449E-03	182.3	93.29	182.3	93.29	V-C	8234.	-16.00	137.1
1.000		1.000	230.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      1.6802E-02   0.000       0.000       40.00       43.78       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.027      1.6196E-02   1.714       7.848       42.00       49.25       PASSIVE   0.000       -4.200       2.286
1.000       1.000       10.13       0.000       0.000     Ug5_2_8_L_0
  23 D   4.053      1.5595E-02   3.429       15.70       44.00       57.46       PASSIVE   0.000       -4.400       4.571
1.000       1.000       20.27       0.000       0.000     Ug5_2_8_L_0
  24 D   6.080      1.4999E-02   5.143       23.54       46.00       65.67       PASSIVE   0.000       -4.600       6.857
1.000       1.000       30.40       0.000       0.000     Ug5_2_8_L_0
  25 D   8.107      1.4409E-02   6.857       31.39       48.00       73.88       PASSIVE   0.000       -4.800       9.143
1.000       1.000       40.53       0.000       0.000     Ug5_2_8_L_0
  26 D   10.13      1.3825E-02   8.571       39.24       50.00       82.09       PASSIVE   0.000       -5.000       11.43
1.000       1.000       50.67       0.000       0.000     Ug5_2_8_L_0
  27 D   12.16      1.3248E-02   10.29       47.09       52.00       80.20       PASSIVE   0.000       -5.200       13.71
1.000       1.000       60.80       0.000       0.000     Ug5_2_8_L_0
  28 D   14.19      1.2680E-02   12.00       54.94       54.00       77.91       PASSIVE   0.000       -5.400       16.00
```

1.000	1.000	70.94	0.000	0.000	Ug5_2_8_L_0						
29 D	16.21	1.2120E-02	13.71	62.78	56.00	75.71	PASSIVE	0.000	-5.600	18.29	
1.000	1.000	81.07	0.000	0.000	Ug5_2_8_L_0						
30 D	18.24	1.1569E-02	15.43	70.63	58.00	73.63	PASSIVE	0.000	-5.800	20.57	
1.000	1.000	91.20	0.000	0.000	Ug5_2_8_L_0						
31 D	20.27	1.1028E-02	17.14	78.48	60.00	78.48	PASSIVE	0.000	-6.000	22.86	
1.000	1.000	101.3	0.000	0.000	Ug5_2_8_L_0						
32 D	22.29	1.0498E-02	18.86	86.33	62.00	86.33	PASSIVE	0.000	-6.200	25.14	
1.000	1.000	111.5	0.000	0.000	Ug5_2_8_L_0						
33 D	24.32	9.9803E-03	20.57	94.18	64.00	94.18	PASSIVE	0.000	-6.400	27.43	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
34 D	26.35	9.4742E-03	22.29	102.0	66.00	102.0	PASSIVE	0.000	-6.600	29.71	
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0						
35 D	28.37	8.9810E-03	24.00	109.9	68.00	109.9	PASSIVE	0.000	-6.800	32.00	
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0						
36 D	30.40	8.5011E-03	25.71	117.7	70.00	117.7	PASSIVE	0.000	-7.000	34.29	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
37 D	32.43	8.0350E-03	27.43	125.6	72.00	125.6	PASSIVE	0.000	-7.200	36.57	
1.000	1.000	162.1	0.000	0.000	Ug5_2_8_L_0						
38 D	32.21	7.5830E-03	29.14	122.2	74.00	122.2	V-C	1.0591E+04	-7.400	38.86	
1.000	1.000	161.1	0.000	0.000	Ug5_2_8_L_0						
39 D	31.81	7.1456E-03	30.86	117.9	76.00	117.9	V-C	1.0591E+04	-7.600	41.14	
1.000	1.000	159.0	0.000	0.000	Ug5_2_8_L_0						
40 D	31.44	6.7229E-03	32.57	113.8	78.00	113.8	V-C	1.0591E+04	-7.800	43.43	
1.000	1.000	157.2	0.000	0.000	Ug5_2_8_L_0						
41 D	31.11	6.3151E-03	34.29	109.8	80.00	109.8	V-C	1.0591E+04	-8.000	45.71	
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0						
42 D	30.82	5.9223E-03	36.00	106.1	82.00	106.1	V-C	1.0591E+04	-8.200	48.00	
1.000	1.000	154.1	0.000	0.000	Ug5_2_8_L_0						
43 D	30.57	5.5445E-03	37.71	102.6	84.00	102.6	V-C	1.0591E+04	-8.400	50.29	
1.000	1.000	152.9	0.000	0.000	Ug5_2_8_L_0						
44 D	30.36	5.1817E-03	39.43	99.23	86.00	99.23	V-C	1.0591E+04	-8.600	52.57	
1.000	1.000	151.8	0.000	0.000	Ug5_2_8_L_0						
45 D	30.19	4.8339E-03	41.14	96.08	88.00	96.08	V-C	1.0591E+04	-8.800	54.86	
1.000	1.000	150.9	0.000	0.000	Ug5_2_8_L_0						
46 D	30.05	4.5008E-03	42.86	93.12	90.00	93.12	V-C	1.0591E+04	-9.000	57.14	
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0						
47 D	29.96	4.1823E-03	44.57	90.36	92.00	90.36	V-C	1.0591E+04	-9.200	59.43	
1.000	1.000	149.8	0.000	0.000	Ug5_2_8_L_0						
48 D	29.90	3.8782E-03	46.29	87.77	94.00	87.77	V-C	1.0591E+04	-9.400	61.71	
1.000	1.000	149.5	0.000	0.000	Ug5_2_8_L_0						
49 D	29.87	3.5882E-03	48.00	85.36	96.00	85.36	V-C	1.0591E+04	-9.600	64.00	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
50 D	29.88	3.3119E-03	49.71	83.13	98.00	83.13	V-C	1.0591E+04	-9.800	66.29	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
51 D	29.93	3.0491E-03	51.43	81.07	100.00	81.07	V-C	1.0591E+04	-10.00	68.57	
1.000	1.000	149.6	0.000	0.000	Ug5_2_8_L_0						
52 D	30.01	2.7994E-03	53.14	79.17	102.0	79.17	V-C	1.0591E+04	-10.20	70.86	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
53 D	30.12	2.5623E-03	54.86	77.43	104.0	77.43	V-C	1.0591E+04	-10.40	73.14	
1.000	1.000	150.6	0.000	0.000	Ug5_2_8_L_0						
54 D	30.26	2.3374E-03	56.57	75.85	106.0	75.85	V-C	1.0591E+04	-10.60	75.43	
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
55 D	30.42	2.1243E-03	58.29	74.41	108.0	74.41	V-C	1.0591E+04	-10.80	77.71	
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0						
56 D	30.62	1.9225E-03	60.00	73.11	110.0	73.11	V-C	1.0591E+04	-11.00	80.00	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
57 D	30.84	1.7314E-03	61.71	71.94	112.0	71.94	V-C	1.0591E+04	-11.20	82.29	
1.000	1.000	154.2	0.000	0.000	Ug5_2_8_L_0						
58 D	31.09	1.5506E-03	63.43	70.90	114.0	70.90	V-C	1.0591E+04	-11.40	84.57	
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0						
59 D	31.37	1.3795E-03	65.14	69.97	116.0	69.97	V-C	1.0591E+04	-11.60	86.86	
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0						
60 D	31.66	1.2175E-03	66.86	69.16	118.0	69.16	V-C	1.0591E+04	-11.80	89.14	
1.000	1.000	158.3	0.000	0.000	Ug5_2_8_L_0						
61 D	31.98	1.0641E-03	68.57	68.45	120.0	68.45	V-C	1.0591E+04	-12.00	91.43	
1.000	1.000	159.9	0.000	0.000	Ug5_2_8_L_0						
62 D	31.68	9.1868E-04	70.09	64.69	121.8	64.69	V-C	7686.	-12.20	93.71	
1.000	1.000	158.4	0.000	0.000	Ug6_741_743_L_0						
63 D	32.10	7.8063E-04	71.60	64.48	123.6	64.48	V-C	7686.	-12.40	96.00	
1.000	1.000	160.5	0.000	0.000	Ug6_741_743_L_0						
64 D	32.52	6.4937E-04	73.11	64.32	125.4	64.32	V-C	7686.	-12.60	98.29	
1.000	1.000	162.6	0.000	0.000	Ug6_741_743_L_0						
65 D	32.96	5.2430E-04	74.63	64.21	127.2	64.21	V-C	7686.	-12.80	100.6	
1.000	1.000	164.8	0.000	0.000	Ug6_741_743_L_0						
66 D	33.04	4.0484E-04	76.14	62.32	129.0	65.07	UL-RL	2.3057E+04	-13.00	102.9	
1.000	1.000	165.2	0.000	0.000	Ug6_741_743_L_0						
67 D	33.13	2.9044E-04	77.66	60.51	130.8	65.95	UL-RL	2.3057E+04	-13.20	105.1	
1.000	1.000	165.7	0.000	0.000	Ug6_741_743_L_0						
68 D	33.25	1.8054E-04	79.17	58.81	132.6	66.84	UL-RL	2.3057E+04	-13.40	107.4	
1.000	1.000	166.2	0.000	0.000	Ug6_741_743_L_0						

69 D	33.39	7.4604E-05	80.69	57.21	134.4	67.73	UL-RL	2.3057E+04	-13.60	109.7
1.000	1.000	166.9	0.000	0.000	Ug6_741_743_L_0					
70 D	33.54	-2.7884E-05	82.20	55.70	136.2	68.61	UL-RL	2.3057E+04	-13.80	112.0
1.000	1.000	167.7	0.000	0.000	Ug6_741_743_L_0					
71 D	33.71	-1.2742E-04	83.71	54.26	138.0	69.50	UL-RL	2.3057E+04	-14.00	114.3
1.000	1.000	168.5	0.000	0.000	Ug6_741_743_L_0					
72 D	33.89	-2.2446E-04	85.23	52.88	139.8	70.38	UL-RL	2.3057E+04	-14.20	116.6
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0					
73 D	34.08	-3.1945E-04	86.74	51.56	141.6	71.27	UL-RL	2.3057E+04	-14.40	118.9
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0					
74 D	34.28	-4.1278E-04	88.26	50.27	143.4	72.16	UL-RL	2.3057E+04	-14.60	121.1
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					
75 D	34.49	-5.0482E-04	89.77	49.02	145.2	73.05	UL-RL	2.3057E+04	-14.80	123.4
1.000	1.000	172.4	0.000	0.000	Ug6_741_743_L_0					
76 D	34.70	-5.9589E-04	91.29	47.78	147.0	73.94	UL-RL	2.3057E+04	-15.00	125.7
1.000	1.000	173.5	0.000	0.000	Ug6_741_743_L_0					
77 D	34.91	-6.8627E-04	92.80	46.57	148.8	74.82	UL-RL	2.3057E+04	-15.20	128.0
1.000	1.000	174.6	0.000	0.000	Ug6_741_743_L_0					
78 D	35.13	-7.7620E-04	94.31	45.36	150.6	75.71	UL-RL	2.3057E+04	-15.40	130.3
1.000	1.000	175.7	0.000	0.000	Ug6_741_743_L_0					
79 D	35.35	-8.6587E-04	95.83	44.17	152.4	76.60	UL-RL	2.3057E+04	-15.60	132.6
1.000	1.000	176.7	0.000	0.000	Ug6_741_743_L_0					
80 D	35.57	-9.5542E-04	97.34	42.97	154.2	77.49	UL-RL	2.3057E+04	-15.80	134.9
1.000	1.000	177.8	0.000	0.000	Ug6_741_743_L_0					
81 D	17.89	-1.0449E-03	98.86	41.78	156.0	78.38	UL-RL	2.3057E+04	-16.00	137.1
1.000	1.000	178.9	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-5.69194E-09 5.69194E-09-5.70468E-10-8.82102E-10
    2 0.48936    -0.48936     4.40903E-10 9.78714E-02
    3  1.4714     -1.4714    -9.78714E-02 0.39216
    4  2.9506     -2.9506    -0.39216     0.98228
    5  4.9300     -4.9300    -0.98228      1.9683
    6  7.4110     -7.4110     -1.9683      3.4505
    7  10.394     -10.394     -3.4505      5.5292
    8  13.887     -13.887     -5.5292      8.3067
    9  17.894     -17.894     -8.3067      11.885
   10  22.397     -22.397     -11.885      16.365
   11  27.407     -27.407     -16.365      21.846
   12  32.921     -32.921     -21.846      28.431
   13  38.927     -38.927     -28.431      36.216
   14  45.434     -45.434     -36.216      45.303
   15  52.440     -52.440     -45.303      55.791
   16  59.945     -59.945     -55.791      67.780
   17  67.938     -67.938     -67.780      81.368
   18  76.429     -76.429     -81.368      96.653
   19  85.415     -85.415     -96.653      113.74
   20  94.889     -94.889     -113.74      132.71
   21  104.86     -104.86     -132.71      153.69
   22  113.30     -113.30     -153.69      176.35
   23  120.19     -120.19     -176.35      200.38
   24  125.56     -125.56     -200.38      225.50
   25  129.39     -129.39     -225.50      251.37
   26  131.69     -131.69     -251.37      277.71
   27  132.45     -132.45     -277.71      304.20
   28  131.68     -131.68     -304.20      330.54
   29  129.37     -129.37     -330.54      356.41
   30  125.52     -125.52     -356.41      381.51
   31  120.14     -120.14     -381.51      405.54
   32  113.22     -113.22     -405.54      428.19
   33  104.76     -104.76     -428.19      449.14
   34  94.768     -94.768     -449.14      468.09
   35  83.241     -83.241     -468.09      484.74
   36  70.178     -70.178     -484.74      498.77
   37  55.575     -55.575     -498.77      509.89
   38  41.679     -41.679     -509.89      518.23
   39  28.681     -28.681     -518.23      523.96
   40  16.539     -16.539     -523.96      527.27
   41  5.2155     -5.2155     -527.27      528.31
   42 -5.3282      5.3282     -528.31      527.25
   43 -15.134      15.134     -527.25      524.22
   44 -24.239      24.239     -524.22      519.37
   45 -32.681      32.681     -519.37      512.84
   46 -40.499      40.499     -512.84      504.74
   47 -47.732      47.732     -504.74      495.19
   48 -54.415      54.415     -495.19      484.31
   49 -60.583      60.583     -484.31      472.19
   50 -66.275      66.275     -472.19      458.94
   51 -71.521      71.521     -458.94      444.63
   52 -76.355      76.355     -444.63      429.36
   53 -80.811      80.811     -429.36      413.20
   54 -84.916      84.916     -413.20      396.22
   55 -88.700      88.700     -396.22      378.48
   56 -92.191      92.191     -378.48      360.04
   57 -95.418      95.418     -360.04      340.95
   58 -98.404      98.404     -340.95      321.27
   59 -101.17      101.17     -321.27      301.04
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   60 -103.75      103.75     -301.04      280.29
   61 -106.15      106.15     -280.29      259.06
   62 -104.63      104.63     -259.06      238.13
   63 -102.99      102.99     -238.13      217.54
   64 -101.23      101.23     -217.54      197.29
   65 -99.380      99.380     -197.29      177.41
   66 -97.072      97.072     -177.41      158.00
   67 -94.325      94.325     -158.00      139.13
   68 -90.892      90.892     -139.13      120.96
   69 -86.597      86.597     -120.96      103.64
   70 -81.729      81.729     -103.64      87.290
   71 -76.317      76.317     -87.290      72.027
   72 -70.380      70.380     -72.027      57.951
   73 -63.931      63.931     -57.951      45.164
   74 -56.982      56.982     -45.164      33.768
   75 -49.542      49.542     -33.768      23.860
   76 -41.618      41.618     -23.860      15.536
   77 -33.214      33.214     -15.536      8.8931
   78 -24.334      24.334     -8.8931      4.0262
   79 -14.980      14.980     -4.0262      1.0303
   80 -5.1511      5.1511     -1.0303    1.87285E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1044E+07 RIMNOR=0.1478E+08
           RENORM= 444.0     REMNOR=0.3056E-17 RATIO =0.2063E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 132.5     RMMAX = 528.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1044E+07 RDR   =0.1478E+08
           RATIOT=0.2063E-01 RATIOR= 0.000
           MAX UN= 5.319     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.8312E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1044E+07 RIMNOR=0.1478E+08
           RENORM= 182.1     REMNOR=0.2489E-17 RATIO =0.1321E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 132.5     RMMAX = 528.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1044E+07 RDR   =0.1478E+08
           RATIOT=0.1321E-01 RATIOR= 0.000
           MAX UN= 2.842     IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.9310E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1044E+07 RIMNOR=0.1478E+08
           RENORM= 480.6     REMNOR=0.3134E-17 RATIO =0.2146E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 132.5     RMMAX = 528.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1044E+07 RDR   =0.1478E+08
           RATIOT=0.2146E-01 RATIOR= 0.000
           MAX UN= 15.47     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.7587     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1044E+07 RIMNOR=0.1478E+08
           RENORM= 101.6     REMNOR=0.2640E-16 RATIO =0.9869E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 132.5     RMMAX = 528.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1044E+07 RDR   =0.1478E+08
           RATIOT=0.9869E-02 RATIOR= 0.000
           MAX UN= 6.572     IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-4.025     IEQ=   157 NODE     79 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1044E+07 RIMNOR=0.1478E+08
           RENORM= 2.249     REMNOR=0.9421E-17 RATIO =0.1468E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 132.5     RMMAX = 528.3
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1044E+07 RDR   =0.1478E+08
           RATIOT=0.1468E-02 RATIOR= 0.000
           MAX UN=0.7203     IEQ=   131 NODE     66 DOF   1  Y-DISPL.F
           MIN UN=-1.216     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1044E+07 RIMNOR=0.1478E+08
            RENORM=0.1746E-14 REMNOR=0.1154E-16 RATIO =0.4090E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 132.5      RMMAX = 528.3
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1044E+07 RDR   =0.1478E+08
            RATIOT=0.4090E-10 RATIOR= 0.000
            MAX UN=0.1303E-07 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
            MIN UN=-.1674E-07 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.1359735E-02  -5.0006548E-03
    2   5.0359604E-02  -5.0006548E-03
    3   4.9359474E-02  -5.0006479E-03
    4   4.8359347E-02  -5.0006134E-03
    5   4.7359233E-02  -5.0005167E-03
    6   4.6359148E-02  -5.0003091E-03
    7   4.5359121E-02  -4.9999279E-03
    8   4.4359193E-02  -4.9992961E-03
    9   4.3359425E-02  -4.9983226E-03
   10   4.2359894E-02  -4.9969019E-03
   11   4.1360702E-02  -4.9949142E-03
   12   4.0361975E-02  -4.9922256E-03
   13   3.9363868E-02  -4.9886880E-03
   14   3.8366567E-02  -4.9841392E-03
   15   3.7370292E-02  -4.9784032E-03
   16   3.6375298E-02  -4.9712898E-03
   17   3.5381876E-02  -4.9625947E-03
   18   3.4390375E-02  -4.9520999E-03
   19   3.3401172E-02  -4.9395734E-03
   20   3.2414697E-02  -4.9247692E-03
   21   3.1431438E-02  -4.9074276E-03
   22   3.0451919E-02  -4.8872748E-03
   23   2.9476735E-02  -4.8640232E-03
   24   2.8506536E-02  -4.8373717E-03
   25   2.7542033E-02  -4.8070190E-03
   26   2.6583993E-02  -4.7726930E-03
   27   2.5633241E-02  -4.7341647E-03
   28   2.4690625E-02  -4.6912474E-03
   29   2.3757044E-02  -4.6437982E-03
   30   2.2833414E-02  -4.5917170E-03
   31   2.1920670E-02  -4.5349465E-03
   32   2.1019754E-02  -4.4734732E-03
   33   2.0131597E-02  -4.4073254E-03
   34   1.9257130E-02  -4.3365755E-03
   35   1.8397265E-02  -4.2613386E-03
   36   1.7552884E-02  -4.1817729E-03
   37   1.6724836E-02  -4.0980799E-03
   38   1.5913915E-02  -4.0105032E-03
   39   1.5120874E-02  -3.9193304E-03
   40   1.4346400E-02  -3.8248921E-03
   41   1.3591110E-02  -3.7275615E-03
   42   1.2855541E-02  -3.6277554E-03
   43   1.2140142E-02  -3.5259333E-03
   44   1.1445268E-02  -3.4225979E-03
   45   1.0771171E-02  -3.3182955E-03
   46   1.0117981E-02  -3.2135760E-03
   47   9.4857338E-03  -3.1089572E-03
   48   8.8743594E-03  -3.0049224E-03
   49   8.2836958E-03  -2.9019229E-03
   50   7.7134961E-03  -2.8003791E-03
   51   7.1634240E-03  -2.7006804E-03
   52   6.6330637E-03  -2.6031870E-03
   53   6.1219912E-03  -2.5082435E-03
   54   5.6296022E-03  -2.4161472E-03
   55   5.1553232E-03  -2.3271877E-03
   56   4.6985005E-03  -2.2416267E-03
   57   4.2584301E-03  -2.1597032E-03
   58   3.8343622E-03  -2.0816357E-03
   59   3.4255055E-03  -2.0076224E-03
   60   3.0310310E-03  -1.9378426E-03
   61   2.6500755E-03  -1.8724573E-03
   62   2.2817455E-03  -1.8116106E-03
   63   1.9251245E-03  -1.7553655E-03
```

64	1.5792935E-03	-1.7037065E-03
65	1.2433381E-03	-1.6566049E-03
66	9.1635082E-04	-1.6140148E-03
67	5.9743575E-04	-1.5758707E-03
68	2.8571163E-04	-1.5420902E-03
69	-1.9684082E-05	-1.5125660E-03
70	-3.1958871E-04	-1.4871510E-03
71	-6.1480561E-04	-1.4656531E-03
72	-9.0609547E-04	-1.4478379E-03
73	-1.1941677E-03	-1.4334265E-03
74	-1.4796715E-03	-1.4220968E-03
75	-1.7631886E-03	-1.4135000E-03
76	-2.0452298E-03	-1.4072771E-03
77	-2.3262331E-03	-1.4030585E-03
78	-2.6065614E-03	-1.4004639E-03
79	-2.8865009E-03	-1.3991029E-03
80	-3.1662581E-03	-1.3985746E-03
81	-3.4459728E-03	-1.3984680E-03

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -5.1360E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4837     -5.0360E-02   2.338      0.7458       2.338       1.774          ACTIVE   0.000     -0.2000       1.673
1.000       1.000       2.418       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9708     -4.9359E-02   4.728       1.508       4.728       3.436          ACTIVE   0.000     -0.4000       3.345
1.000       1.000       4.854       0.000       0.000     Ug5_2_8_L_0
   4 D   1.462     -4.8359E-02   7.187       2.293       7.187       4.933          ACTIVE   0.000     -0.6000       5.018
1.000       1.000       7.311       0.000       0.000     Ug5_2_8_L_0
   5 D   1.957     -4.7359E-02   9.696       3.093       9.696       6.275          ACTIVE   0.000     -0.8000       6.691
1.000       1.000       9.784       0.000       0.000     Ug5_2_8_L_0
   6 D   2.453     -4.6359E-02   12.23       3.900       12.23       7.498          ACTIVE   0.000      -1.000       8.364
1.000       1.000       12.26       0.000       0.000     Ug5_2_8_L_0
   7 D   2.949     -4.5359E-02   14.76       4.708       14.76       8.636          ACTIVE   0.000      -1.200       10.04
1.000       1.000       14.74       0.000       0.000     Ug5_2_8_L_0
   8 D   3.454     -4.4359E-02   17.43       5.559       17.43       9.720          ACTIVE   0.000      -1.400       11.71
1.000       1.000       17.27       0.000       0.000     Ug5_2_8_L_0
   9 D   3.962     -4.3359E-02   20.15       6.427       20.15       10.77          ACTIVE   0.000      -1.600       13.38
1.000       1.000       19.81       0.000       0.000     Ug5_2_8_L_0
  10 D   4.452     -4.2360E-02   22.59       7.206       22.59       11.79          ACTIVE   0.000      -1.800       15.05
1.000       1.000       22.26       0.000       0.000     Ug5_2_8_L_0
  11 D   4.953     -4.1361E-02   25.20       8.040       25.20       12.80          ACTIVE   0.000      -2.000       16.73
1.000       1.000       24.77       0.000       0.000     Ug5_2_8_L_0
  12 D   5.452     -4.0362E-02   27.77       8.859       27.77       13.80          ACTIVE   0.000      -2.200       18.40
1.000       1.000       27.26       0.000       0.000     Ug5_2_8_L_0
  13 D   5.938     -3.9364E-02   30.15       9.618       30.15       14.79          ACTIVE   0.000      -2.400       20.07
1.000       1.000       29.69       0.000       0.000     Ug5_2_8_L_0
  14 D   6.433     -3.8367E-02   32.67       10.42       32.67       15.78          ACTIVE   0.000      -2.600       21.75
1.000       1.000       32.17       0.000       0.000     Ug5_2_8_L_0
  15 D   6.927     -3.7370E-02   35.16       11.22       35.16       16.77          ACTIVE   0.000      -2.800       23.42
1.000       1.000       34.63       0.000       0.000     Ug5_2_8_L_0
  16 D   7.419     -3.6375E-02   37.64       12.01       37.64       17.75          ACTIVE   0.000      -3.000       25.09
1.000       1.000       37.10       0.000       0.000     Ug5_2_8_L_0
  17 D   7.903     -3.5382E-02   39.98       12.75       39.98       18.73          ACTIVE   0.000      -3.200       26.76
1.000       1.000       39.52       0.000       0.000     Ug5_2_8_L_0
  18 D   8.394     -3.4390E-02   42.43       13.53       42.43       19.71          ACTIVE   0.000      -3.400       28.44
1.000       1.000       41.97       0.000       0.000     Ug5_2_8_L_0
  19 D   8.884     -3.3401E-02   44.86       14.31       44.86       20.69          ACTIVE   0.000      -3.600       30.11
1.000       1.000       44.42       0.000       0.000     Ug5_2_8_L_0
  20 D   9.367     -3.2415E-02   47.19       15.05       47.19       21.67          ACTIVE   0.000      -3.800       31.78
1.000       1.000       46.84       0.000       0.000     Ug5_2_8_L_0
  21 D   9.856     -3.1431E-02   49.62       15.83       49.62       22.66          ACTIVE   0.000      -4.000       33.45
1.000       1.000       49.28       0.000       0.000     Ug5_2_8_L_0
  22 D   10.35     -3.0452E-02   52.03       16.60       52.03       23.64          ACTIVE   0.000      -4.200       35.13
1.000       1.000       51.73       0.000       0.000     Ug5_2_8_L_0
  23 D   10.83     -2.9477E-02   54.35       17.34       54.35       24.62          ACTIVE   0.000      -4.400       36.80
1.000       1.000       54.14       0.000       0.000     Ug5_2_8_L_0
  24 D   11.32     -2.8507E-02   56.76       18.11       56.76       25.60          ACTIVE   0.000      -4.600       38.47
1.000       1.000       56.58       0.000       0.000     Ug5_2_8_L_0
  25 D   11.80     -2.7542E-02   59.16       18.87       59.16       26.59          ACTIVE   0.000      -4.800       40.15
1.000       1.000       59.02       0.000       0.000     Ug5_2_8_L_0
  26 D   12.29     -2.6584E-02   61.55       19.63       61.55       27.57          ACTIVE   0.000      -5.000       41.82
1.000       1.000       61.45       0.000       0.000     Ug5_2_8_L_0
  27 D   12.77     -2.5633E-02   63.87       20.37       63.87       28.55          ACTIVE   0.000      -5.200       43.49
1.000       1.000       63.86       0.000       0.000     Ug5_2_8_L_0
  28 D   13.26     -2.4691E-02   66.25       21.13       66.25       29.54          ACTIVE   0.000      -5.400       45.16
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1.000	1.000	66.30	0.000	0.000	Ug5_2_8_L_0					
29 D	13.75	-2.3757E-02	68.63	21.89	68.63	30.53	ACTIVE	0.000	-5.600	46.84
1.000	1.000	68.73	0.000	0.000	Ug5_2_8_L_0					
30 D	14.23	-2.2833E-02	70.95	22.63	70.95	31.52	ACTIVE	0.000	-5.800	48.51
1.000	1.000	71.14	0.000	0.000	Ug5_2_8_L_0					
31 D	14.71	-2.1921E-02	73.33	23.39	73.33	32.50	ACTIVE	0.000	-6.000	50.18
1.000	1.000	73.57	0.000	0.000	Ug5_2_8_L_0					
32 D	15.20	-2.1020E-02	75.70	24.15	75.70	33.49	ACTIVE	0.000	-6.200	51.85
1.000	1.000	76.00	0.000	0.000	Ug5_2_8_L_0					
33 D	15.68	-2.0132E-02	78.02	24.89	78.02	34.49	ACTIVE	0.000	-6.400	53.53
1.000	1.000	78.41	0.000	0.000	Ug5_2_8_L_0					
34 D	16.17	-1.9257E-02	80.39	25.64	80.39	35.48	ACTIVE	0.000	-6.600	55.20
1.000	1.000	80.84	0.000	0.000	Ug5_2_8_L_0					
35 D	16.65	-1.8397E-02	82.76	26.40	82.76	36.47	ACTIVE	0.000	-6.800	56.87
1.000	1.000	83.27	0.000	0.000	Ug5_2_8_L_0					
36 D	17.14	-1.7553E-02	85.12	27.15	85.12	37.46	ACTIVE	0.000	-7.000	58.55
1.000	1.000	85.70	0.000	0.000	Ug5_2_8_L_0					
37 D	17.62	-1.6725E-02	87.43	27.89	87.43	38.46	ACTIVE	0.000	-7.200	60.22
1.000	1.000	88.11	0.000	0.000	Ug5_2_8_L_0					
38 D	18.11	-1.5914E-02	89.80	28.65	89.80	39.45	ACTIVE	0.000	-7.400	61.89
1.000	1.000	90.54	0.000	0.000	Ug5_2_8_L_0					
39 D	18.59	-1.5121E-02	92.16	29.40	92.16	40.45	ACTIVE	0.000	-7.600	63.56
1.000	1.000	92.96	0.000	0.000	Ug5_2_8_L_0					
40 D	19.07	-1.4346E-02	94.47	30.14	94.47	41.45	ACTIVE	0.000	-7.800	65.24
1.000	1.000	95.37	0.000	0.000	Ug5_2_8_L_0					
41 D	19.56	-1.3591E-02	96.83	30.89	96.83	42.45	ACTIVE	0.000	-8.000	66.91
1.000	1.000	97.80	0.000	0.000	Ug5_2_8_L_0					
42 D	20.04	-1.2856E-02	99.19	31.64	99.19	43.45	ACTIVE	0.000	-8.200	68.58
1.000	1.000	100.2	0.000	0.000	Ug5_2_8_L_0					
43 D	20.53	-1.2140E-02	101.5	32.38	101.5	44.45	ACTIVE	0.000	-8.400	70.25
1.000	1.000	102.6	0.000	0.000	Ug5_2_8_L_0					
44 D	21.01	-1.1445E-02	103.9	33.13	103.9	45.45	ACTIVE	0.000	-8.600	71.93
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0					
45 D	21.50	-1.0771E-02	106.2	33.88	106.2	46.45	ACTIVE	0.000	-8.800	73.60
1.000	1.000	107.5	0.000	0.000	Ug5_2_8_L_0					
46 D	21.98	-1.0118E-02	108.6	34.63	108.6	47.45	ACTIVE	0.000	-9.000	75.27
1.000	1.000	109.9	0.000	0.000	Ug5_2_8_L_0					
47 D	22.46	-9.4857E-03	110.9	35.37	110.9	48.46	ACTIVE	0.000	-9.200	76.95
1.000	1.000	112.3	0.000	0.000	Ug5_2_8_L_0					
48 D	22.95	-8.8744E-03	113.2	36.12	113.2	49.46	ACTIVE	0.000	-9.400	78.62
1.000	1.000	114.7	0.000	0.000	Ug5_2_8_L_0					
49 D	23.43	-8.2837E-03	115.6	36.87	115.6	50.47	ACTIVE	0.000	-9.600	80.29
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0					
50 D	23.91	-7.7135E-03	117.9	37.61	117.9	51.47	ACTIVE	0.000	-9.800	81.96
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0					
51 D	24.40	-7.1634E-03	120.2	38.36	120.2	52.48	ACTIVE	0.000	-10.00	83.64
1.000	1.000	122.0	0.000	0.000	Ug5_2_8_L_0					
52 D	24.88	-6.6331E-03	122.6	39.11	122.6	53.49	ACTIVE	0.000	-10.20	85.31
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0					
53 D	25.37	-6.1220E-03	124.9	39.85	124.9	54.50	ACTIVE	0.000	-10.40	86.98
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0					
54 D	25.85	-5.6296E-03	127.3	40.60	127.3	55.51	ACTIVE	0.000	-10.60	88.65
1.000	1.000	129.3	0.000	0.000	Ug5_2_8_L_0					
55 D	26.33	-5.1553E-03	129.6	41.35	129.6	56.52	ACTIVE	0.000	-10.80	90.33
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0					
56 D	26.82	-4.6985E-03	132.0	42.09	132.0	57.53	ACTIVE	0.000	-11.00	92.00
1.000	1.000	134.1	0.000	0.000	Ug5_2_8_L_0					
57 D	27.30	-4.2584E-03	134.3	42.83	134.3	58.54	ACTIVE	0.000	-11.20	93.67
1.000	1.000	136.5	0.000	0.000	Ug5_2_8_L_0					
58 D	27.79	-3.8344E-03	136.6	43.58	136.6	59.55	ACTIVE	0.000	-11.40	95.35
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0					
59 D	28.27	-3.4255E-03	139.0	44.33	139.0	60.56	ACTIVE	0.000	-11.60	97.02
1.000	1.000	141.3	0.000	0.000	Ug5_2_8_L_0					
60 D	28.75	-3.0310E-03	141.3	45.07	141.3	61.58	ACTIVE	0.000	-11.80	98.69
1.000	1.000	143.8	0.000	0.000	Ug5_2_8_L_0					
61 D	29.24	-2.6501E-03	143.6	45.81	143.6	62.59	ACTIVE	0.000	-12.00	100.4
1.000	1.000	146.2	0.000	0.000	Ug5_2_8_L_0					
62 D	32.93	-2.2817E-03	145.8	62.61	145.8	63.50	ACTIVE	0.000	-12.20	102.0
1.000	1.000	164.6	0.000	0.000	Ug6_741_743_L_0					
63 D	33.46	-1.9251E-03	147.9	63.61	147.9	64.79	ACTIVE	0.000	-12.40	103.7
1.000	1.000	167.3	0.000	0.000	Ug6_741_743_L_0					
64 D	34.07	-1.5793E-03	150.0	64.94	150.0	66.13	UL-RL	2.1956E+04	-12.60	105.4
1.000	1.000	170.3	0.000	0.000	Ug6_741_743_L_0					
65 D	34.81	-1.2433E-03	152.1	66.99	152.1	67.42	UL-RL	2.1956E+04	-12.80	107.1
1.000	1.000	174.0	0.000	0.000	Ug6_741_743_L_0					
66 D	35.48	-9.1635E-04	154.2	68.69	154.2	68.69	V-C	7319.	-13.00	108.7
1.000	1.000	177.4	0.000	0.000	Ug6_741_743_L_0					
67 D	36.10	-5.9744E-04	156.3	70.09	156.3	70.09	V-C	7319.	-13.20	110.4
1.000	1.000	180.5	0.000	0.000	Ug6_741_743_L_0					
68 D	36.86	-2.8571E-04	158.4	72.21	158.4	72.21	V-C	7319.	-13.40	112.1
1.000	1.000	184.3	0.000	0.000	Ug6_741_743_L_0					

69 D	37.81	1.9684E-05	160.5	75.31	160.5	75.31	V-C	7319.	-13.60	113.7
1.000	1.000	189.1	0.000	0.000	Ug6_741_743_L_0					
70 D	38.68	3.1959E-04	162.6	77.97	162.6	77.97	V-C	7319.	-13.80	115.4
1.000	1.000	193.4	0.000	0.000	Ug6_741_743_L_0					
71 D	39.54	6.1481E-04	164.7	80.63	164.7	80.63	V-C	7319.	-14.00	117.1
1.000	1.000	197.7	0.000	0.000	Ug6_741_743_L_0					
72 D	40.53	9.0610E-04	166.7	83.89	166.7	83.89	V-C	7319.	-14.20	118.8
1.000	1.000	202.7	0.000	0.000	Ug6_741_743_L_0					
73 D	41.51	1.1942E-03	168.8	87.13	168.8	87.13	V-C	7319.	-14.40	120.4
1.000	1.000	207.6	0.000	0.000	Ug6_741_743_L_0					
74 D	42.49	1.4797E-03	170.9	90.34	170.9	90.34	V-C	7319.	-14.60	122.1
1.000	1.000	212.4	0.000	0.000	Ug6_741_743_L_0					
75 D	43.46	1.7632E-03	173.0	93.53	173.0	93.53	V-C	7319.	-14.80	123.8
1.000	1.000	217.3	0.000	0.000	Ug6_741_743_L_0					
76 D	44.43	2.0452E-03	175.1	96.71	175.1	96.71	V-C	7319.	-15.00	125.5
1.000	1.000	222.2	0.000	0.000	Ug6_741_743_L_0					
77 D	45.40	2.3262E-03	177.2	99.88	177.2	99.88	V-C	7319.	-15.20	127.1
1.000	1.000	227.0	0.000	0.000	Ug6_741_743_L_0					
78 D	46.37	2.6066E-03	179.3	103.0	179.3	103.0	V-C	7319.	-15.40	128.8
1.000	1.000	231.8	0.000	0.000	Ug6_741_743_L_0					
79 D	47.34	2.8865E-03	181.4	106.2	181.4	106.2	V-C	7319.	-15.60	130.5
1.000	1.000	236.7	0.000	0.000	Ug6_741_743_L_0					
80 D	48.30	3.1663E-03	183.5	109.4	183.5	109.4	V-C	7319.	-15.80	132.1
1.000	1.000	241.5	0.000	0.000	Ug6_741_743_L_0					
81 D	24.63	3.4460E-03	185.6	112.5	185.6	112.5	V-C	7319.	-16.00	133.8
1.000	1.000	246.3	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D  0.9985      2.8507E-02  0.8364      3.829       46.00       65.67       PASSIVE   0.000      -4.600       1.164
1.000       1.000       4.993       0.000       0.000     Ug5_2_8_L_0
  25 D   2.996      2.7542E-02   2.509      11.49       48.00       73.88       PASSIVE   0.000      -4.800       3.491
1.000       1.000       14.98       0.000       0.000     Ug5_2_8_L_0
  26 D   4.993      2.6584E-02   4.182      19.14       50.00       82.09       PASSIVE   0.000      -5.000       5.818
1.000       1.000       24.96       0.000       0.000     Ug5_2_8_L_0
  27 D   6.990      2.5633E-02   5.855      26.80       52.00       80.20       PASSIVE   0.000      -5.200       8.145
1.000       1.000       34.95       0.000       0.000     Ug5_2_8_L_0
  28 D   8.987      2.4691E-02   7.527      34.46       54.00       77.91       PASSIVE   0.000      -5.400       10.47
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1.000	1.000	44.93	0.000	0.000	Ug5_2_8_L_0						
29 D	10.98	2.3757E-02	9.200	42.12	56.00	75.71	PASSIVE	0.000	-5.600	12.80	
1.000	1.000	54.92	0.000	0.000	Ug5_2_8_L_0						
30 D	12.98	2.2833E-02	10.87	49.78	58.00	73.63	PASSIVE	0.000	-5.800	15.13	
1.000	1.000	64.90	0.000	0.000	Ug5_2_8_L_0						
31 D	14.98	2.1921E-02	12.55	57.43	60.00	78.48	PASSIVE	0.000	-6.000	17.45	
1.000	1.000	74.89	0.000	0.000	Ug5_2_8_L_0						
32 D	16.97	2.1020E-02	14.22	65.09	62.00	86.33	PASSIVE	0.000	-6.200	19.78	
1.000	1.000	84.87	0.000	0.000	Ug5_2_8_L_0						
33 D	18.97	2.0132E-02	15.89	72.75	64.00	94.18	PASSIVE	0.000	-6.400	22.11	
1.000	1.000	94.86	0.000	0.000	Ug5_2_8_L_0						
34 D	20.97	1.9257E-02	17.56	80.41	66.00	102.0	PASSIVE	0.000	-6.600	24.44	
1.000	1.000	104.8	0.000	0.000	Ug5_2_8_L_0						
35 D	22.97	1.8397E-02	19.24	88.06	68.00	109.9	PASSIVE	0.000	-6.800	26.76	
1.000	1.000	114.8	0.000	0.000	Ug5_2_8_L_0						
36 D	24.96	1.7553E-02	20.91	95.72	70.00	117.7	PASSIVE	0.000	-7.000	29.09	
1.000	1.000	124.8	0.000	0.000	Ug5_2_8_L_0						
37 D	26.96	1.6725E-02	22.58	103.4	72.00	125.6	PASSIVE	0.000	-7.200	31.42	
1.000	1.000	134.8	0.000	0.000	Ug5_2_8_L_0						
38 D	28.96	1.5914E-02	24.25	111.0	74.00	122.2	PASSIVE	0.000	-7.400	33.75	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
39 D	30.95	1.5121E-02	25.93	118.7	76.00	118.7	PASSIVE	0.000	-7.600	36.07	
1.000	1.000	154.8	0.000	0.000	Ug5_2_8_L_0						
40 D	32.95	1.4346E-02	27.60	126.4	78.00	126.4	PASSIVE	0.000	-7.800	38.40	
1.000	1.000	164.8	0.000	0.000	Ug5_2_8_L_0						
41 D	34.95	1.3591E-02	29.27	134.0	80.00	134.0	PASSIVE	0.000	-8.000	40.73	
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0						
42 D	36.94	1.2856E-02	30.95	141.7	82.00	141.7	PASSIVE	0.000	-8.200	43.05	
1.000	1.000	184.7	0.000	0.000	Ug5_2_8_L_0						
43 D	38.94	1.2140E-02	32.62	149.3	84.00	149.3	PASSIVE	0.000	-8.400	45.38	
1.000	1.000	194.7	0.000	0.000	Ug5_2_8_L_0						
44 D	40.94	1.1445E-02	34.29	157.0	86.00	157.0	PASSIVE	0.000	-8.600	47.71	
1.000	1.000	204.7	0.000	0.000	Ug5_2_8_L_0						
45 D	40.27	1.0771E-02	35.96	151.3	88.00	151.3	V-C	9414.	-8.800	50.04	
1.000	1.000	201.4	0.000	0.000	Ug5_2_8_L_0						
46 D	39.54	1.0118E-02	37.64	145.4	90.00	145.4	V-C	9414.	-9.000	52.36	
1.000	1.000	197.7	0.000	0.000	Ug5_2_8_L_0						
47 D	38.86	9.4857E-03	39.31	139.6	92.00	139.6	V-C	9414.	-9.200	54.69	
1.000	1.000	194.3	0.000	0.000	Ug5_2_8_L_0						
48 D	38.23	8.8744E-03	40.98	134.2	94.00	134.2	V-C	9414.	-9.400	57.02	
1.000	1.000	191.2	0.000	0.000	Ug5_2_8_L_0						
49 D	37.65	8.2837E-03	42.65	128.9	96.00	128.9	V-C	9414.	-9.600	59.35	
1.000	1.000	188.3	0.000	0.000	Ug5_2_8_L_0						
50 D	37.12	7.7135E-03	44.33	123.9	98.00	123.9	V-C	9414.	-9.800	61.67	
1.000	1.000	185.6	0.000	0.000	Ug5_2_8_L_0						
51 D	36.63	7.1634E-03	46.00	119.2	100.00	119.2	V-C	9414.	-10.00	64.00	
1.000	1.000	183.2	0.000	0.000	Ug5_2_8_L_0						
52 D	36.19	6.6331E-03	47.67	114.6	102.0	114.6	V-C	9414.	-10.20	66.33	
1.000	1.000	180.9	0.000	0.000	Ug5_2_8_L_0						
53 D	35.79	6.1220E-03	49.35	110.3	104.0	110.3	V-C	9414.	-10.40	68.65	
1.000	1.000	179.0	0.000	0.000	Ug5_2_8_L_0						
54 D	35.43	5.6296E-03	51.02	106.2	106.0	106.2	V-C	9414.	-10.60	70.98	
1.000	1.000	177.2	0.000	0.000	Ug5_2_8_L_0						
55 D	35.12	5.1553E-03	52.69	102.3	108.0	102.3	V-C	9414.	-10.80	73.31	
1.000	1.000	175.6	0.000	0.000	Ug5_2_8_L_0						
56 D	34.84	4.6985E-03	54.36	98.59	110.0	98.59	V-C	9414.	-11.00	75.64	
1.000	1.000	174.2	0.000	0.000	Ug5_2_8_L_0						
57 D	34.61	4.2584E-03	56.04	95.08	112.0	95.08	V-C	9414.	-11.20	77.96	
1.000	1.000	173.0	0.000	0.000	Ug5_2_8_L_0						
58 D	34.41	3.8344E-03	57.71	91.74	114.0	91.74	V-C	9414.	-11.40	80.29	
1.000	1.000	172.0	0.000	0.000	Ug5_2_8_L_0						
59 D	34.24	3.4255E-03	59.38	88.58	116.0	88.58	V-C	9414.	-11.60	82.62	
1.000	1.000	171.2	0.000	0.000	Ug5_2_8_L_0						
60 D	34.10	3.0310E-03	61.05	85.58	118.0	85.58	V-C	9414.	-11.80	84.95	
1.000	1.000	170.5	0.000	0.000	Ug5_2_8_L_0						
61 D	34.00	2.6501E-03	62.73	82.72	120.0	82.72	V-C	9414.	-12.00	87.27	
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0						
62 D	32.59	2.2817E-03	64.20	73.34	121.8	73.34	V-C	6832.	-12.20	89.60	
1.000	1.000	162.9	0.000	0.000	Ug6_741_743_L_0						
63 D	32.71	1.9251E-03	65.67	71.63	123.6	71.63	V-C	6832.	-12.40	91.93	
1.000	1.000	163.6	0.000	0.000	Ug6_741_743_L_0						
64 D	32.81	1.5793E-03	67.15	69.79	125.4	70.11	UL-RL	2.0495E+04	-12.60	94.25	
1.000	1.000	164.0	0.000	0.000	Ug6_741_743_L_0						
65 D	32.83	1.2433E-03	68.62	67.58	127.2	68.90	UL-RL	2.0495E+04	-12.80	96.58	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						
66 D	32.87	9.1635E-04	70.09	65.44	129.0	67.75	UL-RL	2.0495E+04	-13.00	98.91	
1.000	1.000	164.3	0.000	0.000	Ug6_741_743_L_0						
67 D	32.92	5.9744E-04	71.56	63.35	130.8	66.67	UL-RL	2.0495E+04	-13.20	101.2	
1.000	1.000	164.6	0.000	0.000	Ug6_741_743_L_0						
68 D	32.50	2.8571E-04	73.04	58.94	132.6	66.84	UL-RL	2.0495E+04	-13.40	103.6	
1.000	1.000	162.5	0.000	0.000	Ug6_741_743_L_0						

69 D	31.83	-1.9684E-05	74.51	53.25	134.4	67.73	UL-RL	2.0495E+04	-13.60	105.9
1.000	1.000	159.1	0.000	0.000	Ug6_741_743_L_0					
70 D	31.18	-3.1959E-04	75.98	47.68	136.2	68.61	UL-RL	2.0495E+04	-13.80	108.2
1.000	1.000	155.9	0.000	0.000	Ug6_741_743_L_0					
71 D	30.55	-6.1481E-04	77.45	42.22	138.0	69.50	UL-RL	2.0495E+04	-14.00	110.5
1.000	1.000	152.8	0.000	0.000	Ug6_741_743_L_0					
72 D	29.95	-9.0610E-04	78.93	36.86	139.8	70.38	UL-RL	2.0495E+04	-14.20	112.9
1.000	1.000	149.7	0.000	0.000	Ug6_741_743_L_0					
73 D	29.46	-1.1942E-03	80.40	32.08	141.6	71.27	ACTIVE	0.000	-14.40	115.2
1.000	1.000	147.3	0.000	0.000	Ug6_741_743_L_0					
74 D	30.06	-1.4797E-03	81.87	32.77	143.4	72.16	ACTIVE	0.000	-14.60	117.5
1.000	1.000	150.3	0.000	0.000	Ug6_741_743_L_0					
75 D	30.66	-1.7632E-03	83.35	33.46	145.2	73.05	ACTIVE	0.000	-14.80	119.9
1.000	1.000	153.3	0.000	0.000	Ug6_741_743_L_0					
76 D	31.26	-2.0452E-03	84.82	34.14	147.0	73.94	ACTIVE	0.000	-15.00	122.2
1.000	1.000	156.3	0.000	0.000	Ug6_741_743_L_0					
77 D	31.87	-2.3262E-03	86.29	34.83	148.8	74.82	ACTIVE	0.000	-15.20	124.5
1.000	1.000	159.3	0.000	0.000	Ug6_741_743_L_0					
78 D	32.47	-2.6066E-03	87.76	35.52	150.6	75.71	ACTIVE	0.000	-15.40	126.8
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0					
79 D	33.07	-2.8865E-03	89.24	36.21	152.4	76.60	ACTIVE	0.000	-15.60	129.2
1.000	1.000	165.4	0.000	0.000	Ug6_741_743_L_0					
80 D	33.68	-3.1663E-03	90.71	36.89	154.2	77.49	ACTIVE	0.000	-15.80	131.5
1.000	1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
81 D	17.14	-3.4460E-03	92.18	37.58	156.0	78.38	ACTIVE	0.000	-16.00	133.8
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-5.43292E-10 5.43292E-10-5.70725E-11-1.24911E-09
    2 0.48370    -0.48370     5.40521E-10 9.67393E-02
    3  1.4545     -1.4545    -9.67393E-02 0.38763
    4  2.9166     -2.9166    -0.38763     0.97095
    5  4.8734     -4.8734    -0.97095      1.9456
    6  7.3261     -7.3261     -1.9456      3.4109
    7  10.275     -10.275     -3.4109      5.4658
    8  13.729     -13.729     -5.4658      8.2116
    9  17.690     -17.690     -8.2116      11.750
   10  22.142     -22.142     -11.750      16.178
   11  27.096     -27.096     -16.178      21.597
   12  32.548     -32.548     -21.597      28.107
   13  38.486     -38.486     -28.107      35.804
   14  44.919     -44.919     -35.804      44.788
   15  51.846     -51.846     -44.788      55.157
   16  59.265     -59.265     -55.157      67.010
   17  67.168     -67.168     -67.010      80.444
   18  75.563     -75.563     -80.444      95.556
   19  84.447     -84.447     -95.556      112.45
   20  93.814     -93.814     -112.45      131.21
   21  103.67     -103.67     -131.21      151.94
   22  114.02     -114.02     -151.94      174.75
   23  124.84     -124.84     -174.75      199.71
   24  135.16     -135.16     -199.71      226.75
   25  143.97     -143.97     -226.75      255.54
   26  151.27     -151.27     -255.54      285.79
   27  157.05     -157.05     -285.79      317.20
   28  161.32     -161.32     -317.20      349.47
   29  164.09     -164.09     -349.47      382.28
   30  165.33     -165.33     -382.28      415.35
   31  165.07     -165.07     -415.35      448.36
   32  163.30     -163.30     -448.36      481.02
   33  160.01     -160.01     -481.02      513.03
   34  155.21     -155.21     -513.03      544.07
   35  148.90     -148.90     -544.07      573.85
   36  141.07     -141.07     -573.85      602.06
   37  131.74     -131.74     -602.06      628.41
   38  120.89     -120.89     -628.41      652.59
   39  108.53     -108.53     -652.59      674.29
   40  94.650     -94.650     -674.29      693.22
   41  79.262     -79.262     -693.22      709.07
   42  62.363     -62.363     -709.07      721.55
   43  43.948     -43.948     -721.55      730.34
   44  24.021     -24.021     -730.34      735.14
   45  5.2456     -5.2456     -735.14      736.19
   46 -12.317      12.317     -736.19      733.73
   47 -28.718      28.718     -733.73      727.98
   48 -44.005      44.005     -727.98      719.18
   49 -58.226      58.226     -719.18      707.54
   50 -71.430      71.430     -707.54      693.25
   51 -83.662      83.662     -693.25      676.52
   52 -94.967      94.967     -676.52      657.52
   53 -105.39      105.39     -657.52      636.45
   54 -114.98      114.98     -636.45      613.45
   55 -123.76      123.76     -613.45      588.70
   56 -131.79      131.79     -588.70      562.34
   57 -139.09      139.09     -562.34      534.52
   58 -145.72      145.72     -534.52      505.38
   59 -151.69      151.69     -505.38      475.04
```

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   60 -157.04      157.04     -475.04      443.63
   61 -161.80      161.80     -443.63      411.27
   62 -161.46      161.46     -411.27      378.98
   63 -160.71      160.71     -378.98      346.84
   64 -159.45      159.45     -346.84      314.95
   65 -157.48      157.48     -314.95      283.45
   66 -154.86      154.86     -283.45      252.48
   67 -151.68      151.68     -252.48      222.14
   68 -147.33      147.33     -222.14      192.68
   69 -141.34      141.34     -192.68      164.41
   70 -133.85      133.85     -164.41      137.64
   71 -124.86      124.86     -137.64      112.67
   72 -114.27      114.27     -112.67      89.814
   73 -102.21      102.21     -89.814      69.371
   74 -89.783      89.783     -69.371      51.415
   75 -76.982      76.982     -51.415      36.018
   76 -63.814      63.814     -36.018      23.255
   77 -50.280      50.280     -23.255      13.199
   78 -36.382      36.382     -13.199      5.9229
   79 -22.120      22.120     -5.9229      1.4989
   80 -7.4944      7.4944     -1.4989    -4.33161E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1953E+07 RIMNOR=0.2735E+08
           RENORM= 2.297     REMNOR=0.1154E-16 RATIO =0.1084E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 165.3     RMMAX = 736.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1953E+07 RDR   =0.2735E+08
           RATIOT=0.1084E-02 RATIOR= 0.000
           MAX UN=0.1204E-08 IEQ=    22 NODE     11 DOF   2   X-ROT. F
           MIN UN=-.2023     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1953E+07 RIMNOR=0.2735E+08
           RENORM=0.2353E-14 REMNOR=0.9522E-17 RATIO =0.3471E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 165.3     RMMAX = 736.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1953E+07 RDR   =0.2735E+08
           RATIOT=0.3471E-10 RATIOR= 0.000
           MAX UN=0.1556E-07 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.2084E-07 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.1353870E-02  -5.0023508E-03
    2   5.0353400E-02  -5.0023508E-03
    3   4.9352930E-02  -5.0023431E-03
    4   4.8352465E-02  -5.0023056E-03
    5   4.7352013E-02  -5.0022020E-03
    6   4.6351592E-02  -5.0019823E-03
    7   4.5351232E-02  -5.0015827E-03
    8   4.4350976E-02  -5.0009252E-03
    9   4.3350885E-02  -4.9999182E-03
   10   4.2351039E-02  -4.9984558E-03
   11   4.1351541E-02  -4.9964185E-03
   12   4.0352519E-02  -4.9936726E-03
   13   3.9354129E-02  -4.9900707E-03
   14   3.8356558E-02  -4.9854514E-03
   15   3.7360028E-02  -4.9796394E-03
   16   3.6364795E-02  -4.9724458E-03
   17   3.5371150E-02  -4.9636674E-03
   18   3.4379443E-02  -4.9530874E-03
   19   3.3390051E-02  -4.9404753E-03
   20   3.2403405E-02  -4.9255865E-03
   21   3.1419990E-02  -4.9081628E-03
   22   3.0440332E-02  -4.8879318E-03
   23   2.9465024E-02  -4.8646077E-03
   24   2.8494715E-02  -4.8378907E-03
   25   2.7530113E-02  -4.8074806E-03
   26   2.6571987E-02  -4.7731048E-03
   27   2.5621156E-02  -4.7345343E-03
   28   2.4678470E-02  -4.6915822E-03
   29   2.3744825E-02  -4.6441056E-03
   30   2.2821136E-02  -4.5920042E-03
   31   2.1908335E-02  -4.5352209E-03
   32   2.1007365E-02  -4.4737418E-03
   33   2.0119154E-02  -4.4075954E-03
   34   1.9244633E-02  -4.3368539E-03
   35   1.8384711E-02  -4.2616326E-03
   36   1.7540268E-02  -4.1820896E-03
   37   1.6712154E-02  -4.0984266E-03
   38   1.5901160E-02  -4.0108871E-03
   39   1.5108039E-02  -3.9197588E-03
   40   1.4333474E-02  -3.8253721E-03
   41   1.3578082E-02  -3.7281007E-03
   42   1.2842398E-02  -3.6283610E-03
   43   1.2126872E-02  -3.5266127E-03
   44   1.1431854E-02  -3.4233584E-03
   45   1.0757596E-02  -3.3191443E-03
   46   1.0104227E-02  -3.2145202E-03
   47   9.4717803E-03  -3.1100036E-03
   48   8.8601858E-03  -3.0060780E-03
   49   8.2692796E-03  -2.9031940E-03
   50   7.6988136E-03  -2.8017719E-03
   51   7.1484504E-03  -2.7022005E-03
   52   6.6177729E-03  -2.6048395E-03
   53   6.1063563E-03  -2.5100327E-03
   54   5.6135954E-03  -2.4180769E-03
   55   5.1389163E-03  -2.3292606E-03
   56   4.6816645E-03  -2.2438444E-03
   57   4.2411360E-03  -2.1620663E-03
   58   3.8165810E-03  -2.0841432E-03
   59   3.4072086E-03  -2.0102718E-03
   60   3.0121904E-03  -1.9406295E-03
   61   2.6306642E-03  -1.8753757E-03
   62   2.2617381E-03  -1.8146520E-03
   63   1.9044973E-03  -1.7585208E-03
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64	1.5580246E-03	-1.7069674E-03
65	1.2214070E-03	-1.6599638E-03
66	8.9373876E-04	-1.6174646E-03
67	5.7412520E-04	-1.5794047E-03
68	2.6168643E-04	-1.5457016E-03
69	-4.4438737E-05	-1.5162480E-03
70	-3.4508622E-04	-1.4908963E-03
71	-6.4105787E-04	-1.4694539E-03
72	-9.3311271E-04	-1.4516854E-03
73	-1.2219583E-03	-1.4373109E-03
74	-1.5082419E-03	-1.4260085E-03
75	-1.7925434E-03	-1.4174313E-03
76	-2.0753723E-03	-1.4112217E-03
77	-2.3571654E-03	-1.4070114E-03
78	-2.6382849E-03	-1.4044217E-03
79	-2.9190161E-03	-1.4030630E-03
80	-3.1995655E-03	-1.4025356E-03
81	-3.4800724E-03	-1.4024291E-03

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -5.1354E-02   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5381     -5.0353E-02   2.327       1.018       2.338       1.774           UL-RL  4.4259E+04 -0.2000       1.673
1.000       1.000       2.690       0.000       0.000     Ug5_2_8_L_0
   3 D   1.025     -4.9353E-02   4.655       1.779       4.728       3.436           UL-RL  4.4259E+04 -0.4000       3.345
1.000       1.000       5.125       0.000       0.000     Ug5_2_8_L_0
   4 D   1.513     -4.8352E-02   6.982       2.546       7.187       4.933           UL-RL  4.4259E+04 -0.6000       5.018
1.000       1.000       7.564       0.000       0.000     Ug5_2_8_L_0
   5 D   2.001     -4.7352E-02   9.309       3.315       9.696       6.275           UL-RL  4.4259E+04 -0.8000       6.691
1.000       1.000       10.01       0.000       0.000     Ug5_2_8_L_0
   6 D   2.490     -4.6352E-02   11.64       4.085       12.23       7.498           UL-RL  4.4259E+04  -1.000       8.364
1.000       1.000       12.45       0.000       0.000     Ug5_2_8_L_0
   7 D   2.978     -4.5351E-02   13.96       4.856       14.76       8.636           UL-RL  4.4259E+04  -1.200       10.04
1.000       1.000       14.89       0.000       0.000     Ug5_2_8_L_0
   8 D   3.469     -4.4351E-02   16.29       5.634       17.43       9.720           UL-RL  4.4259E+04  -1.400       11.71
1.000       1.000       17.34       0.000       0.000     Ug5_2_8_L_0
   9 D   3.959     -4.3351E-02   18.62       6.415       20.15       10.77           UL-RL  4.4259E+04  -1.600       13.38
1.000       1.000       19.80       0.000       0.000     Ug5_2_8_L_0
  10 D   4.447     -4.2351E-02   20.95       7.179       22.59       11.79           UL-RL  4.4259E+04  -1.800       15.05
1.000       1.000       22.23       0.000       0.000     Ug5_2_8_L_0
  11 D   4.936     -4.1352E-02   23.27       7.953       25.20       12.80           UL-RL  4.4259E+04  -2.000       16.73
1.000       1.000       24.68       0.000       0.000     Ug5_2_8_L_0
  12 D   5.425     -4.0353E-02   25.60       8.724       27.77       13.80           UL-RL  4.4259E+04  -2.200       18.40
1.000       1.000       27.12       0.000       0.000     Ug5_2_8_L_0
  13 D   5.911     -3.9354E-02   27.93       9.483       30.15       14.79           UL-RL  4.4259E+04  -2.400       20.07
1.000       1.000       29.56       0.000       0.000     Ug5_2_8_L_0
  14 D   6.399     -3.8357E-02   30.25       10.25       32.67       15.78           UL-RL  4.4259E+04  -2.600       21.75
1.000       1.000       31.99       0.000       0.000     Ug5_2_8_L_0
  15 D   6.886     -3.7360E-02   32.58       11.01       35.16       16.77           UL-RL  4.4259E+04  -2.800       23.42
1.000       1.000       34.43       0.000       0.000     Ug5_2_8_L_0
  16 D   7.373     -3.6365E-02   34.91       11.78       37.64       17.75           UL-RL  4.4259E+04  -3.000       25.09
1.000       1.000       36.87       0.000       0.000     Ug5_2_8_L_0
  17 D   7.859     -3.5371E-02   37.24       12.53       39.98       18.73           UL-RL  4.4259E+04  -3.200       26.76
1.000       1.000       39.29       0.000       0.000     Ug5_2_8_L_0
  18 D   8.345     -3.4379E-02   39.56       13.29       42.43       19.71           UL-RL  4.4259E+04  -3.400       28.44
1.000       1.000       41.73       0.000       0.000     Ug5_2_8_L_0
  19 D   8.831     -3.3390E-02   41.89       14.05       44.86       20.69           UL-RL  4.4259E+04  -3.600       30.11
1.000       1.000       44.16       0.000       0.000     Ug5_2_8_L_0
  20 D   9.316     -3.2403E-02   44.22       14.80       47.19       21.67           UL-RL  4.4259E+04  -3.800       31.78
1.000       1.000       46.58       0.000       0.000     Ug5_2_8_L_0
  21 D   9.802     -3.1420E-02   46.55       15.55       49.62       22.66           UL-RL  4.4259E+04  -4.000       33.45
1.000       1.000       49.01       0.000       0.000     Ug5_2_8_L_0
  22 D   10.29     -3.0440E-02   48.87       16.31       52.03       23.64           UL-RL  4.4259E+04  -4.200       35.13
1.000       1.000       51.44       0.000       0.000     Ug5_2_8_L_0
  23 D   10.77     -2.9465E-02   51.20       17.06       54.35       24.62           UL-RL  4.4259E+04  -4.400       36.80
1.000       1.000       53.86       0.000       0.000     Ug5_2_8_L_0
  24 D   11.26     -2.8495E-02   53.53       17.81       56.76       25.60           UL-RL  4.4259E+04  -4.600       38.47
1.000       1.000       56.28       0.000       0.000     Ug5_2_8_L_0
  25 D   11.74     -2.7530E-02   55.85       18.56       59.16       26.59           UL-RL  4.4259E+04  -4.800       40.15
1.000       1.000       58.71       0.000       0.000     Ug5_2_8_L_0
  26 D   12.23     -2.6572E-02   58.18       19.31       61.55       27.57           UL-RL  4.4259E+04  -5.000       41.82
1.000       1.000       61.13       0.000       0.000     Ug5_2_8_L_0
  27 D   12.71     -2.5621E-02   60.51       20.06       63.87       28.55           UL-RL  4.4259E+04  -5.200       43.49
1.000       1.000       63.55       0.000       0.000     Ug5_2_8_L_0
  28 D   13.19     -2.4678E-02   62.84       20.81       66.25       29.54           UL-RL  4.4259E+04  -5.400       45.16
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1.000	1.000	65.97	0.000	0.000	Ug5_2_8_L_0						
29 D	13.68	-2.3745E-02	65.16	21.56	68.63	30.53	UL-RL	4.4259E+04	-5.600	46.84	
1.000	1.000	68.39	0.000	0.000	Ug5_2_8_L_0						
30 D	14.16	-2.2821E-02	67.49	22.30	70.95	31.52	UL-RL	4.4259E+04	-5.800	48.51	
1.000	1.000	70.81	0.000	0.000	Ug5_2_8_L_0						
31 D	14.65	-2.1908E-02	69.82	23.05	73.33	32.50	UL-RL	4.4259E+04	-6.000	50.18	
1.000	1.000	73.23	0.000	0.000	Ug5_2_8_L_0						
32 D	15.13	-2.1007E-02	72.15	23.80	75.70	33.49	UL-RL	4.4259E+04	-6.200	51.85	
1.000	1.000	75.65	0.000	0.000	Ug5_2_8_L_0						
33 D	15.61	-2.0119E-02	74.47	24.54	78.02	34.49	UL-RL	4.4259E+04	-6.400	53.53	
1.000	1.000	78.07	0.000	0.000	Ug5_2_8_L_0						
34 D	16.10	-1.9245E-02	76.80	25.29	80.39	35.48	UL-RL	4.4259E+04	-6.600	55.20	
1.000	1.000	80.49	0.000	0.000	Ug5_2_8_L_0						
35 D	16.58	-1.8385E-02	79.13	26.04	82.76	36.47	UL-RL	4.4259E+04	-6.800	56.87	
1.000	1.000	82.91	0.000	0.000	Ug5_2_8_L_0						
36 D	17.07	-1.7540E-02	81.45	26.79	85.12	37.46	UL-RL	4.4259E+04	-7.000	58.55	
1.000	1.000	85.33	0.000	0.000	Ug5_2_8_L_0						
37 D	17.55	-1.6712E-02	83.78	27.53	87.43	38.46	UL-RL	4.4259E+04	-7.200	60.22	
1.000	1.000	87.75	0.000	0.000	Ug5_2_8_L_0						
38 D	18.03	-1.5901E-02	86.11	28.28	89.80	39.45	UL-RL	4.4259E+04	-7.400	61.89	
1.000	1.000	90.17	0.000	0.000	Ug5_2_8_L_0						
39 D	18.52	-1.5108E-02	88.44	29.03	92.16	40.45	UL-RL	4.4259E+04	-7.600	63.56	
1.000	1.000	92.59	0.000	0.000	Ug5_2_8_L_0						
40 D	19.00	-1.4333E-02	90.76	29.77	94.47	41.45	UL-RL	4.4259E+04	-7.800	65.24	
1.000	1.000	95.01	0.000	0.000	Ug5_2_8_L_0						
41 D	19.49	-1.3578E-02	93.09	30.52	96.83	42.45	UL-RL	4.4259E+04	-8.000	66.91	
1.000	1.000	97.43	0.000	0.000	Ug5_2_8_L_0						
42 D	19.97	-1.2842E-02	95.42	31.27	99.19	43.45	UL-RL	4.4259E+04	-8.200	68.58	
1.000	1.000	99.85	0.000	0.000	Ug5_2_8_L_0						
43 D	20.45	-1.2127E-02	97.75	32.02	101.5	44.45	UL-RL	4.4259E+04	-8.400	70.25	
1.000	1.000	102.3	0.000	0.000	Ug5_2_8_L_0						
44 D	20.94	-1.1432E-02	100.1	32.77	103.9	45.45	UL-RL	4.4259E+04	-8.600	71.93	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
45 D	21.42	-1.0758E-02	102.4	33.52	106.2	46.45	UL-RL	4.4259E+04	-8.800	73.60	
1.000	1.000	107.1	0.000	0.000	Ug5_2_8_L_0						
46 D	21.91	-1.0104E-02	104.7	34.27	108.6	47.45	UL-RL	4.4259E+04	-9.000	75.27	
1.000	1.000	109.5	0.000	0.000	Ug5_2_8_L_0						
47 D	22.39	-9.4718E-03	107.1	35.02	110.9	48.46	UL-RL	4.4259E+04	-9.200	76.95	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
48 D	22.88	-8.8602E-03	109.4	35.78	113.2	49.46	UL-RL	4.4259E+04	-9.400	78.62	
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0						
49 D	23.36	-8.2693E-03	111.7	36.53	115.6	50.47	UL-RL	4.4259E+04	-9.600	80.29	
1.000	1.000	116.8	0.000	0.000	Ug5_2_8_L_0						
50 D	23.85	-7.6988E-03	114.0	37.29	117.9	51.47	UL-RL	4.4259E+04	-9.800	81.96	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
51 D	24.34	-7.1485E-03	116.4	38.04	120.2	52.48	UL-RL	4.4259E+04	-10.00	83.64	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
52 D	24.82	-6.6178E-03	118.7	38.80	122.6	53.49	UL-RL	4.4259E+04	-10.20	85.31	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
53 D	25.31	-6.1064E-03	121.0	39.56	124.9	54.50	UL-RL	4.4259E+04	-10.40	86.98	
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0						
54 D	25.79	-5.6136E-03	123.3	40.32	127.3	55.51	UL-RL	4.4259E+04	-10.60	88.65	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
55 D	26.28	-5.1389E-03	125.7	41.08	129.6	56.52	UL-RL	4.4259E+04	-10.80	90.33	
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0						
56 D	26.77	-4.6817E-03	128.0	41.84	132.0	57.53	UL-RL	4.4259E+04	-11.00	92.00	
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0						
57 D	27.26	-4.2411E-03	130.3	42.60	134.3	58.54	UL-RL	4.4259E+04	-11.20	93.67	
1.000	1.000	136.3	0.000	0.000	Ug5_2_8_L_0						
58 D	27.74	-3.8166E-03	132.7	43.37	136.6	59.55	UL-RL	4.4259E+04	-11.40	95.35	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
59 D	28.23	-3.4072E-03	135.0	44.14	139.0	60.56	UL-RL	4.4259E+04	-11.60	97.02	
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0						
60 D	28.72	-3.0122E-03	137.3	44.90	141.3	61.58	UL-RL	4.4259E+04	-11.80	98.69	
1.000	1.000	143.6	0.000	0.000	Ug5_2_8_L_0						
61 D	29.21	-2.6307E-03	139.6	45.67	143.6	62.59	UL-RL	4.4259E+04	-12.00	100.4	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
62 D	32.81	-2.2617E-03	141.8	62.04	145.8	63.50	UL-RL	2.1956E+04	-12.20	102.0	
1.000	1.000	164.1	0.000	0.000	Ug6_741_743_L_0						
63 D	33.35	-1.9045E-03	143.9	63.05	147.9	64.79	UL-RL	2.1956E+04	-12.40	103.7	
1.000	1.000	166.8	0.000	0.000	Ug6_741_743_L_0						
64 D	33.96	-1.5580E-03	146.0	64.40	150.0	66.13	UL-RL	2.1956E+04	-12.60	105.4	
1.000	1.000	169.8	0.000	0.000	Ug6_741_743_L_0						
65 D	34.70	-1.2214E-03	148.1	66.47	152.1	67.42	UL-RL	2.1956E+04	-12.80	107.1	
1.000	1.000	173.5	0.000	0.000	Ug6_741_743_L_0						
66 D	35.38	-8.9374E-04	150.3	68.19	154.2	68.69	UL-RL	2.1956E+04	-13.00	108.7	
1.000	1.000	176.9	0.000	0.000	Ug6_741_743_L_0						
67 D	36.00	-5.7413E-04	152.4	69.62	156.3	70.09	UL-RL	2.1956E+04	-13.20	110.4	
1.000	1.000	180.0	0.000	0.000	Ug6_741_743_L_0						
68 D	36.77	-2.6169E-04	154.5	71.76	158.4	72.21	UL-RL	2.1956E+04	-13.40	112.1	
1.000	1.000	183.8	0.000	0.000	Ug6_741_743_L_0						

69 D	37.73	4.4439E-05	156.7	74.89	160.5	75.31	UL-RL	2.1956E+04	-13.60	113.7	
1.000	1.000	188.6	0.000	0.000	Ug6_741_743_L_0						
70 D	38.60	3.4509E-04	158.8	77.58	162.6	77.97	UL-RL	2.1956E+04	-13.80	115.4	
1.000	1.000	193.0	0.000	0.000	Ug6_741_743_L_0						
71 D	39.47	6.4106E-04	160.9	80.26	164.7	80.63	UL-RL	2.1956E+04	-14.00	117.1	
1.000	1.000	197.4	0.000	0.000	Ug6_741_743_L_0						
72 D	40.46	9.3311E-04	163.0	83.55	166.7	83.89	UL-RL	2.1956E+04	-14.20	118.8	
1.000	1.000	202.3	0.000	0.000	Ug6_741_743_L_0						
73 D	41.45	1.2220E-03	165.2	86.81	168.8	87.13	UL-RL	2.1956E+04	-14.40	120.4	
1.000	1.000	207.3	0.000	0.000	Ug6_741_743_L_0						
74 D	42.43	1.5082E-03	167.3	90.05	170.9	90.34	UL-RL	2.1956E+04	-14.60	122.1	
1.000	1.000	212.2	0.000	0.000	Ug6_741_743_L_0						
75 D	43.41	1.7925E-03	169.4	93.27	173.0	93.53	UL-RL	2.1956E+04	-14.80	123.8	
1.000	1.000	217.1	0.000	0.000	Ug6_741_743_L_0						
76 D	44.39	2.0754E-03	171.5	96.48	175.1	96.71	UL-RL	2.1956E+04	-15.00	125.5	
1.000	1.000	221.9	0.000	0.000	Ug6_741_743_L_0						
77 D	45.36	2.3572E-03	173.7	99.67	177.2	99.88	UL-RL	2.1956E+04	-15.20	127.1	
1.000	1.000	226.8	0.000	0.000	Ug6_741_743_L_0						
78 D	46.33	2.6383E-03	175.8	102.9	179.3	103.0	UL-RL	2.1956E+04	-15.40	128.8	
1.000	1.000	231.7	0.000	0.000	Ug6_741_743_L_0						
79 D	47.30	2.9190E-03	177.9	106.0	181.4	106.2	UL-RL	2.1956E+04	-15.60	130.5	
1.000	1.000	236.5	0.000	0.000	Ug6_741_743_L_0						
80 D	48.28	3.1996E-03	180.1	109.2	183.5	109.4	UL-RL	2.1956E+04	-15.80	132.1	
1.000	1.000	241.4	0.000	0.000	Ug6_741_743_L_0						
81 D	24.62	3.4801E-03	182.2	112.4	185.6	112.5	UL-RL	2.1956E+04	-16.00	133.8	
1.000	1.000	246.2	0.000	0.000	Ug6_741_743_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:25:48                                                          |
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 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D  0.9317      2.8495E-02  0.8364      3.495       46.00       65.67         UL-RL  2.8243E+04  -4.600       1.164
1.000       1.000       4.659       0.000       0.000     Ug5_2_8_L_0
  25 D   2.928      2.7530E-02   2.509      11.15       48.00       73.88         UL-RL  2.8243E+04  -4.800       3.491
1.000       1.000       14.64       0.000       0.000     Ug5_2_8_L_0
  26 D   4.925      2.6572E-02   4.182      18.81       50.00       82.09         UL-RL  2.8243E+04  -5.000       5.818
1.000       1.000       24.62       0.000       0.000     Ug5_2_8_L_0
  27 D   6.921      2.5621E-02   5.855      26.46       52.00       80.20         UL-RL  2.8243E+04  -5.200       8.145
1.000       1.000       34.61       0.000       0.000     Ug5_2_8_L_0
  28 D   8.918      2.4678E-02   7.527      34.12       54.00       77.91         UL-RL  2.8243E+04  -5.400       10.47
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1.000	1.000	44.59	0.000	0.000	Ug5_2_8_L_0						
29 D	10.91	2.3745E-02	9.200	41.77	56.00	75.71	UL-RL	2.8243E+04	-5.600	12.80	
1.000	1.000	54.57	0.000	0.000	Ug5_2_8_L_0						
30 D	12.91	2.2821E-02	10.87	49.43	58.00	73.63	UL-RL	2.8243E+04	-5.800	15.13	
1.000	1.000	64.56	0.000	0.000	Ug5_2_8_L_0						
31 D	14.91	2.1908E-02	12.55	57.08	60.00	78.48	UL-RL	2.8243E+04	-6.000	17.45	
1.000	1.000	74.54	0.000	0.000	Ug5_2_8_L_0						
32 D	16.90	2.1007E-02	14.22	64.74	62.00	86.33	UL-RL	2.8243E+04	-6.200	19.78	
1.000	1.000	84.52	0.000	0.000	Ug5_2_8_L_0						
33 D	18.90	2.0119E-02	15.89	72.40	64.00	94.18	UL-RL	2.8243E+04	-6.400	22.11	
1.000	1.000	94.51	0.000	0.000	Ug5_2_8_L_0						
34 D	20.90	1.9245E-02	17.56	80.05	66.00	102.0	UL-RL	2.8243E+04	-6.600	24.44	
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
35 D	22.89	1.8385E-02	19.24	87.71	68.00	109.9	UL-RL	2.8243E+04	-6.800	26.76	
1.000	1.000	114.5	0.000	0.000	Ug5_2_8_L_0						
36 D	24.89	1.7540E-02	20.91	95.37	70.00	117.7	UL-RL	2.8243E+04	-7.000	29.09	
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0						
37 D	26.89	1.6712E-02	22.58	103.0	72.00	125.6	UL-RL	2.8243E+04	-7.200	31.42	
1.000	1.000	134.4	0.000	0.000	Ug5_2_8_L_0						
38 D	28.88	1.5901E-02	24.25	110.7	74.00	122.2	UL-RL	2.8243E+04	-7.400	33.75	
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0						
39 D	30.88	1.5108E-02	25.93	118.3	76.00	118.7	UL-RL	2.8243E+04	-7.600	36.07	
1.000	1.000	154.4	0.000	0.000	Ug5_2_8_L_0						
40 D	32.88	1.4333E-02	27.60	126.0	78.00	126.4	UL-RL	2.8243E+04	-7.800	38.40	
1.000	1.000	164.4	0.000	0.000	Ug5_2_8_L_0						
41 D	34.87	1.3578E-02	29.27	133.6	80.00	134.0	UL-RL	2.8243E+04	-8.000	40.73	
1.000	1.000	174.4	0.000	0.000	Ug5_2_8_L_0						
42 D	36.87	1.2842E-02	30.95	141.3	82.00	141.7	UL-RL	2.8243E+04	-8.200	43.05	
1.000	1.000	184.4	0.000	0.000	Ug5_2_8_L_0						
43 D	38.87	1.2127E-02	32.62	149.0	84.00	149.3	UL-RL	2.8243E+04	-8.400	45.38	
1.000	1.000	194.3	0.000	0.000	Ug5_2_8_L_0						
44 D	40.86	1.1432E-02	34.29	156.6	86.00	157.0	UL-RL	2.8243E+04	-8.600	47.71	
1.000	1.000	204.3	0.000	0.000	Ug5_2_8_L_0						
45 D	40.20	1.0758E-02	35.96	150.9	88.00	151.3	UL-RL	2.8243E+04	-8.800	50.04	
1.000	1.000	201.0	0.000	0.000	Ug5_2_8_L_0						
46 D	39.47	1.0104E-02	37.64	145.0	90.00	145.4	UL-RL	2.8243E+04	-9.000	52.36	
1.000	1.000	197.3	0.000	0.000	Ug5_2_8_L_0						
47 D	38.79	9.4718E-03	39.31	139.2	92.00	139.6	UL-RL	2.8243E+04	-9.200	54.69	
1.000	1.000	193.9	0.000	0.000	Ug5_2_8_L_0						
48 D	38.15	8.8602E-03	40.98	133.8	94.00	134.2	UL-RL	2.8243E+04	-9.400	57.02	
1.000	1.000	190.8	0.000	0.000	Ug5_2_8_L_0						
49 D	37.57	8.2693E-03	42.65	128.5	96.00	128.9	UL-RL	2.8243E+04	-9.600	59.35	
1.000	1.000	187.9	0.000	0.000	Ug5_2_8_L_0						
50 D	37.04	7.6988E-03	44.33	123.5	98.00	123.9	UL-RL	2.8243E+04	-9.800	61.67	
1.000	1.000	185.2	0.000	0.000	Ug5_2_8_L_0						
51 D	36.55	7.1485E-03	46.00	118.7	100.00	119.2	UL-RL	2.8243E+04	-10.00	64.00	
1.000	1.000	182.7	0.000	0.000	Ug5_2_8_L_0						
52 D	36.10	6.6178E-03	47.67	114.2	102.0	114.6	UL-RL	2.8243E+04	-10.20	66.33	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
53 D	35.70	6.1064E-03	49.35	109.9	104.0	110.3	UL-RL	2.8243E+04	-10.40	68.65	
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0						
54 D	35.34	5.6136E-03	51.02	105.7	106.0	106.2	UL-RL	2.8243E+04	-10.60	70.98	
1.000	1.000	176.7	0.000	0.000	Ug5_2_8_L_0						
55 D	35.03	5.1389E-03	52.69	101.8	108.0	102.3	UL-RL	2.8243E+04	-10.80	73.31	
1.000	1.000	175.1	0.000	0.000	Ug5_2_8_L_0						
56 D	34.75	4.6817E-03	54.36	98.11	110.0	98.59	UL-RL	2.8243E+04	-11.00	75.64	
1.000	1.000	173.7	0.000	0.000	Ug5_2_8_L_0						
57 D	34.51	4.2411E-03	56.04	94.59	112.0	95.08	UL-RL	2.8243E+04	-11.20	77.96	
1.000	1.000	172.6	0.000	0.000	Ug5_2_8_L_0						
58 D	34.31	3.8166E-03	57.71	91.24	114.0	91.74	UL-RL	2.8243E+04	-11.40	80.29	
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0						
59 D	34.14	3.4072E-03	59.38	88.06	116.0	88.58	UL-RL	2.8243E+04	-11.60	82.62	
1.000	1.000	170.7	0.000	0.000	Ug5_2_8_L_0						
60 D	34.00	3.0122E-03	61.05	85.04	118.0	85.58	UL-RL	2.8243E+04	-11.80	84.95	
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0						
61 D	33.89	2.6307E-03	62.73	82.18	120.0	82.72	UL-RL	2.8243E+04	-12.00	87.27	
1.000	1.000	169.4	0.000	0.000	Ug5_2_8_L_0						
62 D	32.51	2.2617E-03	64.20	72.93	121.8	73.34	UL-RL	2.0495E+04	-12.20	89.60	
1.000	1.000	162.5	0.000	0.000	Ug6_741_743_L_0						
63 D	32.63	1.9045E-03	65.67	71.21	123.6	71.63	UL-RL	2.0495E+04	-12.40	91.93	
1.000	1.000	163.1	0.000	0.000	Ug6_741_743_L_0						
64 D	32.72	1.5580E-03	67.15	69.35	125.4	70.11	UL-RL	2.0495E+04	-12.60	94.25	
1.000	1.000	163.6	0.000	0.000	Ug6_741_743_L_0						
65 D	32.74	1.2214E-03	68.62	67.13	127.2	68.90	UL-RL	2.0495E+04	-12.80	96.58	
1.000	1.000	163.7	0.000	0.000	Ug6_741_743_L_0						
66 D	32.78	8.9374E-04	70.09	64.98	129.0	67.75	UL-RL	2.0495E+04	-13.00	98.91	
1.000	1.000	163.9	0.000	0.000	Ug6_741_743_L_0						
67 D	32.82	5.7413E-04	71.56	62.87	130.8	66.67	UL-RL	2.0495E+04	-13.20	101.2	
1.000	1.000	164.1	0.000	0.000	Ug6_741_743_L_0						
68 D	32.40	2.6169E-04	73.04	58.45	132.6	66.84	UL-RL	2.0495E+04	-13.40	103.6	
1.000	1.000	162.0	0.000	0.000	Ug6_741_743_L_0						

69 D	31.73	-4.4439E-05	74.51	52.74	134.4	67.73	UL-RL	2.0495E+04	-13.60	105.9
1.000	1.000	158.6	0.000	0.000	Ug6_741_743_L_0					
70 D	31.08	-3.4509E-04	75.98	47.16	136.2	68.61	UL-RL	2.0495E+04	-13.80	108.2
1.000	1.000	155.4	0.000	0.000	Ug6_741_743_L_0					
71 D	30.45	-6.4106E-04	77.45	41.69	138.0	69.50	UL-RL	2.0495E+04	-14.00	110.5
1.000	1.000	152.2	0.000	0.000	Ug6_741_743_L_0					
72 D	29.84	-9.3311E-04	78.93	36.30	139.8	70.38	UL-RL	2.0495E+04	-14.20	112.9
1.000	1.000	149.2	0.000	0.000	Ug6_741_743_L_0					
73 D	29.46	-1.2220E-03	80.40	32.08	141.6	71.27	ACTIVE	0.000	-14.40	115.2
1.000	1.000	147.3	0.000	0.000	Ug6_741_743_L_0					
74 D	30.06	-1.5082E-03	81.87	32.77	143.4	72.16	ACTIVE	0.000	-14.60	117.5
1.000	1.000	150.3	0.000	0.000	Ug6_741_743_L_0					
75 D	30.66	-1.7925E-03	83.35	33.46	145.2	73.05	ACTIVE	0.000	-14.80	119.9
1.000	1.000	153.3	0.000	0.000	Ug6_741_743_L_0					
76 D	31.26	-2.0754E-03	84.82	34.14	147.0	73.94	ACTIVE	0.000	-15.00	122.2
1.000	1.000	156.3	0.000	0.000	Ug6_741_743_L_0					
77 D	31.87	-2.3572E-03	86.29	34.83	148.8	74.82	ACTIVE	0.000	-15.20	124.5
1.000	1.000	159.3	0.000	0.000	Ug6_741_743_L_0					
78 D	32.47	-2.6383E-03	87.76	35.52	150.6	75.71	ACTIVE	0.000	-15.40	126.8
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0					
79 D	33.07	-2.9190E-03	89.24	36.21	152.4	76.60	ACTIVE	0.000	-15.60	129.2
1.000	1.000	165.4	0.000	0.000	Ug6_741_743_L_0					
80 D	33.68	-3.1996E-03	90.71	36.89	154.2	77.49	ACTIVE	0.000	-15.80	131.5
1.000	1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
81 D	17.14	-3.4801E-03	92.18	37.58	156.0	78.38	ACTIVE	0.000	-16.00	133.8
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:25:48                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-1.27899E-08 1.27899E-08-1.27587E-09-2.48004E-09
    2 0.53809    -0.53809     2.00286E-09 0.10762
    3  1.5631     -1.5631    -0.10762     0.42023
    4  3.0758     -3.0758    -0.42023      1.0354
    5  5.0770     -5.0770     -1.0354      2.0508
    6  7.5668     -7.5668     -2.0508      3.5641
    7  10.545     -10.545     -3.5641      5.6732
    8  14.014     -14.014     -5.6732      8.4759
    9  17.973     -17.973     -8.4759      12.071
   10  22.420     -22.420     -12.071      16.555
   11  27.356     -27.356     -16.555      22.026
   12  32.781     -32.781     -22.026      28.582
   13  38.692     -38.692     -28.582      36.320
   14  45.091     -45.091     -36.320      45.338
   15  51.977     -51.977     -45.338      55.734
   16  59.350     -59.350     -55.734      67.604
   17  67.209     -67.209     -67.604      81.046
   18  75.554     -75.554     -81.046      96.157
   19  84.386     -84.386     -96.157      113.03
   20  93.702     -93.702     -113.03      131.77
   21  103.50     -103.50     -131.77      152.47
   22  113.79     -113.79     -152.47      175.23
   23  124.56     -124.56     -175.23      200.15
   24  134.89     -134.89     -200.15      227.12
   25  143.70     -143.70     -227.12      255.86
   26  151.00     -151.00     -255.86      286.06
   27  156.79     -156.79     -286.06      317.42
   28  161.07     -161.07     -317.42      349.63
   29  163.83     -163.83     -349.63      382.40
   30  165.08     -165.08     -382.40      415.42
   31  164.82     -164.82     -415.42      448.38
   32  163.05     -163.05     -448.38      480.99
   33  159.76     -159.76     -480.99      512.94
   34  154.96     -154.96     -512.94      543.93
   35  148.65     -148.65     -543.93      573.66
   36  140.82     -140.82     -573.66      601.83
   37  131.48     -131.48     -601.83      628.12
   38  120.63     -120.63     -628.12      652.25
   39  108.27     -108.27     -652.25      673.90
   40  94.392     -94.392     -673.90      692.78
   41  79.005     -79.005     -692.78      708.58
   42  62.105     -62.105     -708.58      721.00
   43  43.693     -43.693     -721.00      729.74
   44  23.769     -23.769     -729.74      734.49
   45  4.9984     -4.9984     -734.49      735.49
   46 -12.559      12.559     -735.49      732.98
   47 -28.951      28.951     -732.98      727.19
   48 -44.226      44.226     -727.19      718.35
   49 -58.434      58.434     -718.35      706.66
   50 -71.620      71.620     -706.66      692.34
   51 -83.830      83.830     -692.34      675.57
   52 -95.110      95.110     -675.57      656.55
   53 -105.50      105.50     -656.55      635.45
   54 -115.05      115.05     -635.45      612.44
   55 -123.80      123.80     -612.44      587.68
   56 -131.78      131.78     -587.68      561.32
   57 -139.04      139.04     -561.32      533.51
   58 -145.60      145.60     -533.51      504.39
   59 -151.50      151.50     -504.39      474.09
```

60	-156.78	156.78	-474.09	442.74
61	-161.47	161.47	-442.74	410.44
62	-161.16	161.16	-410.44	378.21
63	-160.43	160.43	-378.21	346.12
64	-159.20	159.20	-346.12	314.28
65	-157.24	157.24	-314.28	282.84
66	-154.63	154.63	-282.84	251.91
67	-151.45	151.45	-251.91	221.62
68	-147.08	147.08	-221.62	192.21
69	-141.08	141.08	-192.21	163.99
70	-133.56	133.56	-163.99	137.28
71	-124.53	124.53	-137.28	112.37
72	-113.90	113.90	-112.37	89.591
73	-101.91	101.91	-89.591	69.209
74	-89.537	89.537	-69.209	51.302
75	-76.788	76.788	-51.302	35.944
76	-63.667	63.667	-35.944	23.211
77	-50.175	50.175	-23.211	13.176
78	-36.313	36.313	-13.176	5.9133
79	-22.083	22.083	-5.9133	1.4968
80	-7.4837	7.4837	-1.4968	3.82542E-11

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                Exe Time :24 May 2018       18:25:48                                                     |
+-------------------------------------------------------------------------------------------------------------------------+


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

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.08 [sec]
DATABASE  CREATION CPU TIME.....    0.28 [sec]
```

Design Assumption : SISMICA STR - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                        |
|                                 Exe Time :24 May 2018       18:25:49                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.SISMICASTR_1817
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.02 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                  Exe Time :24 May 2018       18:25:49                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 102
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

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

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5E+04 1.5E+05
   15 : ENDL
   16 : LDATA Ug6_741_743_L_0 -12 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 18.5 9 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 5 26
   21 : YOUNG 3E+04 9E+04
   22 : ENDL
   23 : MATERIAL S355_114 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.8121 00 00 0
   26 : STRIP LeftWall_32 1 6 1 11.75 0 5 45
   27 : STEP Stage1_31
   28 : CHANGE Ug5_2_8_L_0 U-FRICT=37 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   30 : CHANGE Ug5_2_8_L_0 U-KA=0.249 LeftWall_32
   31 : CHANGE Ug5_2_8_L_0 U-KP=6.738 LeftWall_32
   32 : CHANGE Ug5_2_8_L_0 D-KA=0.249 LeftWall_32
   33 : CHANGE Ug5_2_8_L_0 D-KP=6.738 LeftWall_32
   34 : CHANGE Ug6_741_743_L_0 U-FRICT=26 LeftWall_32
   35 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   36 : CHANGE Ug6_741_743_L_0 U-KA=0.39 LeftWall_32
   37 : CHANGE Ug6_741_743_L_0 U-KP=3.404 LeftWall_32
   38 : CHANGE Ug6_741_743_L_0 D-KA=0.39 LeftWall_32
   39 : CHANGE Ug6_741_743_L_0 D-KP=3.404 LeftWall_32
   40 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   41 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   42 : CHANGE Ug6_741_743_L_0 U-COHE=5 LeftWall_32
   43 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   44 : SETWALL LeftWall_32
   45 : GEOM 0 0
   46 : WATER 0 0 -16 0 0
   47 : ADD WallElement_33
   48 : ENDSTEP
   49 : STEP Stage2_158
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   51 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   52 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   53 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   54 : SETWALL LeftWall_32
   55 : GEOM 0 -1
   56 : WATER 0 1 -16 0 0
   57 : ENDSTEP
   58 : STEP Stage3_255
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   60 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
   61 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   62 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
   63 : SETWALL LeftWall_32
   64 : GEOM 0 -2
   65 : WATER 0 2 -16 0 0
   66 : ENDSTEP
   67 : STEP Stage4_352
   68 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
```

```
 69 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 71 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 72 : SETWALL LeftWall_32
 73 : GEOM 0 -3
 74 : WATER 0 3 -16 0 0
 75 : ENDSTEP
 76 : STEP Stage5_449
 77 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 78 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 79 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 80 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 81 : SETWALL LeftWall_32
 82 : GEOM 0 -4
 83 : WATER 0 4 -16 0 0
 84 : ENDSTEP
 85 : STEP Stage6_546
 86 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 87 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 88 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 89 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 90 : SETWALL LeftWall_32
 91 : GEOM 0 -4.5
 92 : WATER 0 4.5 -16 0 0
 93 : ENDSTEP
 94 : STEP Stage7_643
 95 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
 96 : CHANGE Ug6_741_743_L_0 D-FRICT=26 LeftWall_32
 97 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 98 : CHANGE Ug6_741_743_L_0 D-COHE=5 LeftWall_32
 99 : SETWALL LeftWall_32
100 : GEOM 0 -4.5
101 : WATER 0 4.5 -16 0 0
102 : ENDSTEP
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                        |
|                                 Exe Time :24 May 2018       18:25:49                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
```

36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

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

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

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
|                                   Exe Time :24 May 2018       18:25:49                                                        |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.8121     0.000     0.000
    2    2    3    1    0.000     0.000    0.8121     0.000     0.000
    3    3    4    1    0.000     0.000    0.8121     0.000     0.000
    4    4    5    1    0.000     0.000    0.8121     0.000     0.000
    5    5    6    1    0.000     0.000    0.8121     0.000     0.000
    6    6    7    1    0.000     0.000    0.8121     0.000     0.000
    7    7    8    1    0.000     0.000    0.8121     0.000     0.000
    8    8    9    1    0.000     0.000    0.8121     0.000     0.000
    9    9   10    1    0.000     0.000    0.8121     0.000     0.000
   10   10   11    1    0.000     0.000    0.8121     0.000     0.000
   11   11   12    1    0.000     0.000    0.8121     0.000     0.000
   12   12   13    1    0.000     0.000    0.8121     0.000     0.000
   13   13   14    1    0.000     0.000    0.8121     0.000     0.000
   14   14   15    1    0.000     0.000    0.8121     0.000     0.000
   15   15   16    1    0.000     0.000    0.8121     0.000     0.000
   16   16   17    1    0.000     0.000    0.8121     0.000     0.000
   17   17   18    1    0.000     0.000    0.8121     0.000     0.000
   18   18   19    1    0.000     0.000    0.8121     0.000     0.000
   19   19   20    1    0.000     0.000    0.8121     0.000     0.000
   20   20   21    1    0.000     0.000    0.8121     0.000     0.000
   21   21   22    1    0.000     0.000    0.8121     0.000     0.000
   22   22   23    1    0.000     0.000    0.8121     0.000     0.000
   23   23   24    1    0.000     0.000    0.8121     0.000     0.000
   24   24   25    1    0.000     0.000    0.8121     0.000     0.000
   25   25   26    1    0.000     0.000    0.8121     0.000     0.000
   26   26   27    1    0.000     0.000    0.8121     0.000     0.000
   27   27   28    1    0.000     0.000    0.8121     0.000     0.000
   28   28   29    1    0.000     0.000    0.8121     0.000     0.000
```

29	29	30	1	0.000	0.000	0.8121	0.000	0.000
30	30	31	1	0.000	0.000	0.8121	0.000	0.000
31	31	32	1	0.000	0.000	0.8121	0.000	0.000
32	32	33	1	0.000	0.000	0.8121	0.000	0.000
33	33	34	1	0.000	0.000	0.8121	0.000	0.000
34	34	35	1	0.000	0.000	0.8121	0.000	0.000
35	35	36	1	0.000	0.000	0.8121	0.000	0.000
36	36	37	1	0.000	0.000	0.8121	0.000	0.000
37	37	38	1	0.000	0.000	0.8121	0.000	0.000
38	38	39	1	0.000	0.000	0.8121	0.000	0.000
39	39	40	1	0.000	0.000	0.8121	0.000	0.000
40	40	41	1	0.000	0.000	0.8121	0.000	0.000
41	41	42	1	0.000	0.000	0.8121	0.000	0.000
42	42	43	1	0.000	0.000	0.8121	0.000	0.000
43	43	44	1	0.000	0.000	0.8121	0.000	0.000
44	44	45	1	0.000	0.000	0.8121	0.000	0.000
45	45	46	1	0.000	0.000	0.8121	0.000	0.000
46	46	47	1	0.000	0.000	0.8121	0.000	0.000
47	47	48	1	0.000	0.000	0.8121	0.000	0.000
48	48	49	1	0.000	0.000	0.8121	0.000	0.000
49	49	50	1	0.000	0.000	0.8121	0.000	0.000
50	50	51	1	0.000	0.000	0.8121	0.000	0.000
51	51	52	1	0.000	0.000	0.8121	0.000	0.000
52	52	53	1	0.000	0.000	0.8121	0.000	0.000
53	53	54	1	0.000	0.000	0.8121	0.000	0.000
54	54	55	1	0.000	0.000	0.8121	0.000	0.000
55	55	56	1	0.000	0.000	0.8121	0.000	0.000
56	56	57	1	0.000	0.000	0.8121	0.000	0.000
57	57	58	1	0.000	0.000	0.8121	0.000	0.000
58	58	59	1	0.000	0.000	0.8121	0.000	0.000
59	59	60	1	0.000	0.000	0.8121	0.000	0.000
60	60	61	1	0.000	0.000	0.8121	0.000	0.000
61	61	62	1	0.000	0.000	0.8121	0.000	0.000
62	62	63	1	0.000	0.000	0.8121	0.000	0.000
63	63	64	1	0.000	0.000	0.8121	0.000	0.000
64	64	65	1	0.000	0.000	0.8121	0.000	0.000
65	65	66	1	0.000	0.000	0.8121	0.000	0.000
66	66	67	1	0.000	0.000	0.8121	0.000	0.000
67	67	68	1	0.000	0.000	0.8121	0.000	0.000
68	68	69	1	0.000	0.000	0.8121	0.000	0.000
69	69	70	1	0.000	0.000	0.8121	0.000	0.000
70	70	71	1	0.000	0.000	0.8121	0.000	0.000
71	71	72	1	0.000	0.000	0.8121	0.000	0.000
72	72	73	1	0.000	0.000	0.8121	0.000	0.000
73	73	74	1	0.000	0.000	0.8121	0.000	0.000
74	74	75	1	0.000	0.000	0.8121	0.000	0.000
75	75	76	1	0.000	0.000	0.8121	0.000	0.000
76	76	77	1	0.000	0.000	0.8121	0.000	0.000
77	77	78	1	0.000	0.000	0.8121	0.000	0.000
78	78	79	1	0.000	0.000	0.8121	0.000	0.000
79	79	80	1	0.000	0.000	0.8121	0.000	0.000
80	80	81	1	0.000	0.000	0.8121	0.000	0.000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                        |
|                                 Exe Time :24 May 2018       18:25:49                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

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

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

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

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


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

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
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ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.       1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.       1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.       1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.       1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.       1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.       1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
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```
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    5
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ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    6

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  26.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.39000     WALL NO.        1
ITEM NO.  11<U-KP    >=  3.4040     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  5.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  26.000     (BOTH WALLS)
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ITEM NO.  60<D-KA    >= 0.39000     WALL NO.        1
ITEM NO.  61<D-KP    >=  3.4040     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
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SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                        |
|                                 Exe Time :24 May 2018       18:25:49                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           1.00000000000000
 FOUNDATION WIDTH    (B)            11.7500000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      5.00000000000000
 BETA ......                    45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4763

 NO. OF D.P.W  FOR THIS AREA       9554
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.2753E-27 REMNOR= 0.000     RATIO =0.4748E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.4748E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1697E-29 REMNOR=0.1582E-52 RATIO =0.3727E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3727E-17 RATIOR= 0.000
           MAX UN=0.5014E-17 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.2372E-15 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1468E-29 REMNOR=0.6218E-52 RATIO =0.3467E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3467E-17 RATIOR= 0.000
           MAX UN=0.2676E-26 IEQ=   158 NODE     79 DOF   2   X-ROT. F
           MIN UN=-.2058E-15 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                              |
 |                                 Exe Time :24 May 2018       18:25:49                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      2.4162E-20   0.000       0.000       0.000       0.000            V-C  4.7008E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141      2.4777E-20   2.008       1.570       2.008       1.570            V-C  4.7008E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411      2.5391E-20   4.057       3.055       4.057       3.055            V-C  4.7008E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083      2.6003E-20   6.158       4.413       6.158       4.413            V-C  4.7008E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730      2.6609E-20   8.297       5.651       8.297       5.651            V-C  4.7008E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359      2.7206E-20   10.45       6.797       10.45       6.797            V-C  4.7008E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976      2.7788E-20   12.61       7.879       12.61       7.879            V-C  4.7008E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584      2.8348E-20   14.87       8.919       14.87       8.919            V-C  4.7008E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186      2.8881E-20   17.18       9.931       17.18       9.931            V-C  4.7008E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785      2.9375E-20   19.26       10.93       19.26       10.93            V-C  4.7008E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381      2.9823E-20   21.48       11.91       21.48       11.91            V-C  4.7008E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976      3.0212E-20   23.67       12.88       23.67       12.88            V-C  4.7008E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570      3.0536E-20   25.71       13.85       25.71       13.85            V-C  4.7008E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163      3.0786E-20   27.86       14.82       27.86       14.82            V-C  4.7008E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756      3.0954E-20   29.98       15.78       29.98       15.78            V-C  4.7008E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349      3.1038E-20   32.10       16.74       32.10       16.74            V-C  4.7008E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941      3.1035E-20   34.11       17.70       34.11       17.70            V-C  4.7008E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53      3.0944E-20   36.20       18.66       36.20       18.66            V-C  4.7008E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13      3.0761E-20   38.29       19.63       38.29       19.63            V-C  4.7008E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72      3.0479E-20   40.29       20.59       40.29       20.59            V-C  4.7008E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31      3.0094E-20   42.36       21.55       42.36       21.55            V-C  4.7008E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90      2.9610E-20   44.43       22.51       44.43       22.51            V-C  4.7008E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49      2.9036E-20   46.43       23.47       46.43       23.47            V-C  4.7008E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09      2.8383E-20   48.48       24.43       48.48       24.43            V-C  4.7008E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68      2.7660E-20   50.54       25.39       50.54       25.39            V-C  4.7008E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27      2.6876E-20   52.59       26.36       52.59       26.36            V-C  4.7008E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86      2.6040E-20   54.58       27.32       54.58       27.32            V-C  4.7008E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46      2.5156E-20   56.63       28.28       56.63       28.28            V-C  4.7008E+04  -5.400       54.00
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1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0						
29 D	17.05	2.4232E-20	58.67	29.25	58.67	29.25	V-C	4.7008E+04	-5.600	56.00	
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0						
30 D	17.64	2.3274E-20	60.66	30.22	60.66	30.22	V-C	4.7008E+04	-5.800	58.00	
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0						
31 D	18.24	2.2304E-20	62.70	31.18	62.70	31.18	V-C	4.7008E+04	-6.000	60.00	
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0						
32 D	18.83	2.1345E-20	64.74	32.15	64.74	32.15	V-C	4.7008E+04	-6.200	62.00	
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0						
33 D	19.42	2.0416E-20	66.73	33.12	66.73	33.12	V-C	4.7008E+04	-6.400	64.00	
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0						
34 D	20.02	1.9521E-20	68.76	34.09	68.76	34.09	V-C	4.7008E+04	-6.600	66.00	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
35 D	20.61	1.8661E-20	70.79	35.06	70.79	35.06	V-C	4.7008E+04	-6.800	68.00	
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
36 D	21.21	1.7835E-20	72.82	36.03	72.82	36.03	V-C	4.7008E+04	-7.000	70.00	
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0						
37 D	21.80	1.7042E-20	74.81	37.00	74.81	37.00	V-C	4.7008E+04	-7.200	72.00	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
38 D	22.39	1.6281E-20	76.84	37.97	76.84	37.97	V-C	4.7008E+04	-7.400	74.00	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
39 D	22.99	1.5549E-20	78.86	38.94	78.86	38.94	V-C	4.7008E+04	-7.600	76.00	
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0						
40 D	23.58	1.4839E-20	80.85	39.92	80.85	39.92	V-C	4.7008E+04	-7.800	78.00	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.18	1.4135E-20	82.88	40.89	82.88	40.89	V-C	4.7008E+04	-8.000	80.00	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
42 D	24.77	1.3428E-20	84.90	41.86	84.90	41.86	V-C	4.7008E+04	-8.200	82.00	
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0						
43 D	25.37	1.2714E-20	86.89	42.84	86.89	42.84	V-C	4.7008E+04	-8.400	84.00	
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0						
44 D	25.96	1.1987E-20	88.91	43.82	88.91	43.82	V-C	4.7008E+04	-8.600	86.00	
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0						
45 D	26.56	1.1242E-20	90.93	44.79	90.93	44.79	V-C	4.7008E+04	-8.800	88.00	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
46 D	27.15	1.0475E-20	92.96	45.77	92.96	45.77	V-C	4.7008E+04	-9.000	90.00	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
47 D	27.75	9.6966E-21	94.94	46.75	94.94	46.75	V-C	4.7008E+04	-9.200	92.00	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
48 D	28.35	8.9200E-21	96.96	47.73	96.96	47.73	V-C	4.7008E+04	-9.400	94.00	
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0						
49 D	28.94	8.1574E-21	98.98	48.71	98.98	48.71	V-C	4.7008E+04	-9.600	96.00	
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0						
50 D	29.54	7.4213E-21	101.0	49.69	101.0	49.69	V-C	4.7008E+04	-9.800	98.00	
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0						
51 D	30.13	6.7233E-21	103.0	50.67	103.0	50.67	V-C	4.7008E+04	-10.00	100.00	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
52 D	30.73	6.0750E-21	105.0	51.65	105.0	51.65	V-C	4.7008E+04	-10.20	102.0	
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0						
53 D	31.33	5.4877E-21	107.0	52.63	107.0	52.63	V-C	4.7008E+04	-10.40	104.0	
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0						
54 D	31.92	4.9720E-21	109.0	53.61	109.0	53.61	V-C	4.7008E+04	-10.60	106.0	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						
55 D	32.52	4.5386E-21	111.0	54.60	111.0	54.60	V-C	4.7008E+04	-10.80	108.0	
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0						
56 D	33.12	4.1976E-21	113.0	55.58	113.0	55.58	V-C	4.7008E+04	-11.00	110.0	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
57 D	33.71	3.9590E-21	115.0	56.56	115.0	56.56	V-C	4.7008E+04	-11.20	112.0	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
58 D	34.31	3.8323E-21	117.0	57.55	117.0	57.55	V-C	4.7008E+04	-11.40	114.0	
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0						
59 D	34.91	3.8269E-21	119.1	58.53	119.1	58.53	V-C	4.7008E+04	-11.60	116.0	
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0						
60 D	35.50	3.9516E-21	121.1	59.52	121.1	59.52	V-C	4.7008E+04	-11.80	118.0	
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0						
61 D	36.10	4.2151E-21	123.1	60.50	123.1	60.50	V-C	4.7008E+04	-12.00	120.0	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
62 D	36.68	4.6256E-21	124.9	61.39	124.9	61.39	V-C	2.2505E+04	-12.20	122.0	
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0						
63 D	37.26	5.1912E-21	126.7	62.28	126.7	62.28	V-C	2.2505E+04	-12.40	124.0	
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0						
64 D	37.83	5.9194E-21	128.5	63.16	128.5	63.16	V-C	2.2505E+04	-12.60	126.0	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
65 D	38.41	6.8179E-21	130.3	64.05	130.3	64.05	V-C	2.2505E+04	-12.80	128.0	
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0						
66 D	38.99	7.8937E-21	132.0	64.94	132.0	64.94	V-C	2.2505E+04	-13.00	130.0	
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0						
67 D	39.57	9.1538E-21	133.8	65.83	133.8	65.83	V-C	2.2505E+04	-13.20	132.0	
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0						
68 D	40.14	1.0605E-20	135.6	66.72	135.6	66.72	V-C	2.2505E+04	-13.40	134.0	
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0						

69	D	40.72	1.2254E-20	137.3	67.60	137.3	67.60	V-C	2.2505E+04	-13.60	136.0
1.000		1.000	203.6	0.000	0.000	Ug6_741_743_L_0					
70	D	41.30	1.4106E-20	139.1	68.49	139.1	68.49	V-C	2.2505E+04	-13.80	138.0
1.000		1.000	206.5	0.000	0.000	Ug6_741_743_L_0					
71	D	41.88	1.6167E-20	140.9	69.38	140.9	69.38	V-C	2.2505E+04	-14.00	140.0
1.000		1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
72	D	42.45	1.8436E-20	142.7	70.27	142.7	70.27	V-C	2.2505E+04	-14.20	142.0
1.000		1.000	212.3	0.000	0.000	Ug6_741_743_L_0					
73	D	43.03	2.0877E-20	144.4	71.16	144.4	71.16	V-C	2.2505E+04	-14.40	144.0
1.000		1.000	215.2	0.000	0.000	Ug6_741_743_L_0					
74	D	43.61	2.3421E-20	146.2	72.05	146.2	72.05	V-C	2.2505E+04	-14.60	146.0
1.000		1.000	218.1	0.000	0.000	Ug6_741_743_L_0					
75	D	44.19	2.5998E-20	148.0	72.94	148.0	72.94	V-C	2.2505E+04	-14.80	148.0
1.000		1.000	220.9	0.000	0.000	Ug6_741_743_L_0					
76	D	44.77	2.8571E-20	149.7	73.84	149.7	73.84	V-C	2.2505E+04	-15.00	150.0
1.000		1.000	223.8	0.000	0.000	Ug6_741_743_L_0					
77	D	45.35	3.1136E-20	151.5	74.73	151.5	74.73	V-C	2.2505E+04	-15.20	152.0
1.000		1.000	226.7	0.000	0.000	Ug6_741_743_L_0					
78	D	45.92	3.3696E-20	153.3	75.62	153.3	75.62	V-C	2.2505E+04	-15.40	154.0
1.000		1.000	229.6	0.000	0.000	Ug6_741_743_L_0					
79	D	46.50	3.6253E-20	155.1	76.51	155.1	76.51	V-C	2.2505E+04	-15.60	156.0
1.000		1.000	232.5	0.000	0.000	Ug6_741_743_L_0					
80	D	47.08	3.8808E-20	156.8	77.40	156.8	77.40	V-C	2.2505E+04	-15.80	158.0
1.000		1.000	235.4	0.000	0.000	Ug6_741_743_L_0					
81	D	23.83	4.1364E-20	158.6	78.29	158.6	78.29	V-C	2.2505E+04	-16.00	160.0
1.000		1.000	238.3	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -2.4162E-20   0.000       0.000       0.000       0.000            V-C  2.3371E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141     -2.4777E-20   2.000       1.570       2.000       1.570            V-C  2.3371E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411     -2.5391E-20   4.000       3.055       4.000       3.055            V-C  2.3371E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083     -2.6003E-20   6.000       4.413       6.000       4.413            V-C  2.3371E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730     -2.6609E-20   8.000       5.651       8.000       5.651            V-C  2.3371E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359     -2.7206E-20   10.00       6.797       10.00       6.797            V-C  2.3371E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976     -2.7788E-20   12.00       7.879       12.00       7.879            V-C  2.3371E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584     -2.8348E-20   14.00       8.919       14.00       8.919            V-C  2.3371E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186     -2.8881E-20   16.00       9.931       16.00       9.931            V-C  2.3371E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785     -2.9375E-20   18.00       10.93       18.00       10.93            V-C  2.3371E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381     -2.9823E-20   20.00       11.91       20.00       11.91            V-C  2.3371E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976     -3.0212E-20   22.00       12.88       22.00       12.88            V-C  2.3371E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570     -3.0536E-20   24.00       13.85       24.00       13.85            V-C  2.3371E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163     -3.0786E-20   26.00       14.82       26.00       14.82            V-C  2.3371E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756     -3.0954E-20   28.00       15.78       28.00       15.78            V-C  2.3371E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349     -3.1038E-20   30.00       16.74       30.00       16.74            V-C  2.3371E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941     -3.1035E-20   32.00       17.70       32.00       17.70            V-C  2.3371E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53     -3.0944E-20   34.00       18.66       34.00       18.66            V-C  2.3371E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13     -3.0761E-20   36.00       19.63       36.00       19.63            V-C  2.3371E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72     -3.0479E-20   38.00       20.59       38.00       20.59            V-C  2.3371E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31     -3.0094E-20   40.00       21.55       40.00       21.55            V-C  2.3371E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90     -2.9610E-20   42.00       22.51       42.00       22.51            V-C  2.3371E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49     -2.9036E-20   44.00       23.47       44.00       23.47            V-C  2.3371E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09     -2.8383E-20   46.00       24.43       46.00       24.43            V-C  2.3371E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68     -2.7660E-20   48.00       25.39       48.00       25.39            V-C  2.3371E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27     -2.6876E-20   50.00       26.36       50.00       26.36            V-C  2.3371E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86     -2.6040E-20   52.00       27.32       52.00       27.32            V-C  2.3371E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46     -2.5156E-20   54.00       28.28       54.00       28.28            V-C  2.3371E+04  -5.400       54.00
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1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0							
29 D	17.05	-2.4232E-20	56.00	29.25	56.00	29.25	V-C	2.3371E+04	-5.600	56.00		
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0							
30 D	17.64	-2.3274E-20	58.00	30.22	58.00	30.22	V-C	2.3371E+04	-5.800	58.00		
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0							
31 D	18.24	-2.2304E-20	60.00	31.18	60.00	31.18	V-C	2.3371E+04	-6.000	60.00		
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0							
32 D	18.83	-2.1345E-20	62.00	32.15	62.00	32.15	V-C	2.3371E+04	-6.200	62.00		
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0							
33 D	19.42	-2.0416E-20	64.00	33.12	64.00	33.12	V-C	2.3371E+04	-6.400	64.00		
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0							
34 D	20.02	-1.9521E-20	66.00	34.09	66.00	34.09	V-C	2.3371E+04	-6.600	66.00		
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0							
35 D	20.61	-1.8661E-20	68.00	35.06	68.00	35.06	V-C	2.3371E+04	-6.800	68.00		
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0							
36 D	21.21	-1.7835E-20	70.00	36.03	70.00	36.03	V-C	2.3371E+04	-7.000	70.00		
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0							
37 D	21.80	-1.7042E-20	72.00	37.00	72.00	37.00	V-C	2.3371E+04	-7.200	72.00		
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0							
38 D	22.39	-1.6281E-20	74.00	37.97	74.00	37.97	V-C	2.3371E+04	-7.400	74.00		
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0							
39 D	22.99	-1.5549E-20	76.00	38.94	76.00	38.94	V-C	2.3371E+04	-7.600	76.00		
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0							
40 D	23.58	-1.4839E-20	78.00	39.92	78.00	39.92	V-C	2.3371E+04	-7.800	78.00		
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0							
41 D	24.18	-1.4135E-20	80.00	40.89	80.00	40.89	V-C	2.3371E+04	-8.000	80.00		
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0							
42 D	24.77	-1.3428E-20	82.00	41.86	82.00	41.86	V-C	2.3371E+04	-8.200	82.00		
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0							
43 D	25.37	-1.2714E-20	84.00	42.84	84.00	42.84	V-C	2.3371E+04	-8.400	84.00		
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0							
44 D	25.96	-1.1987E-20	86.00	43.82	86.00	43.82	V-C	2.3371E+04	-8.600	86.00		
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0							
45 D	26.56	-1.1242E-20	88.00	44.79	88.00	44.79	V-C	2.3371E+04	-8.800	88.00		
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0							
46 D	27.15	-1.0475E-20	90.00	45.77	90.00	45.77	V-C	2.3371E+04	-9.000	90.00		
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0							
47 D	27.75	-9.6966E-21	92.00	46.75	92.00	46.75	V-C	2.3371E+04	-9.200	92.00		
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0							
48 D	28.35	-8.9200E-21	94.00	47.73	94.00	47.73	V-C	2.3371E+04	-9.400	94.00		
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0							
49 D	28.94	-8.1574E-21	96.00	48.71	96.00	48.71	V-C	2.3371E+04	-9.600	96.00		
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0							
50 D	29.54	-7.4213E-21	98.00	49.69	98.00	49.69	V-C	2.3371E+04	-9.800	98.00		
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0							
51 D	30.13	-6.7233E-21	100.00	50.67	100.00	50.67	V-C	2.3371E+04	-10.00	100.00		
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0							
52 D	30.73	-6.0750E-21	102.0	51.65	102.0	51.65	V-C	2.3371E+04	-10.20	102.0		
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0							
53 D	31.33	-5.4877E-21	104.0	52.63	104.0	52.63	V-C	2.3371E+04	-10.40	104.0		
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0							
54 D	31.92	-4.9720E-21	106.0	53.61	106.0	53.61	V-C	2.3371E+04	-10.60	106.0		
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0							
55 D	32.52	-4.5386E-21	108.0	54.60	108.0	54.60	V-C	2.3371E+04	-10.80	108.0		
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0							
56 D	33.12	-4.1976E-21	110.0	55.58	110.0	55.58	V-C	2.3371E+04	-11.00	110.0		
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0							
57 D	33.71	-3.9590E-21	112.0	56.56	112.0	56.56	V-C	2.3371E+04	-11.20	112.0		
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0							
58 D	34.31	-3.8323E-21	114.0	57.55	114.0	57.55	V-C	2.3371E+04	-11.40	114.0		
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0							
59 D	34.91	-3.8269E-21	116.0	58.53	116.0	58.53	V-C	2.3371E+04	-11.60	116.0		
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0							
60 D	35.50	-3.9516E-21	118.0	59.52	118.0	59.52	V-C	2.3371E+04	-11.80	118.0		
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0							
61 D	36.10	-4.2151E-21	120.0	60.50	120.0	60.50	V-C	2.3371E+04	-12.00	120.0		
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0							
62 D	36.68	-4.6256E-21	121.8	61.39	121.8	61.39	V-C	1.7574E+04	-12.20	122.0		
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0							
63 D	37.26	-5.1912E-21	123.6	62.28	123.6	62.28	V-C	1.7574E+04	-12.40	124.0		
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0							
64 D	37.83	-5.9194E-21	125.4	63.16	125.4	63.16	V-C	1.7574E+04	-12.60	126.0		
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0							
65 D	38.41	-6.8179E-21	127.2	64.05	127.2	64.05	V-C	1.7574E+04	-12.80	128.0		
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0							
66 D	38.99	-7.8937E-21	129.0	64.94	129.0	64.94	V-C	1.7574E+04	-13.00	130.0		
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0							
67 D	39.57	-9.1538E-21	130.8	65.83	130.8	65.83	V-C	1.7574E+04	-13.20	132.0		
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0							
68 D	40.14	-1.0605E-20	132.6	66.72	132.6	66.72	V-C	1.7574E+04	-13.40	134.0		
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0							

69 D	40.72	-1.2254E-20	134.4	67.60	134.4	67.60	V-C	1.7574E+04	-13.60	136.0	
1.000	1.000	203.6	0.000	0.000	Ug6_741_743_L_0						
70 D	41.30	-1.4106E-20	136.2	68.49	136.2	68.49	V-C	1.7574E+04	-13.80	138.0	
1.000	1.000	206.5	0.000	0.000	Ug6_741_743_L_0						
71 D	41.88	-1.6167E-20	138.0	69.38	138.0	69.38	V-C	1.7574E+04	-14.00	140.0	
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0						
72 D	42.45	-1.8436E-20	139.8	70.27	139.8	70.27	V-C	1.7574E+04	-14.20	142.0	
1.000	1.000	212.3	0.000	0.000	Ug6_741_743_L_0						
73 D	43.03	-2.0877E-20	141.6	71.16	141.6	71.16	V-C	1.7574E+04	-14.40	144.0	
1.000	1.000	215.2	0.000	0.000	Ug6_741_743_L_0						
74 D	43.61	-2.3421E-20	143.4	72.05	143.4	72.05	V-C	1.7574E+04	-14.60	146.0	
1.000	1.000	218.1	0.000	0.000	Ug6_741_743_L_0						
75 D	44.19	-2.5998E-20	145.2	72.94	145.2	72.94	V-C	1.7574E+04	-14.80	148.0	
1.000	1.000	220.9	0.000	0.000	Ug6_741_743_L_0						
76 D	44.77	-2.8571E-20	147.0	73.84	147.0	73.84	V-C	1.7574E+04	-15.00	150.0	
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0						
77 D	45.35	-3.1136E-20	148.8	74.73	148.8	74.73	V-C	1.7574E+04	-15.20	152.0	
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0						
78 D	45.92	-3.3696E-20	150.6	75.62	150.6	75.62	V-C	1.7574E+04	-15.40	154.0	
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0						
79 D	46.50	-3.6253E-20	152.4	76.51	152.4	76.51	V-C	1.7574E+04	-15.60	156.0	
1.000	1.000	232.5	0.000	0.000	Ug6_741_743_L_0						
80 D	47.08	-3.8808E-20	154.2	77.40	154.2	77.40	V-C	1.7574E+04	-15.80	158.0	
1.000	1.000	235.4	0.000	0.000	Ug6_741_743_L_0						
81 D	23.83	-4.1364E-20	156.0	78.29	156.0	78.29	V-C	1.7574E+04	-16.00	160.0	
1.000	1.000	238.3	0.000	0.000	Ug6_741_743_L_0						

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.01855E-16-1.01855E-16-9.97120E-28 2.03710E-17
    2 3.05921E-16-3.05921E-16-2.03710E-17 8.15552E-17
    3 5.10341E-16-5.10341E-16-8.15552E-17 1.83623E-16
    4 7.15104E-16-7.15104E-16-1.83623E-16 3.26644E-16
    5 9.20187E-16-9.20187E-16-3.26644E-16 5.10682E-16
    6 1.12555E-15-1.12555E-15-5.10682E-16 7.35792E-16
    7 1.33115E-15-1.33115E-15-7.35792E-16 1.00202E-15
    8 1.53689E-15-1.53689E-15-1.00202E-15 1.30940E-15
    9 1.74270E-15-1.74270E-15-1.30940E-15 1.65794E-15
   10 1.94844E-15-1.94844E-15-1.65794E-15 2.04763E-15
   11 1.26579E-15-1.26579E-15-2.04763E-15 2.30079E-15
   12 1.47095E-15-1.47095E-15-2.30079E-15 2.59498E-15
   13 1.67556E-15-1.67556E-15-2.59498E-15 2.93009E-15
   14 1.03035E-16-1.03035E-16-2.93009E-15 2.95069E-15
   15 3.05875E-16-3.05875E-16-2.95069E-15 3.01187E-15
   16 5.07473E-16-5.07473E-16-3.01187E-15 3.11336E-15
   17 7.07570E-16-7.07570E-16-3.11336E-15 3.25488E-15
   18 9.05893E-16-9.05893E-16-3.25488E-15 3.43606E-15
   19 1.10216E-15-1.10216E-15-3.43606E-15 3.65649E-15
   20-4.80275E-16 4.80275E-16-3.65649E-15 3.56043E-15
   21-2.06534E-15 2.06534E-15-3.56043E-15 3.14737E-15
   22-1.87698E-15 1.87698E-15-3.14737E-15 2.77197E-15
   23-1.69184E-15 1.69184E-15-2.77197E-15 2.43360E-15
   24-1.51018E-15 1.51018E-15-2.43360E-15 2.13157E-15
   25-1.33229E-15 1.33229E-15-2.13157E-15 1.86511E-15
   26-1.15843E-15 1.15843E-15-1.86511E-15 1.63342E-15
   27-9.88823E-16 9.88823E-16-1.63342E-15 1.43566E-15
   28-8.23710E-16 8.23710E-16-1.43566E-15 1.27092E-15
   29-4.21600E-15 4.21600E-15-1.27092E-15 4.27716E-16
   30-4.06046E-15 4.06046E-15-4.27716E-16-3.84376E-16
   31-3.90995E-15 3.90995E-15 3.84376E-16-1.16636E-15
   32-2.11898E-16 2.11898E-16 1.16636E-15-1.20874E-15
   33-7.18352E-17 7.18352E-17 1.20874E-15-1.22311E-15
   34 6.28696E-17-6.28696E-17 1.22311E-15-1.21054E-15
   35 1.92162E-16-1.92162E-16 1.21054E-15-1.17210E-15
   36 3.16017E-16-3.16017E-16 1.17210E-15-1.10890E-15
   37 4.34436E-16-4.34436E-16 1.10890E-15-1.02201E-15
   38 5.47450E-16-5.47450E-16 1.02201E-15-9.12522E-16
   39 4.20783E-15-4.20783E-15 9.12522E-16-7.09562E-17
   40 7.57526E-16-7.57526E-16 7.09562E-17 8.05489E-17
   41 8.54793E-16-8.54793E-16-8.05489E-17 2.51508E-16
   42 9.47066E-16-9.47066E-16-2.51508E-16 4.40921E-16
   43 1.03452E-15-1.03452E-15-4.40921E-16 6.47825E-16
   44 1.11737E-15-1.11737E-15-6.47825E-16 8.71297E-16
   45-2.35688E-15 2.35688E-15-8.71297E-16 3.99922E-16
   46-2.28251E-15 2.28251E-15-3.99922E-16-5.65810E-17
   47-2.21196E-15 2.21196E-15 5.65810E-17-4.98972E-16
   48-2.14487E-15 2.14487E-15 4.98972E-16-9.27947E-16
   49-2.08091E-15 2.08091E-15 9.27947E-16-1.34413E-15
   50-2.01968E-15 2.01968E-15 1.34413E-15-1.74806E-15
   51-1.96075E-15 1.96075E-15 1.74806E-15-2.14022E-15
   52-1.90368E-15 1.90368E-15 2.14022E-15-2.52094E-15
   53-1.84801E-15 1.84801E-15 2.52094E-15-2.89054E-15
   54-1.79324E-15 1.79324E-15 2.89054E-15-3.24919E-15
   55-1.73886E-15 1.73886E-15 3.24919E-15-3.59696E-15
   56-1.68433E-15 1.68433E-15 3.59696E-15-3.93383E-15
   57-1.62910E-15 1.62910E-15 3.93383E-15-4.25965E-15
   58-1.57264E-15 1.57264E-15 4.25965E-15-4.57418E-15
   59-1.51436E-15 1.51436E-15 4.57418E-15-4.87705E-15
```

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   60-1.45373E-15 1.45373E-15 4.87705E-15-5.16779E-15
   61-1.39017E-15 1.39017E-15 5.16779E-15-5.44583E-15
   62-1.35201E-15 1.35201E-15 5.44583E-15-5.71623E-15
   63-1.31157E-15 1.31157E-15 5.71623E-15-5.97854E-15
   64-1.26856E-15 1.26856E-15 5.97854E-15-6.23226E-15
   65-1.22271E-15 1.22271E-15 6.23226E-15-6.47680E-15
   66-1.17375E-15 1.17375E-15 6.47680E-15-6.71155E-15
   67-1.12143E-15 1.12143E-15 6.71155E-15-6.93584E-15
   68-1.06551E-15 1.06551E-15 6.93584E-15-7.14894E-15
   69-1.00579E-15 1.00579E-15 7.14894E-15-7.35010E-15
   70-9.42073E-16 9.42073E-16 7.35010E-15-7.53851E-15
   71 6.23125E-15-6.23125E-15 7.53851E-15-6.29226E-15
   72 1.34089E-14-1.34089E-14 6.29226E-15-3.61048E-15
   73 1.34856E-14-1.34856E-14 3.61048E-15-9.13372E-16
   74 6.46137E-15-6.46137E-15 9.13372E-16 3.78901E-16
   75-5.58183E-16 5.58183E-16-3.78901E-16 2.67264E-16
   76-4.67589E-16 4.67589E-16-2.67264E-16 1.73747E-16
   77-3.72232E-16 3.72232E-16-1.73747E-16 9.93002E-17
   78-2.72078E-16 2.72078E-16-9.93002E-17 4.48846E-17
   79-1.67108E-16 1.67108E-16-4.48846E-17 1.14630E-17
   80-5.73122E-17 5.73122E-17-1.14630E-17 1.81754E-27

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 302.6     REMNOR=0.6218E-52 RATIO =0.5168E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.5168E-01 RATIOR= 0.000
           MAX UN= 3.327     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.1019E-15 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 12.00     REMNOR=0.2777E-21 RATIO =0.1029E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1029E-01 RATIOR= 0.000
           MAX UN= 1.661     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2766E-10 IEQ=   101 NODE     51 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM= 8.122     REMNOR=0.8119E-21 RATIO =0.8467E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.8467E-02 RATIOR= 0.000
           MAX UN= 1.821     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.1256E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM=0.1593     REMNOR=0.3171E-21 RATIO =0.1186E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1186E-02 RATIOR= 0.000
           MAX UN=0.3826     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.1306E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1597E-26
           RENORM=0.5649E-05 REMNOR=0.1304E-21 RATIO =0.7061E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.57     RMMAX =0.7539E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.7061E-05 RATIOR= 0.000
           MAX UN=0.2377E-02 IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.7402E-10 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3603417E-04  -6.4828788E-05
    2   3.2306842E-04  -6.4828788E-05
    3   3.1010312E-04  -6.4821809E-05
    4   2.9714156E-04  -6.4786883E-05
    5   2.8419257E-04  -6.4688990E-05
    6   2.7127343E-04  -6.4478991E-05
    7   2.5841267E-04  -6.4093590E-05
    8   2.4565005E-04  -6.3497418E-05
    9   2.3302770E-04  -6.2691200E-05
   10   2.2058739E-04  -6.1677611E-05
   11   2.0837018E-04  -6.0461110E-05
   12   1.9641607E-04  -5.9047861E-05
   13   1.8476364E-04  -5.7445597E-05
   14   1.7344980E-04  -5.5663717E-05
   15   1.6250939E-04  -5.3713318E-05
   16   1.5197486E-04  -5.1607145E-05
   17   1.4187590E-04  -4.9359639E-05
   18   1.3223929E-04  -4.6987104E-05
   19   1.2308819E-04  -4.4507704E-05
   20   1.1444199E-04  -4.1941514E-05
   21   1.0631593E-04  -3.9310643E-05
   22   9.8720477E-05  -3.6639264E-05
   23   9.1661172E-05  -3.3953706E-05
   24   8.5138036E-05  -3.1282537E-05
   25   7.9145276E-05  -2.8654586E-05
   26   7.3671627E-05  -2.6095243E-05
   27   6.8701258E-05  -2.3625078E-05
   28   6.4214598E-05  -2.1260266E-05
   29   6.0189307E-05  -1.9013124E-05
   30   5.6600914E-05  -1.6892504E-05
   31   5.3423483E-05  -1.4904224E-05
   32   5.0630203E-05  -1.3051469E-05
   33   4.8193815E-05  -1.1335136E-05
   34   4.6087118E-05  -9.7542585E-06
   35   4.4283265E-05  -8.3060776E-06
   36   4.2756138E-05  -6.9861261E-06
   37   4.1480660E-05  -5.7885802E-06
   38   4.0433012E-05  -4.7065480E-06
   39   3.9590850E-05  -3.7323882E-06
   40   3.8933409E-05  -2.8579408E-06
   41   3.8441590E-05  -2.0747404E-06
   42   3.8098005E-05  -1.3741525E-06
   43   3.7886999E-05  -7.4751132E-07
   44   3.7794640E-05  -1.8628801E-07
   45   3.7808672E-05   3.1775652E-07
   46   3.7918452E-05   7.7244676E-07
   47   3.8114846E-05   1.1850564E-06
   48   3.8390111E-05   1.5622098E-06
   49   3.8737757E-05   1.9097797E-06
   50   3.9152384E-05   2.2327960E-06
   51   3.9629511E-05   2.5353679E-06
   52   4.0165389E-05   2.8206044E-06
   53   4.0756713E-05   3.0905064E-06
   54   4.1400601E-05   3.3459933E-06
   55   4.2094127E-05   3.5867281E-06
   56   4.2834203E-05   3.8111186E-06
   57   4.3617290E-05   4.0162457E-06
   58   4.4439130E-05   4.1978099E-06
   59   4.5294461E-05   4.3500826E-06
   60   4.6176730E-05   4.4658626E-06
   61   4.7077793E-05   4.5364400E-06
   62   4.7987610E-05   4.5515692E-06
   63   4.8894766E-05   4.5118715E-06
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64	4.9789485E-05	4.4290668E-06
65	5.0664228E-05	4.3137956E-06
66	5.1513477E-05	4.1756306E-06
67	5.2333522E-05	4.0230920E-06
68	5.3122254E-05	3.8636666E-06
69	5.3878961E-05	3.7038283E-06
70	5.4604124E-05	3.5490604E-06
71	5.5299224E-05	3.4038770E-06
72	5.5966551E-05	3.2718441E-06
73	5.6609014E-05	3.1556001E-06
74	5.7229959E-05	3.0568734E-06
75	5.7832987E-05	2.9764983E-06
76	5.8421779E-05	2.9144290E-06
77	5.8999918E-05	2.8697502E-06
78	5.9570720E-05	2.8406863E-06
79	6.0137058E-05	2.8246070E-06
80	6.0701196E-05	2.8180317E-06
81	6.1264644E-05	2.8166319E-06

```
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.3603E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4903     -3.2307E-04   2.073      0.5161       2.073       1.603          ACTIVE   0.000     -0.2000       1.935
1.000       1.000       2.452       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9826     -3.1010E-04   4.186       1.042       4.186       3.119          ACTIVE   0.000     -0.4000       3.871
1.000       1.000       4.913       0.000       0.000     Ug5_2_8_L_0
   4 D   1.478     -2.9714E-04   6.351       1.581       6.351       4.509          ACTIVE   0.000     -0.6000       5.806
1.000       1.000       7.388       0.000       0.000     Ug5_2_8_L_0
   5 D   1.974     -2.8419E-04   8.555       2.130       8.555       5.780          ACTIVE   0.000     -0.8000       7.742
1.000       1.000       9.872       0.000       0.000     Ug5_2_8_L_0
   6 D   2.472     -2.7127E-04   10.78       2.683       10.78       6.958          ACTIVE   0.000      -1.000       9.677
1.000       1.000       12.36       0.000       0.000     Ug5_2_8_L_0
   7 D   2.970     -2.5841E-04   13.00       3.236       13.00       8.073          ACTIVE   0.000      -1.200       11.61
1.000       1.000       14.85       0.000       0.000     Ug5_2_8_L_0
   8 D   3.473     -2.4565E-04   15.33       3.816       15.33       9.145          ACTIVE   0.000      -1.400       13.55
1.000       1.000       17.36       0.000       0.000     Ug5_2_8_L_0
   9 D   3.978     -2.3303E-04   17.69       4.405       17.69       10.19          ACTIVE   0.000      -1.600       15.48
1.000       1.000       19.89       0.000       0.000     Ug5_2_8_L_0
  10 D   4.472     -2.2059E-04   19.84       4.941       19.84       11.22          ACTIVE   0.000      -1.800       17.42
1.000       1.000       22.36       0.000       0.000     Ug5_2_8_L_0
  11 D   4.973     -2.0837E-04   22.13       5.510       22.13       12.23          ACTIVE   0.000      -2.000       19.35
1.000       1.000       24.87       0.000       0.000     Ug5_2_8_L_0
  12 D   5.472     -1.9642E-04   24.38       6.071       24.38       13.24          ACTIVE   0.000      -2.200       21.29
1.000       1.000       27.36       0.000       0.000     Ug5_2_8_L_0
  13 D   5.964     -1.8476E-04   26.48       6.594       26.48       14.24          ACTIVE   0.000      -2.400       23.23
1.000       1.000       29.82       0.000       0.000     Ug5_2_8_L_0
  14 D   6.461     -1.7345E-04   28.70       7.145       28.70       15.24          ACTIVE   0.000      -2.600       25.16
1.000       1.000       32.31       0.000       0.000     Ug5_2_8_L_0
  15 D   6.958     -1.6251E-04   30.89       7.691       30.89       16.23          ACTIVE   0.000      -2.800       27.10
1.000       1.000       34.79       0.000       0.000     Ug5_2_8_L_0
  16 D   7.453     -1.5197E-04   33.06       8.233       33.06       17.23          ACTIVE   0.000      -3.000       29.03
1.000       1.000       37.27       0.000       0.000     Ug5_2_8_L_0
  17 D   7.944     -1.4188E-04   35.14       8.750       35.14       18.22          ACTIVE   0.000      -3.200       30.97
1.000       1.000       39.72       0.000       0.000     Ug5_2_8_L_0
  18 D   8.438     -1.3224E-04   37.30       9.287       37.30       19.21          ACTIVE   0.000      -3.400       32.90
1.000       1.000       42.19       0.000       0.000     Ug5_2_8_L_0
  19 D   8.932     -1.2309E-04   39.45       9.823       39.45       20.21          ACTIVE   0.000      -3.600       34.84
1.000       1.000       44.66       0.000       0.000     Ug5_2_8_L_0
  20 D   9.422     -1.1444E-04   41.51       10.34       41.51       21.20          ACTIVE   0.000      -3.800       36.77
1.000       1.000       47.11       0.000       0.000     Ug5_2_8_L_0
  21 D   9.916     -1.0632E-04   43.65       10.87       43.65       22.19          ACTIVE   0.000      -4.000       38.71
1.000       1.000       49.58       0.000       0.000     Ug5_2_8_L_0
  22 D   10.41     -9.8720E-05   45.78       11.40       45.78       23.18          ACTIVE   0.000      -4.200       40.65
1.000       1.000       52.05       0.000       0.000     Ug5_2_8_L_0
  23 D   10.90     -9.1661E-05   47.84       11.91       47.84       24.18          ACTIVE   0.000      -4.400       42.58
1.000       1.000       54.49       0.000       0.000     Ug5_2_8_L_0
  24 D   11.54     -8.5138E-05   49.97       13.17       49.97       25.17           UL-RL  1.4103E+05  -4.600       44.52
1.000       1.000       57.68       0.000       0.000     Ug5_2_8_L_0
  25 D   12.29     -7.9145E-05   52.09       15.01       52.09       26.17           UL-RL  1.4103E+05  -4.800       46.45
1.000       1.000       61.46       0.000       0.000     Ug5_2_8_L_0
  26 D   13.03     -7.3672E-05   54.20       16.77       54.20       27.16           UL-RL  1.4103E+05  -5.000       48.39
1.000       1.000       65.16       0.000       0.000     Ug5_2_8_L_0
  27 D   13.76     -6.8701E-05   56.26       18.47       56.26       28.16           UL-RL  1.4103E+05  -5.200       50.32
1.000       1.000       68.79       0.000       0.000     Ug5_2_8_L_0
  28 D   14.47     -6.4215E-05   58.37       20.10       58.37       29.16           UL-RL  1.4103E+05  -5.400       52.26
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1.000	1.000	72.36	0.000	0.000	Ug5_2_8_L_0						
29 D	15.17	-6.0189E-05	60.48	21.66	60.48	30.15	UL-RL	1.4103E+05	-5.600	54.19	
1.000	1.000	75.86	0.000	0.000	Ug5_2_8_L_0						
30 D	15.86	-5.6601E-05	62.53	23.17	62.53	31.15	UL-RL	1.4103E+05	-5.800	56.13	
1.000	1.000	79.30	0.000	0.000	Ug5_2_8_L_0						
31 D	16.54	-5.3423E-05	64.63	24.62	64.63	32.15	UL-RL	1.4103E+05	-6.000	58.06	
1.000	1.000	82.68	0.000	0.000	Ug5_2_8_L_0						
32 D	17.20	-5.0630E-05	66.74	26.01	66.74	33.15	UL-RL	1.4103E+05	-6.200	60.00	
1.000	1.000	86.01	0.000	0.000	Ug5_2_8_L_0						
33 D	17.86	-4.8194E-05	68.79	27.35	68.79	34.15	UL-RL	1.4103E+05	-6.400	61.94	
1.000	1.000	89.29	0.000	0.000	Ug5_2_8_L_0						
34 D	18.50	-4.6087E-05	70.89	28.65	70.89	35.15	UL-RL	1.4103E+05	-6.600	63.87	
1.000	1.000	92.52	0.000	0.000	Ug5_2_8_L_0						
35 D	19.14	-4.4283E-05	72.98	29.91	72.98	36.15	UL-RL	1.4103E+05	-6.800	65.81	
1.000	1.000	95.71	0.000	0.000	Ug5_2_8_L_0						
36 D	19.77	-4.2756E-05	75.08	31.13	75.08	37.16	UL-RL	1.4103E+05	-7.000	67.74	
1.000	1.000	98.87	0.000	0.000	Ug5_2_8_L_0						
37 D	20.40	-4.1481E-05	77.13	32.31	77.13	38.16	UL-RL	1.4103E+05	-7.200	69.68	
1.000	1.000	102.0	0.000	0.000	Ug5_2_8_L_0						
38 D	21.01	-4.0433E-05	79.22	33.46	79.22	39.16	UL-RL	1.4103E+05	-7.400	71.61	
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0						
39 D	21.63	-3.9591E-05	81.32	34.58	81.32	40.17	UL-RL	1.4103E+05	-7.600	73.55	
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0						
40 D	22.23	-3.8933E-05	83.37	35.68	83.37	41.17	UL-RL	1.4103E+05	-7.800	75.48	
1.000	1.000	111.2	0.000	0.000	Ug5_2_8_L_0						
41 D	22.84	-3.8442E-05	85.46	36.76	85.46	42.18	UL-RL	1.4103E+05	-8.000	77.42	
1.000	1.000	114.2	0.000	0.000	Ug5_2_8_L_0						
42 D	23.43	-3.8098E-05	87.55	37.81	87.55	43.19	UL-RL	1.4103E+05	-8.200	79.35	
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0						
43 D	24.03	-3.7887E-05	89.60	38.85	89.60	44.19	UL-RL	1.4103E+05	-8.400	81.29	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
44 D	24.62	-3.7795E-05	91.69	39.87	91.69	45.20	UL-RL	1.4103E+05	-8.600	83.23	
1.000	1.000	123.1	0.000	0.000	Ug5_2_8_L_0						
45 D	25.21	-3.7809E-05	93.77	40.88	93.77	46.21	UL-RL	1.4103E+05	-8.800	85.16	
1.000	1.000	126.0	0.000	0.000	Ug5_2_8_L_0						
46 D	25.79	-3.7918E-05	95.86	41.87	95.86	47.22	UL-RL	1.4103E+05	-9.000	87.10	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
47 D	26.38	-3.8115E-05	97.91	42.86	97.91	48.23	UL-RL	1.4103E+05	-9.200	89.03	
1.000	1.000	131.9	0.000	0.000	Ug5_2_8_L_0						
48 D	26.96	-3.8390E-05	100.00	43.83	100.00	49.24	UL-RL	1.4103E+05	-9.400	90.97	
1.000	1.000	134.8	0.000	0.000	Ug5_2_8_L_0						
49 D	27.54	-3.8738E-05	102.1	44.79	102.1	50.26	UL-RL	1.4103E+05	-9.600	92.90	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
50 D	28.12	-3.9152E-05	104.1	45.75	104.1	51.27	UL-RL	1.4103E+05	-9.800	94.84	
1.000	1.000	140.6	0.000	0.000	Ug5_2_8_L_0						
51 D	28.69	-3.9630E-05	106.2	46.69	106.2	52.28	UL-RL	1.4103E+05	-10.00	96.77	
1.000	1.000	143.5	0.000	0.000	Ug5_2_8_L_0						
52 D	29.27	-4.0165E-05	108.3	47.63	108.3	53.29	UL-RL	1.4103E+05	-10.20	98.71	
1.000	1.000	146.3	0.000	0.000	Ug5_2_8_L_0						
53 D	29.84	-4.0757E-05	110.3	48.56	110.3	54.31	UL-RL	1.4103E+05	-10.40	100.6	
1.000	1.000	149.2	0.000	0.000	Ug5_2_8_L_0						
54 D	30.41	-4.1401E-05	112.4	49.48	112.4	55.32	UL-RL	1.4103E+05	-10.60	102.6	
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0						
55 D	30.98	-4.2094E-05	114.5	50.40	114.5	56.34	UL-RL	1.4103E+05	-10.80	104.5	
1.000	1.000	154.9	0.000	0.000	Ug5_2_8_L_0						
56 D	31.55	-4.2834E-05	116.6	51.31	116.6	57.35	UL-RL	1.4103E+05	-11.00	106.5	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
57 D	32.12	-4.3617E-05	118.6	52.22	118.6	58.37	UL-RL	1.4103E+05	-11.20	108.4	
1.000	1.000	160.6	0.000	0.000	Ug5_2_8_L_0						
58 D	32.69	-4.4439E-05	120.7	53.12	120.7	59.39	UL-RL	1.4103E+05	-11.40	110.3	
1.000	1.000	163.4	0.000	0.000	Ug5_2_8_L_0						
59 D	33.25	-4.5294E-05	122.8	54.02	122.8	60.40	UL-RL	1.4103E+05	-11.60	112.3	
1.000	1.000	166.3	0.000	0.000	Ug5_2_8_L_0						
60 D	33.82	-4.6177E-05	124.9	54.91	124.9	61.42	UL-RL	1.4103E+05	-11.80	114.2	
1.000	1.000	169.1	0.000	0.000	Ug5_2_8_L_0						
61 D	34.39	-4.7078E-05	126.9	55.80	126.9	62.44	UL-RL	1.4103E+05	-12.00	116.1	
1.000	1.000	171.9	0.000	0.000	Ug5_2_8_L_0						
62 D	35.64	-4.7988E-05	128.8	60.12	128.8	63.36	UL-RL	6.7514E+04	-12.20	118.1	
1.000	1.000	178.2	0.000	0.000	Ug6_741_743_L_0						
63 D	36.19	-4.8895E-05	130.7	60.97	130.7	64.28	UL-RL	6.7514E+04	-12.40	120.0	
1.000	1.000	181.0	0.000	0.000	Ug6_741_743_L_0						
64 D	36.75	-4.9789E-05	132.5	61.83	132.5	65.20	UL-RL	6.7514E+04	-12.60	121.9	
1.000	1.000	183.8	0.000	0.000	Ug6_741_743_L_0						
65 D	37.31	-5.0664E-05	134.4	62.69	134.4	66.12	UL-RL	6.7514E+04	-12.80	123.9	
1.000	1.000	186.6	0.000	0.000	Ug6_741_743_L_0						
66 D	37.87	-5.1513E-05	136.2	63.56	136.2	67.04	UL-RL	6.7514E+04	-13.00	125.8	
1.000	1.000	189.4	0.000	0.000	Ug6_741_743_L_0						
67 D	38.43	-5.2334E-05	138.1	64.42	138.1	67.96	UL-RL	6.7514E+04	-13.20	127.7	
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0						
68 D	38.99	-5.3122E-05	139.9	65.29	139.9	68.88	UL-RL	6.7514E+04	-13.40	129.7	
1.000	1.000	195.0	0.000	0.000	Ug6_741_743_L_0						

69 D	39.55	-5.3879E-05	141.7	66.16	141.7	69.80	UL-RL	6.7514E+04	-13.60	131.6
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
70 D	40.12	-5.4604E-05	143.6	67.03	143.6	70.72	UL-RL	6.7514E+04	-13.80	133.5
1.000	1.000	200.6	0.000	0.000	Ug6_741_743_L_0					
71 D	40.68	-5.5299E-05	145.4	67.91	145.4	71.64	UL-RL	6.7514E+04	-14.00	135.5
1.000	1.000	203.4	0.000	0.000	Ug6_741_743_L_0					
72 D	41.24	-5.5967E-05	147.2	68.78	147.2	72.56	UL-RL	6.7514E+04	-14.20	137.4
1.000	1.000	206.2	0.000	0.000	Ug6_741_743_L_0					
73 D	41.80	-5.6609E-05	149.1	69.66	149.1	73.49	UL-RL	6.7514E+04	-14.40	139.4
1.000	1.000	209.0	0.000	0.000	Ug6_741_743_L_0					
74 D	42.37	-5.7230E-05	150.9	70.54	150.9	74.41	UL-RL	6.7514E+04	-14.60	141.3
1.000	1.000	211.8	0.000	0.000	Ug6_741_743_L_0					
75 D	42.93	-5.7833E-05	152.7	71.43	152.7	75.33	UL-RL	6.7514E+04	-14.80	143.2
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0					
76 D	43.49	-5.8422E-05	154.6	72.31	154.6	76.25	UL-RL	6.7514E+04	-15.00	145.2
1.000	1.000	217.5	0.000	0.000	Ug6_741_743_L_0					
77 D	44.06	-5.9000E-05	156.4	73.20	156.4	77.18	UL-RL	6.7514E+04	-15.20	147.1
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0					
78 D	44.62	-5.9571E-05	158.3	74.08	158.3	78.10	UL-RL	6.7514E+04	-15.40	149.0
1.000	1.000	223.1	0.000	0.000	Ug6_741_743_L_0					
79 D	45.19	-6.0137E-05	160.1	74.97	160.1	79.03	UL-RL	6.7514E+04	-15.60	151.0
1.000	1.000	225.9	0.000	0.000	Ug6_741_743_L_0					
80 D	45.75	-6.0701E-05	161.9	75.85	161.9	79.95	UL-RL	6.7514E+04	-15.80	152.9
1.000	1.000	228.8	0.000	0.000	Ug6_741_743_L_0					
81 D	23.16	-6.1265E-05	163.8	76.74	163.8	80.88	UL-RL	6.7514E+04	-16.00	154.8
1.000	1.000	231.6	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      2.7127E-04   0.000       0.000       10.00       6.797       PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.957      2.5841E-04   1.935       12.72       12.00       12.72           V-C  2.3371E+04  -1.200       2.065
1.000       1.000       14.79       0.000       0.000     Ug5_2_8_L_0
   8 D   3.537      2.4565E-04   3.871       13.55       14.00       13.55           V-C  2.3371E+04  -1.400       4.129
1.000       1.000       17.68       0.000       0.000     Ug5_2_8_L_0
   9 D   4.102      2.3303E-04   5.806       14.32       16.00       14.32           V-C  2.3371E+04  -1.600       6.194
1.000       1.000       20.51       0.000       0.000     Ug5_2_8_L_0
  10 D   4.661      2.2059E-04   7.742       15.05       18.00       15.05           V-C  2.3371E+04  -1.800       8.258
1.000       1.000       23.31       0.000       0.000     Ug5_2_8_L_0
  11 D   5.217      2.0837E-04   9.677       15.76       20.00       15.76           V-C  2.3371E+04  -2.000       10.32
1.000       1.000       26.09       0.000       0.000     Ug5_2_8_L_0
  12 D   5.771      1.9642E-04   11.61       16.47       22.00       16.47           V-C  2.3371E+04  -2.200       12.39
1.000       1.000       28.86       0.000       0.000     Ug5_2_8_L_0
  13 D   6.325      1.8476E-04   13.55       17.17       24.00       17.17           V-C  2.3371E+04  -2.400       14.45
1.000       1.000       31.63       0.000       0.000     Ug5_2_8_L_0
  14 D   6.880      1.7345E-04   15.48       17.88       26.00       17.88           V-C  2.3371E+04  -2.600       16.52
1.000       1.000       34.40       0.000       0.000     Ug5_2_8_L_0
  15 D   7.435      1.6251E-04   17.42       18.59       28.00       18.59           V-C  2.3371E+04  -2.800       18.58
1.000       1.000       37.17       0.000       0.000     Ug5_2_8_L_0
  16 D   7.991      1.5197E-04   19.35       19.31       30.00       19.31           V-C  2.3371E+04  -3.000       20.65
1.000       1.000       39.96       0.000       0.000     Ug5_2_8_L_0
  17 D   8.549      1.4188E-04   21.29       20.04       32.00       20.04           V-C  2.3371E+04  -3.200       22.71
1.000       1.000       42.75       0.000       0.000     Ug5_2_8_L_0
  18 D   9.109      1.3224E-04   23.23       20.77       34.00       20.77           V-C  2.3371E+04  -3.400       24.77
1.000       1.000       45.55       0.000       0.000     Ug5_2_8_L_0
  19 D   9.671      1.2309E-04   25.16       21.52       36.00       21.52           V-C  2.3371E+04  -3.600       26.84
1.000       1.000       48.36       0.000       0.000     Ug5_2_8_L_0
  20 D   10.24      1.1444E-04   27.10       22.27       38.00       22.27           V-C  2.3371E+04  -3.800       28.90
1.000       1.000       51.18       0.000       0.000     Ug5_2_8_L_0
  21 D   10.80      1.0632E-04   29.03       23.04       40.00       23.04           V-C  2.3371E+04  -4.000       30.97
1.000       1.000       54.01       0.000       0.000     Ug5_2_8_L_0
  22 D   11.37      9.8720E-05   30.97       23.83       42.00       23.83           V-C  2.3371E+04  -4.200       33.03
1.000       1.000       56.86       0.000       0.000     Ug5_2_8_L_0
  23 D   11.94      9.1661E-05   32.90       24.62       44.00       24.62           V-C  2.3371E+04  -4.400       35.10
1.000       1.000       59.72       0.000       0.000     Ug5_2_8_L_0
  24 D   12.52      8.5138E-05   34.84       25.43       46.00       25.43           V-C  2.3371E+04  -4.600       37.16
1.000       1.000       62.59       0.000       0.000     Ug5_2_8_L_0
  25 D   13.09      7.9145E-05   36.77       26.25       48.00       26.25           V-C  2.3371E+04  -4.800       39.23
1.000       1.000       65.47       0.000       0.000     Ug5_2_8_L_0
  26 D   13.67      7.3672E-05   38.71       27.08       50.00       27.08           V-C  2.3371E+04  -5.000       41.29
1.000       1.000       68.37       0.000       0.000     Ug5_2_8_L_0
  27 D   14.26      6.8701E-05   40.65       27.92       52.00       27.92           V-C  2.3371E+04  -5.200       43.35
1.000       1.000       71.28       0.000       0.000     Ug5_2_8_L_0
  28 D   14.84      6.4215E-05   42.58       28.78       54.00       28.78           V-C  2.3371E+04  -5.400       45.42
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1.000	1.000	74.20	0.000	0.000	Ug5_2_8_L_0						
29 D	15.43	6.0189E-05	44.52	29.64	56.00	29.64	V-C	2.3371E+04	-5.600	47.48	
1.000	1.000	77.13	0.000	0.000	Ug5_2_8_L_0						
30 D	16.01	5.6601E-05	46.45	30.52	58.00	30.52	V-C	2.3371E+04	-5.800	49.55	
1.000	1.000	80.07	0.000	0.000	Ug5_2_8_L_0						
31 D	16.60	5.3423E-05	48.39	31.41	60.00	31.41	V-C	2.3371E+04	-6.000	51.61	
1.000	1.000	83.02	0.000	0.000	Ug5_2_8_L_0						
32 D	17.20	5.0630E-05	50.32	32.31	62.00	32.31	V-C	2.3371E+04	-6.200	53.68	
1.000	1.000	85.99	0.000	0.000	Ug5_2_8_L_0						
33 D	17.79	4.8194E-05	52.26	33.22	64.00	33.22	V-C	2.3371E+04	-6.400	55.74	
1.000	1.000	88.96	0.000	0.000	Ug5_2_8_L_0						
34 D	18.37	4.6087E-05	54.19	34.07	66.00	34.16	UL-RL	7.0113E+04	-6.600	57.81	
1.000	1.000	91.87	0.000	0.000	Ug5_2_8_L_0						
35 D	18.96	4.4283E-05	56.13	34.92	68.00	35.12	UL-RL	7.0113E+04	-6.800	59.87	
1.000	1.000	94.80	0.000	0.000	Ug5_2_8_L_0						
36 D	19.55	4.2756E-05	58.06	35.80	70.00	36.08	UL-RL	7.0113E+04	-7.000	61.94	
1.000	1.000	97.74	0.000	0.000	Ug5_2_8_L_0						
37 D	20.14	4.1481E-05	60.00	36.70	72.00	37.03	UL-RL	7.0113E+04	-7.200	64.00	
1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0						
38 D	20.74	4.0433E-05	61.94	37.61	74.00	37.99	UL-RL	7.0113E+04	-7.400	66.06	
1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0						
39 D	21.33	3.9591E-05	63.87	38.54	76.00	38.95	UL-RL	7.0113E+04	-7.600	68.13	
1.000	1.000	106.7	0.000	0.000	Ug5_2_8_L_0						
40 D	21.93	3.8933E-05	65.81	39.47	78.00	39.92	UL-RL	7.0113E+04	-7.800	70.19	
1.000	1.000	109.7	0.000	0.000	Ug5_2_8_L_0						
41 D	22.53	3.8442E-05	67.74	40.39	80.00	40.89	UL-RL	7.0113E+04	-8.000	72.26	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
42 D	23.13	3.8098E-05	69.68	41.33	82.00	41.86	UL-RL	7.0113E+04	-8.200	74.32	
1.000	1.000	115.7	0.000	0.000	Ug5_2_8_L_0						
43 D	23.73	3.7887E-05	71.61	42.28	84.00	42.84	UL-RL	7.0113E+04	-8.400	76.39	
1.000	1.000	118.7	0.000	0.000	Ug5_2_8_L_0						
44 D	24.34	3.7795E-05	73.55	43.23	86.00	43.82	UL-RL	7.0113E+04	-8.600	78.45	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
45 D	24.94	3.7809E-05	75.48	44.19	88.00	44.79	UL-RL	7.0113E+04	-8.800	80.52	
1.000	1.000	124.7	0.000	0.000	Ug5_2_8_L_0						
46 D	25.55	3.7918E-05	77.42	45.17	90.00	45.77	UL-RL	7.0113E+04	-9.000	82.58	
1.000	1.000	127.7	0.000	0.000	Ug5_2_8_L_0						
47 D	26.16	3.8115E-05	79.35	46.14	92.00	46.75	UL-RL	7.0113E+04	-9.200	84.65	
1.000	1.000	130.8	0.000	0.000	Ug5_2_8_L_0						
48 D	26.77	3.8390E-05	81.29	47.13	94.00	47.73	UL-RL	7.0113E+04	-9.400	86.71	
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0						
49 D	27.38	3.8738E-05	83.23	48.12	96.00	48.71	UL-RL	7.0113E+04	-9.600	88.77	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
50 D	27.99	3.9152E-05	85.16	49.11	98.00	49.69	UL-RL	7.0113E+04	-9.800	90.84	
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0						
51 D	28.60	3.9630E-05	87.10	50.11	100.00	50.67	UL-RL	7.0113E+04	-10.00	92.90	
1.000	1.000	143.0	0.000	0.000	Ug5_2_8_L_0						
52 D	29.22	4.0165E-05	89.03	51.11	102.0	51.65	UL-RL	7.0113E+04	-10.20	94.97	
1.000	1.000	146.1	0.000	0.000	Ug5_2_8_L_0						
53 D	29.83	4.0757E-05	90.97	52.12	104.0	52.63	UL-RL	7.0113E+04	-10.40	97.03	
1.000	1.000	149.2	0.000	0.000	Ug5_2_8_L_0						
54 D	30.45	4.1401E-05	92.90	53.13	106.0	53.61	UL-RL	7.0113E+04	-10.60	99.10	
1.000	1.000	152.2	0.000	0.000	Ug5_2_8_L_0						
55 D	31.06	4.2094E-05	94.84	54.15	108.0	54.60	UL-RL	7.0113E+04	-10.80	101.2	
1.000	1.000	155.3	0.000	0.000	Ug5_2_8_L_0						
56 D	31.68	4.2834E-05	96.77	55.17	110.0	55.58	UL-RL	7.0113E+04	-11.00	103.2	
1.000	1.000	158.4	0.000	0.000	Ug5_2_8_L_0						
57 D	32.30	4.3617E-05	98.71	56.19	112.0	56.56	UL-RL	7.0113E+04	-11.20	105.3	
1.000	1.000	161.5	0.000	0.000	Ug5_2_8_L_0						
58 D	32.92	4.4439E-05	100.6	57.22	114.0	57.55	UL-RL	7.0113E+04	-11.40	107.4	
1.000	1.000	164.6	0.000	0.000	Ug5_2_8_L_0						
59 D	33.53	4.5294E-05	102.6	58.25	116.0	58.53	UL-RL	7.0113E+04	-11.60	109.4	
1.000	1.000	167.7	0.000	0.000	Ug5_2_8_L_0						
60 D	34.15	4.6177E-05	104.5	59.28	118.0	59.52	UL-RL	7.0113E+04	-11.80	111.5	
1.000	1.000	170.8	0.000	0.000	Ug5_2_8_L_0						
61 D	34.77	4.7078E-05	106.5	60.32	120.0	60.50	UL-RL	7.0113E+04	-12.00	113.5	
1.000	1.000	173.9	0.000	0.000	Ug5_2_8_L_0						
62 D	35.21	4.7988E-05	108.2	60.42	121.8	61.39	UL-RL	5.2723E+04	-12.20	115.6	
1.000	1.000	176.0	0.000	0.000	Ug6_741_743_L_0						
63 D	35.80	4.8895E-05	109.9	61.33	123.6	62.28	UL-RL	5.2723E+04	-12.40	117.7	
1.000	1.000	179.0	0.000	0.000	Ug6_741_743_L_0						
64 D	36.40	4.9789E-05	111.7	62.25	125.4	63.16	UL-RL	5.2723E+04	-12.60	119.7	
1.000	1.000	182.0	0.000	0.000	Ug6_741_743_L_0						
65 D	37.00	5.0664E-05	113.4	63.17	127.2	64.05	UL-RL	5.2723E+04	-12.80	121.8	
1.000	1.000	185.0	0.000	0.000	Ug6_741_743_L_0						
66 D	37.59	5.1513E-05	115.1	64.09	129.0	64.94	UL-RL	5.2723E+04	-13.00	123.9	
1.000	1.000	188.0	0.000	0.000	Ug6_741_743_L_0						
67 D	38.19	5.2334E-05	116.9	65.00	130.8	65.83	UL-RL	5.2723E+04	-13.20	125.9	
1.000	1.000	190.9	0.000	0.000	Ug6_741_743_L_0						
68 D	38.78	5.3122E-05	118.6	65.92	132.6	66.72	UL-RL	5.2723E+04	-13.40	128.0	
1.000	1.000	193.9	0.000	0.000	Ug6_741_743_L_0						

69 D	39.38	5.3879E-05	120.3	66.83	134.4	67.60	UL-RL	5.2723E+04	-13.60	130.1	
1.000	1.000	196.9	0.000	0.000	Ug6_741_743_L_0						
70 D	39.97	5.4604E-05	122.1	67.74	136.2	68.49	UL-RL	5.2723E+04	-13.80	132.1	
1.000	1.000	199.9	0.000	0.000	Ug6_741_743_L_0						
71 D	40.57	5.5299E-05	123.8	68.65	138.0	69.38	UL-RL	5.2723E+04	-14.00	134.2	
1.000	1.000	202.8	0.000	0.000	Ug6_741_743_L_0						
72 D	41.16	5.5967E-05	125.5	69.56	139.8	70.27	UL-RL	5.2723E+04	-14.20	136.3	
1.000	1.000	205.8	0.000	0.000	Ug6_741_743_L_0						
73 D	41.76	5.6609E-05	127.3	70.47	141.6	71.16	UL-RL	5.2723E+04	-14.40	138.3	
1.000	1.000	208.8	0.000	0.000	Ug6_741_743_L_0						
74 D	42.35	5.7230E-05	129.0	71.38	143.4	72.05	UL-RL	5.2723E+04	-14.60	140.4	
1.000	1.000	211.8	0.000	0.000	Ug6_741_743_L_0						
75 D	42.95	5.7833E-05	130.7	72.29	145.2	72.94	UL-RL	5.2723E+04	-14.80	142.5	
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0						
76 D	43.54	5.8422E-05	132.5	73.19	147.0	73.84	UL-RL	5.2723E+04	-15.00	144.5	
1.000	1.000	217.7	0.000	0.000	Ug6_741_743_L_0						
77 D	44.14	5.9000E-05	134.2	74.10	148.8	74.73	UL-RL	5.2723E+04	-15.20	146.6	
1.000	1.000	220.7	0.000	0.000	Ug6_741_743_L_0						
78 D	44.73	5.9571E-05	136.0	75.00	150.6	75.62	UL-RL	5.2723E+04	-15.40	148.6	
1.000	1.000	223.6	0.000	0.000	Ug6_741_743_L_0						
79 D	45.32	6.0137E-05	137.7	75.91	152.4	76.51	UL-RL	5.2723E+04	-15.60	150.7	
1.000	1.000	226.6	0.000	0.000	Ug6_741_743_L_0						
80 D	45.92	6.0701E-05	139.4	76.82	154.2	77.40	UL-RL	5.2723E+04	-15.80	152.8	
1.000	1.000	229.6	0.000	0.000	Ug6_741_743_L_0						
81 D	23.26	6.1265E-05	141.2	77.72	156.0	78.29	UL-RL	5.2723E+04	-16.00	154.8	
1.000	1.000	232.6	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.23893E-11-2.23893E-11 2.25064E-12 1.20439E-12
    2 0.49031    -0.49031    -2.30307E-12 9.80625E-02
    3  1.4730     -1.4730    -9.80625E-02 0.39265
    4  2.9505     -2.9505    -0.39265     0.98276
    5  4.9250     -4.9250    -0.98276      1.9678
    6  7.3971     -7.3971     -1.9678      3.4472
    7  7.4097     -7.4097     -3.4472      4.9291
    8  7.3461     -7.3461     -4.9291      6.3984
    9  7.2219     -7.2219     -6.3984      7.8427
   10  7.0329     -7.0329     -7.8427      9.2493
   11  6.7888     -6.7888     -9.2493      10.607
   12  6.4897     -6.4897     -10.607      11.905
   13  6.1285     -6.1285     -11.905      13.131
   14  5.7102     -5.7102     -13.131      14.273
   15  5.2330     -5.2330     -14.273      15.319
   16  4.6950     -4.6950     -15.319      16.258
   17  4.0892     -4.0892     -16.258      17.076
   18  3.4181     -3.4181     -17.076      17.760
   19  2.6791     -2.6791     -17.760      18.296
   20  1.8657     -1.8657     -18.296      18.669
   21 0.97920    -0.97920     -18.669      18.865
   22 1.68070E-02-1.68070E-02 -18.865      18.868
   23 -1.0276      1.0276     -18.868      18.662
   24 -2.0086      2.0086     -18.662      18.261
   25 -2.8113      2.8113     -18.261      17.698
   26 -3.4527      3.4527     -17.698      17.008
   27 -3.9493      3.9493     -17.008      16.218
   28 -4.3171      4.3171     -16.218      15.355
   29 -4.5712      4.5712     -15.355      14.440
   30 -4.7258      4.7258     -14.440      13.495
   31 -4.7945      4.7945     -13.495      12.536
   32 -4.7899      4.7899     -12.536      11.578
   33 -4.7261      4.7261     -11.578      10.633
   34 -4.5960      4.5960     -10.633      9.7140
   35 -4.4123      4.4123     -9.7140      8.8316
   36 -4.1864      4.1864     -8.8316      7.9943
   37 -3.9289      3.9289     -7.9943      7.2085
   38 -3.6492      3.6492     -7.2085      6.4786
   39 -3.3557      3.3557     -6.4786      5.8075
   40 -3.0545      3.0545     -5.8075      5.1966
   41 -2.7491      2.7491     -5.1966      4.6468
   42 -2.4457      2.4457     -4.6468      4.1576
   43 -2.1499      2.1499     -4.1576      3.7277
   44 -1.8668      1.8668     -3.7277      3.3543
   45 -1.6006      1.6006     -3.3543      3.0342
   46 -1.3556      1.3556     -3.0342      2.7631
   47 -1.1353      1.1353     -2.7631      2.5360
   48-0.94300     0.94300     -2.5360      2.3474
   49-0.78181     0.78181     -2.3474      2.1910
   50-0.65454     0.65454     -2.1910      2.0601
   51-0.56379     0.56379     -2.0601      1.9474
   52-0.51204     0.51204     -1.9474      1.8450
   53-0.50161     0.50161     -1.8450      1.7447
   54-0.53473     0.53473     -1.7447      1.6377
   55-0.61347     0.61347     -1.6377      1.5150
   56-0.73980     0.73980     -1.5150      1.3671
   57-0.91551     0.91551     -1.3671      1.1840
   58 -1.1422      1.1422     -1.1840     0.95551
   59 -1.4214      1.4214    -0.95551     0.67122
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   60 -1.7541      1.7541    -0.67122     0.32040
   61 -2.1412      2.1412    -0.32040    -0.10783
   62 -1.7105      1.7105     0.10783    -0.44993
   63 -1.3178      1.3178     0.44993    -0.71349
   64-0.96296     0.96296     0.71349    -0.90609
   65-0.64535     0.64535     0.90609     -1.0352
   66-0.36440     0.36440      1.0352     -1.1080
   67-0.11940     0.11940      1.1080     -1.1319
   68 9.04039E-02-9.04039E-02  1.1319     -1.1138
   69 0.26579    -0.26579      1.1138     -1.0607
   70 0.40752    -0.40752      1.0607    -0.97918
   71 0.51632    -0.51632     0.97918    -0.87591
   72 0.59286    -0.59286     0.87591    -0.75734
   73 0.63774    -0.63774     0.75734    -0.62979
   74 0.65148    -0.65148     0.62979    -0.49949
   75 0.63452    -0.63452     0.49949    -0.37259
   76 0.58719    -0.58719     0.37259    -0.25515
   77 0.50976    -0.50976     0.25515    -0.15320
   78 0.40241    -0.40241     0.15320    -7.27173E-02
   79 0.26525    -0.26525     7.27173E-02-1.96671E-02
   80 9.83304E-02-9.83304E-02 1.96671E-02-1.32638E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 367.3     REMNOR=0.1304E-21 RATIO =0.5929E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.5929E-01 RATIOR= 0.000
           MAX UN= 5.148     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3441E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 83.97     REMNOR=0.1582E-20 RATIO =0.2835E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.2835E-01 RATIOR= 0.000
           MAX UN= 2.654     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.3455E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 55.84     REMNOR=0.3330E-19 RATIO =0.2312E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.2312E-01 RATIOR= 0.000
           MAX UN= 4.539     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.1222E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM= 1.837     REMNOR=0.9476E-20 RATIO =0.4193E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.4193E-02 RATIOR= 0.000
           MAX UN= 1.168     IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.3879E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1045E+06 RIMNOR=0.1292E+05
           RENORM=0.3424E-17 REMNOR=0.1057E-19 RATIO =0.5725E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 45.21     RMMAX = 18.87
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1045E+06 RDR   =0.1292E+05
           RATIOT=0.5725E-11 RATIOR= 0.000
           MAX UN=0.7462E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.6707E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1251918E-03  -3.3729961E-04
    2   2.0577319E-03  -3.3729961E-04
    3   1.9902724E-03  -3.3729278E-04
    4   1.9228166E-03  -3.3725859E-04
    5   1.8553731E-03  -3.3716276E-04
    6   1.7879588E-03  -3.3695717E-04
    7   1.7206016E-03  -3.3657987E-04
    8   1.6533433E-03  -3.3595499E-04
    9   1.5862421E-03  -3.3499274E-04
   10   1.5193757E-03  -3.3358927E-04
   11   1.4528437E-03  -3.3162680E-04
   12   1.3867710E-03  -3.2897368E-04
   13   1.3213072E-03  -3.2552618E-04
   14   1.2566157E-03  -3.2125056E-04
   15   1.1928599E-03  -3.1618036E-04
   16   1.1301923E-03  -3.1037998E-04
   17   1.0687522E-03  -3.0391091E-04
   18   1.0086682E-03  -2.9683193E-04
   19   9.5005637E-04  -2.8919908E-04
   20   8.9302198E-04  -2.8106579E-04
   21   8.3766029E-04  -2.7248315E-04
   22   7.8405570E-04  -2.6349989E-04
   23   7.3228392E-04  -2.5416277E-04
   24   6.8241119E-04  -2.4451665E-04
   25   6.3449498E-04  -2.3460476E-04
   26   5.8858422E-04  -2.2446886E-04
   27   5.4471988E-04  -2.1414951E-04
   28   5.0293424E-04  -2.0368615E-04
   29   4.6325243E-04  -1.9311764E-04
   30   4.2569165E-04  -1.8248223E-04
   31   3.9026146E-04  -1.7181794E-04
   32   3.5696403E-04  -1.6116278E-04
   33   3.2579337E-04  -1.5055482E-04
   34   2.9673637E-04  -1.4003272E-04
   35   2.6977194E-04  -1.2963578E-04
   36   2.4487104E-04  -1.1940421E-04
   37   2.2199659E-04  -1.0937939E-04
   38   2.0110277E-04  -9.9603957E-05
   39   1.8213542E-04  -9.0122291E-05
   40   1.6503119E-04  -8.0980535E-05
   41   1.4971759E-04  -7.2222966E-05
   42   1.3611398E-04  -6.3885809E-05
   43   1.2413348E-04  -5.5995476E-05
   44   1.1368481E-04  -4.8569843E-05
   45   1.0467390E-04  -4.1619483E-05
   46   9.7005123E-05  -3.5148222E-05
   47   9.0582842E-05  -2.9153546E-05
   48   8.5312486E-05  -2.3627154E-05
   49   8.1101620E-05  -1.8556166E-05
   50   7.7860765E-05  -1.3924225E-05
   51   7.5503939E-05  -9.7123977E-06
   52   7.3949134E-05  -5.9001271E-06
   53   7.3118640E-05  -2.4664968E-06
   54   7.2938789E-05   6.1023970E-07
   55   7.3340308E-05   3.3505644E-06
   56   7.4257882E-05   5.7738970E-06
   57   7.5629910E-05   7.8978762E-06
   58   7.7398101E-05   9.7378829E-06
   59   7.9506979E-05   1.1306623E-05
   60   8.1903310E-05   1.2613764E-05
   61   8.4535466E-05   1.3665630E-05
   62   8.7352725E-05   1.4464940E-05
   63   9.0305904E-05   1.5031179E-05
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64	9.3352109E-05	1.5401102E-05
65	9.6455525E-05	1.5608734E-05
66	9.9586867E-05	1.5685333E-05
67	1.0272282E-04	1.5659369E-05
68	1.0584549E-04	1.5556521E-05
69	1.0894183E-04	1.5399683E-05
70	1.1200310E-04	1.5208978E-05
71	1.1502432E-04	1.5001784E-05
72	1.1800370E-04	1.4792755E-05
73	1.2094210E-04	1.4593849E-05
74	1.2384253E-04	1.4414356E-05
75	1.2670958E-04	1.4260922E-05
76	1.2954890E-04	1.4137571E-05
77	1.3236671E-04	1.4045726E-05
78	1.3516922E-04	1.3984221E-05
79	1.3796217E-04	1.3949319E-05
80	1.4075030E-04	1.3934714E-05
81	1.4353696E-04	1.3931536E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
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New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.1252E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4800     -2.0577E-03   2.141      0.5332       2.141       1.603          ACTIVE   0.000     -0.2000       1.867
1.000       1.000       2.400       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9620     -1.9903E-03   4.323       1.077       4.323       3.119          ACTIVE   0.000     -0.4000       3.733
1.000       1.000       4.810       0.000       0.000     Ug5_2_8_L_0
   4 D   1.447     -1.9228E-03   6.558       1.633       6.558       4.509          ACTIVE   0.000     -0.6000       5.600
1.000       1.000       7.233       0.000       0.000     Ug5_2_8_L_0
   5 D   1.933     -1.8554E-03   8.831       2.199       8.831       5.780          ACTIVE   0.000     -0.8000       7.467
1.000       1.000       9.665       0.000       0.000     Ug5_2_8_L_0
   6 D   2.420     -1.7880E-03   11.12       2.769       11.12       6.958          ACTIVE   0.000      -1.000       9.333
1.000       1.000       12.10       0.000       0.000     Ug5_2_8_L_0
   7 D   2.908     -1.7206E-03   13.41       3.339       13.41       8.073          ACTIVE   0.000      -1.200       11.20
1.000       1.000       14.54       0.000       0.000     Ug5_2_8_L_0
   8 D   3.401     -1.6533E-03   15.81       3.936       15.81       9.145          ACTIVE   0.000      -1.400       13.07
1.000       1.000       17.00       0.000       0.000     Ug5_2_8_L_0
   9 D   3.895     -1.5862E-03   18.24       4.542       18.24       10.19          ACTIVE   0.000      -1.600       14.93
1.000       1.000       19.48       0.000       0.000     Ug5_2_8_L_0
  10 D   4.379     -1.5194E-03   20.46       5.096       20.46       11.22          ACTIVE   0.000      -1.800       16.80
1.000       1.000       21.90       0.000       0.000     Ug5_2_8_L_0
  11 D   4.870     -1.4528E-03   22.82       5.682       22.82       12.23          ACTIVE   0.000      -2.000       18.67
1.000       1.000       24.35       0.000       0.000     Ug5_2_8_L_0
  12 D   5.358     -1.3868E-03   25.14       6.259       25.14       13.24          ACTIVE   0.000      -2.200       20.53
1.000       1.000       26.79       0.000       0.000     Ug5_2_8_L_0
  13 D   5.840     -1.3213E-03   27.31       6.800       27.31       14.24          ACTIVE   0.000      -2.400       22.40
1.000       1.000       29.20       0.000       0.000     Ug5_2_8_L_0
  14 D   6.327     -1.2566E-03   29.59       7.368       29.59       15.24          ACTIVE   0.000      -2.600       24.27
1.000       1.000       31.63       0.000       0.000     Ug5_2_8_L_0
  15 D   6.813     -1.1929E-03   31.85       7.931       31.85       16.23          ACTIVE   0.000      -2.800       26.13
1.000       1.000       34.06       0.000       0.000     Ug5_2_8_L_0
  16 D   7.298     -1.1302E-03   34.10       8.490       34.10       17.23          ACTIVE   0.000      -3.000       28.00
1.000       1.000       36.49       0.000       0.000     Ug5_2_8_L_0
  17 D   7.778     -1.0688E-03   36.24       9.024       36.24       18.22          ACTIVE   0.000      -3.200       29.87
1.000       1.000       38.89       0.000       0.000     Ug5_2_8_L_0
  18 D   8.262     -1.0087E-03   38.47       9.579       38.47       19.21          ACTIVE   0.000      -3.400       31.73
1.000       1.000       41.31       0.000       0.000     Ug5_2_8_L_0
  19 D   8.746     -9.5006E-04   40.69       10.13       40.69       20.21          ACTIVE   0.000      -3.600       33.60
1.000       1.000       43.73       0.000       0.000     Ug5_2_8_L_0
  20 D   9.226     -8.9302E-04   42.82       10.66       42.82       21.20          ACTIVE   0.000      -3.800       35.47
1.000       1.000       46.13       0.000       0.000     Ug5_2_8_L_0
  21 D   9.709     -8.3766E-04   45.03       11.21       45.03       22.19          ACTIVE   0.000      -4.000       37.33
1.000       1.000       48.55       0.000       0.000     Ug5_2_8_L_0
  22 D   10.19     -7.8406E-04   47.23       11.76       47.23       23.18          ACTIVE   0.000      -4.200       39.20
1.000       1.000       50.96       0.000       0.000     Ug5_2_8_L_0
  23 D   10.67     -7.3228E-04   49.36       12.29       49.36       24.18          ACTIVE   0.000      -4.400       41.07
1.000       1.000       53.36       0.000       0.000     Ug5_2_8_L_0
  24 D   11.15     -6.8241E-04   51.55       12.84       51.55       25.17          ACTIVE   0.000      -4.600       42.93
1.000       1.000       55.77       0.000       0.000     Ug5_2_8_L_0
  25 D   11.64     -6.3449E-04   53.74       13.38       53.74       26.17          ACTIVE   0.000      -4.800       44.80
1.000       1.000       58.18       0.000       0.000     Ug5_2_8_L_0
  26 D   12.12     -5.8858E-04   55.92       13.92       55.92       27.16          ACTIVE   0.000      -5.000       46.67
1.000       1.000       60.59       0.000       0.000     Ug5_2_8_L_0
  27 D   12.60     -5.4472E-04   58.05       14.45       58.05       28.16          ACTIVE   0.000      -5.200       48.53
1.000       1.000       62.99       0.000       0.000     Ug5_2_8_L_0
  28 D   13.08     -5.0293E-04   60.23       15.00       60.23       29.16          ACTIVE   0.000      -5.400       50.40
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1.000	1.000	65.40	0.000	0.000	Ug5_2_8_L_0						
29 D	13.56	-4.6325E-04	62.40	15.54	62.40	30.15	ACTIVE	0.000	-5.600	52.27	
1.000	1.000	67.81	0.000	0.000	Ug5_2_8_L_0						
30 D	14.04	-4.2569E-04	64.53	16.07	64.53	31.15	ACTIVE	0.000	-5.800	54.13	
1.000	1.000	70.20	0.000	0.000	Ug5_2_8_L_0						
31 D	14.52	-3.9026E-04	66.70	16.61	66.70	32.15	ACTIVE	0.000	-6.000	56.00	
1.000	1.000	72.61	0.000	0.000	Ug5_2_8_L_0						
32 D	15.00	-3.5696E-04	68.87	17.15	68.87	33.15	ACTIVE	0.000	-6.200	57.87	
1.000	1.000	75.02	0.000	0.000	Ug5_2_8_L_0						
33 D	15.48	-3.2579E-04	70.99	17.68	70.99	34.15	ACTIVE	0.000	-6.400	59.73	
1.000	1.000	77.41	0.000	0.000	Ug5_2_8_L_0						
34 D	15.96	-2.9674E-04	73.16	18.22	73.16	35.15	ACTIVE	0.000	-6.600	61.60	
1.000	1.000	79.82	0.000	0.000	Ug5_2_8_L_0						
35 D	16.44	-2.6977E-04	75.32	18.76	75.32	36.15	ACTIVE	0.000	-6.800	63.47	
1.000	1.000	82.22	0.000	0.000	Ug5_2_8_L_0						
36 D	16.93	-2.4487E-04	77.49	19.29	77.49	37.16	ACTIVE	0.000	-7.000	65.33	
1.000	1.000	84.63	0.000	0.000	Ug5_2_8_L_0						
37 D	17.40	-2.2200E-04	79.61	19.82	79.61	38.16	ACTIVE	0.000	-7.200	67.20	
1.000	1.000	87.02	0.000	0.000	Ug5_2_8_L_0						
38 D	17.89	-2.0110E-04	81.77	20.36	81.77	39.16	ACTIVE	0.000	-7.400	69.07	
1.000	1.000	89.43	0.000	0.000	Ug5_2_8_L_0						
39 D	18.37	-1.8214E-04	83.93	20.90	83.93	40.17	ACTIVE	0.000	-7.600	70.93	
1.000	1.000	91.83	0.000	0.000	Ug5_2_8_L_0						
40 D	19.12	-1.6503E-04	86.05	22.80	86.05	41.17	UL-RL	1.1282E+05	-7.800	72.80	
1.000	1.000	95.60	0.000	0.000	Ug5_2_8_L_0						
41 D	20.05	-1.4972E-04	88.21	25.58	88.21	42.18	UL-RL	1.1282E+05	-8.000	74.67	
1.000	1.000	100.2	0.000	0.000	Ug5_2_8_L_0						
42 D	20.94	-1.3611E-04	90.37	28.17	90.37	43.19	UL-RL	1.1282E+05	-8.200	76.53	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
43 D	21.79	-1.2413E-04	92.49	30.57	92.49	44.19	UL-RL	1.1282E+05	-8.400	78.40	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
44 D	22.61	-1.1368E-04	94.65	32.79	94.65	45.20	UL-RL	1.1282E+05	-8.600	80.27	
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
45 D	23.40	-1.0467E-04	96.80	34.85	96.80	46.21	UL-RL	1.1282E+05	-8.800	82.13	
1.000	1.000	117.0	0.000	0.000	Ug5_2_8_L_0						
46 D	24.15	-9.7005E-05	98.96	36.76	98.96	47.22	UL-RL	1.1282E+05	-9.000	84.00	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.88	-9.0583E-05	101.1	38.52	101.1	48.23	UL-RL	1.1282E+05	-9.200	85.87	
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0						
48 D	25.58	-8.5312E-05	103.2	40.15	103.2	49.24	UL-RL	1.1282E+05	-9.400	87.73	
1.000	1.000	127.9	0.000	0.000	Ug5_2_8_L_0						
49 D	26.25	-8.1102E-05	105.4	41.66	105.4	50.26	UL-RL	1.1282E+05	-9.600	89.60	
1.000	1.000	131.3	0.000	0.000	Ug5_2_8_L_0						
50 D	26.91	-7.7861E-05	107.5	43.07	107.5	51.27	UL-RL	1.1282E+05	-9.800	91.47	
1.000	1.000	134.5	0.000	0.000	Ug5_2_8_L_0						
51 D	27.54	-7.5504E-05	109.7	44.36	109.7	52.28	UL-RL	1.1282E+05	-10.00	93.33	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
52 D	28.15	-7.3949E-05	111.8	45.57	111.8	53.29	UL-RL	1.1282E+05	-10.20	95.20	
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0						
53 D	28.75	-7.3119E-05	113.9	46.70	113.9	54.31	UL-RL	1.1282E+05	-10.40	97.07	
1.000	1.000	143.8	0.000	0.000	Ug5_2_8_L_0						
54 D	29.34	-7.2939E-05	116.1	47.75	116.1	55.32	UL-RL	1.1282E+05	-10.60	98.93	
1.000	1.000	146.7	0.000	0.000	Ug5_2_8_L_0						
55 D	29.91	-7.3340E-05	118.2	48.73	118.2	56.34	UL-RL	1.1282E+05	-10.80	100.8	
1.000	1.000	149.5	0.000	0.000	Ug5_2_8_L_0						
56 D	30.47	-7.4258E-05	120.4	49.66	120.4	57.35	UL-RL	1.1282E+05	-11.00	102.7	
1.000	1.000	152.3	0.000	0.000	Ug5_2_8_L_0						
57 D	31.01	-7.5630E-05	122.5	50.53	122.5	58.37	UL-RL	1.1282E+05	-11.20	104.5	
1.000	1.000	155.1	0.000	0.000	Ug5_2_8_L_0						
58 D	31.55	-7.7398E-05	124.6	51.36	124.6	59.39	UL-RL	1.1282E+05	-11.40	106.4	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
59 D	32.08	-7.9507E-05	126.8	52.15	126.8	60.40	UL-RL	1.1282E+05	-11.60	108.3	
1.000	1.000	160.4	0.000	0.000	Ug5_2_8_L_0						
60 D	32.61	-8.1903E-05	128.9	52.91	128.9	61.42	UL-RL	1.1282E+05	-11.80	110.1	
1.000	1.000	163.0	0.000	0.000	Ug5_2_8_L_0						
61 D	33.13	-8.4535E-05	131.1	53.64	131.1	62.44	UL-RL	1.1282E+05	-12.00	112.0	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
62 D	34.79	-8.7353E-05	133.0	60.09	133.0	63.36	UL-RL	5.4011E+04	-12.20	113.9	
1.000	1.000	174.0	0.000	0.000	Ug6_741_743_L_0						
63 D	35.32	-9.0306E-05	135.0	60.87	135.0	64.28	UL-RL	5.4011E+04	-12.40	115.7	
1.000	1.000	176.6	0.000	0.000	Ug6_741_743_L_0						
64 D	35.85	-9.3352E-05	136.9	61.65	136.9	65.20	UL-RL	5.4011E+04	-12.60	117.6	
1.000	1.000	179.2	0.000	0.000	Ug6_741_743_L_0						
65 D	36.38	-9.6456E-05	138.8	62.42	138.8	66.12	UL-RL	5.4011E+04	-12.80	119.5	
1.000	1.000	181.9	0.000	0.000	Ug6_741_743_L_0						
66 D	36.91	-9.9587E-05	140.7	63.20	140.7	67.04	UL-RL	5.4011E+04	-13.00	121.3	
1.000	1.000	184.5	0.000	0.000	Ug6_741_743_L_0						
67 D	37.43	-1.0272E-04	142.6	63.97	142.6	67.96	UL-RL	5.4011E+04	-13.20	123.2	
1.000	1.000	187.2	0.000	0.000	Ug6_741_743_L_0						
68 D	37.96	-1.0585E-04	144.5	64.75	144.5	68.88	UL-RL	5.4011E+04	-13.40	125.1	
1.000	1.000	189.8	0.000	0.000	Ug6_741_743_L_0						

69 D	38.49	-1.0894E-04	146.4	65.53	146.4	69.80	UL-RL	5.4011E+04	-13.60	126.9
1.000	1.000	192.5	0.000	0.000	Ug6_741_743_L_0					
70 D	39.02	-1.1200E-04	148.3	66.31	148.3	70.72	UL-RL	5.4011E+04	-13.80	128.8
1.000	1.000	195.1	0.000	0.000	Ug6_741_743_L_0					
71 D	39.55	-1.1502E-04	150.2	67.09	150.2	71.64	UL-RL	5.4011E+04	-14.00	130.7
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0					
72 D	40.08	-1.1800E-04	152.1	67.88	152.1	72.56	UL-RL	5.4011E+04	-14.20	132.5
1.000	1.000	200.4	0.000	0.000	Ug6_741_743_L_0					
73 D	40.61	-1.2094E-04	154.0	68.67	154.0	73.49	UL-RL	5.4011E+04	-14.40	134.4
1.000	1.000	203.1	0.000	0.000	Ug6_741_743_L_0					
74 D	41.15	-1.2384E-04	155.9	69.46	155.9	74.41	UL-RL	5.4011E+04	-14.60	136.3
1.000	1.000	205.7	0.000	0.000	Ug6_741_743_L_0					
75 D	41.68	-1.2671E-04	157.8	70.25	157.8	75.33	UL-RL	5.4011E+04	-14.80	138.1
1.000	1.000	208.4	0.000	0.000	Ug6_741_743_L_0					
76 D	42.21	-1.2955E-04	159.7	71.05	159.7	76.25	UL-RL	5.4011E+04	-15.00	140.0
1.000	1.000	211.0	0.000	0.000	Ug6_741_743_L_0					
77 D	42.74	-1.3237E-04	161.7	71.85	161.7	77.18	UL-RL	5.4011E+04	-15.20	141.9
1.000	1.000	213.7	0.000	0.000	Ug6_741_743_L_0					
78 D	43.28	-1.3517E-04	163.6	72.65	163.6	78.10	UL-RL	5.4011E+04	-15.40	143.7
1.000	1.000	216.4	0.000	0.000	Ug6_741_743_L_0					
79 D	43.81	-1.3796E-04	165.5	73.45	165.5	79.03	UL-RL	5.4011E+04	-15.60	145.6
1.000	1.000	219.0	0.000	0.000	Ug6_741_743_L_0					
80 D	44.34	-1.4075E-04	167.4	74.25	167.4	79.95	UL-RL	5.4011E+04	-15.80	147.5
1.000	1.000	221.7	0.000	0.000	Ug6_741_743_L_0					
81 D	22.44	-1.4354E-04	169.3	75.05	169.3	80.88	UL-RL	5.4011E+04	-16.00	149.3
1.000	1.000	224.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

0_R                              :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.4528E-03   0.000       0.000       20.00       15.76       PASSIVE   0.000      -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.942      1.3868E-03   1.867       12.58       22.00       16.47       PASSIVE   0.000      -2.200       2.133
1.000       1.000       14.71       0.000       0.000     Ug5_2_8_L_0
  13 D   5.884      1.3213E-03   3.733       25.16       24.00       25.16       PASSIVE   0.000      -2.400       4.267
1.000       1.000       29.42       0.000       0.000     Ug5_2_8_L_0
  14 D   8.640      1.2566E-03   5.600       36.80       26.00       36.80           V-C   1.8697E+04  -2.600       6.400
1.000       1.000       43.20       0.000       0.000     Ug5_2_8_L_0
  15 D   9.024      1.1929E-03   7.467       36.59       28.00       36.59           V-C   1.8697E+04  -2.800       8.533
1.000       1.000       45.12       0.000       0.000     Ug5_2_8_L_0
  16 D   9.408      1.1302E-03   9.333       36.37       30.00       36.37           V-C   1.8697E+04  -3.000       10.67
1.000       1.000       47.04       0.000       0.000     Ug5_2_8_L_0
  17 D   9.794      1.0688E-03   11.20       36.17       32.00       36.17           V-C   1.8697E+04  -3.200       12.80
1.000       1.000       48.97       0.000       0.000     Ug5_2_8_L_0
  18 D   10.18      1.0087E-03   13.07       35.99       34.00       35.99           V-C   1.8697E+04  -3.400       14.93
1.000       1.000       50.92       0.000       0.000     Ug5_2_8_L_0
  19 D   10.58      9.5006E-04   14.93       35.83       36.00       35.83           V-C   1.8697E+04  -3.600       17.07
1.000       1.000       52.89       0.000       0.000     Ug5_2_8_L_0
  20 D   10.98      8.9302E-04   16.80       35.69       38.00       35.69           V-C   1.8697E+04  -3.800       19.20
1.000       1.000       54.89       0.000       0.000     Ug5_2_8_L_0
  21 D   11.39      8.3766E-04   18.67       35.59       40.00       35.59           V-C   1.8697E+04  -4.000       21.33
1.000       1.000       56.93       0.000       0.000     Ug5_2_8_L_0
  22 D   11.80      7.8406E-04   20.53       35.52       42.00       35.52           V-C   1.8697E+04  -4.200       23.47
1.000       1.000       58.99       0.000       0.000     Ug5_2_8_L_0
  23 D   12.22      7.3228E-04   22.40       35.49       44.00       35.49           V-C   1.8697E+04  -4.400       25.60
1.000       1.000       61.09       0.000       0.000     Ug5_2_8_L_0
  24 D   12.64      6.8241E-04   24.27       35.49       46.00       35.49           V-C   1.8697E+04  -4.600       27.73
1.000       1.000       63.22       0.000       0.000     Ug5_2_8_L_0
  25 D   13.08      6.3449E-04   26.13       35.53       48.00       35.53           V-C   1.8697E+04  -4.800       29.87
1.000       1.000       65.40       0.000       0.000     Ug5_2_8_L_0
  26 D   13.52      5.8858E-04   28.00       35.61       50.00       35.61           V-C   1.8697E+04  -5.000       32.00
1.000       1.000       67.61       0.000       0.000     Ug5_2_8_L_0
  27 D   13.97      5.4472E-04   29.87       35.73       52.00       35.73           V-C   1.8697E+04  -5.200       34.13
1.000       1.000       69.86       0.000       0.000     Ug5_2_8_L_0
  28 D   14.43      5.0293E-04   31.73       35.89       54.00       35.89           V-C   1.8697E+04  -5.400       36.27
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1.000	1.000	72.15	0.000	0.000	Ug5_2_8_L_0						
29 D	14.90	4.6325E-04	33.60	36.09	56.00	36.09	V-C	1.8697E+04	-5.600	38.40	
1.000	1.000	74.49	0.000	0.000	Ug5_2_8_L_0						
30 D	15.37	4.2569E-04	35.47	36.33	58.00	36.33	V-C	1.8697E+04	-5.800	40.53	
1.000	1.000	76.86	0.000	0.000	Ug5_2_8_L_0						
31 D	15.86	3.9026E-04	37.33	36.62	60.00	36.62	V-C	1.8697E+04	-6.000	42.67	
1.000	1.000	79.28	0.000	0.000	Ug5_2_8_L_0						
32 D	16.35	3.5696E-04	39.20	36.94	62.00	36.94	V-C	1.8697E+04	-6.200	44.80	
1.000	1.000	81.74	0.000	0.000	Ug5_2_8_L_0						
33 D	16.85	3.2579E-04	41.07	37.31	64.00	37.31	V-C	1.8697E+04	-6.400	46.93	
1.000	1.000	84.25	0.000	0.000	Ug5_2_8_L_0						
34 D	17.36	2.9674E-04	42.93	37.72	66.00	37.72	V-C	1.8697E+04	-6.600	49.07	
1.000	1.000	86.79	0.000	0.000	Ug5_2_8_L_0						
35 D	17.87	2.6977E-04	44.80	38.17	68.00	38.17	V-C	1.8697E+04	-6.800	51.20	
1.000	1.000	89.37	0.000	0.000	Ug5_2_8_L_0						
36 D	18.40	2.4487E-04	46.67	38.66	70.00	38.66	V-C	1.8697E+04	-7.000	53.33	
1.000	1.000	92.00	0.000	0.000	Ug5_2_8_L_0						
37 D	18.93	2.2200E-04	48.53	39.19	72.00	39.19	V-C	1.8697E+04	-7.200	55.47	
1.000	1.000	94.66	0.000	0.000	Ug5_2_8_L_0						
38 D	19.47	2.0110E-04	50.40	39.76	74.00	39.76	V-C	1.8697E+04	-7.400	57.60	
1.000	1.000	97.36	0.000	0.000	Ug5_2_8_L_0						
39 D	20.02	1.8214E-04	52.27	40.37	76.00	40.37	V-C	1.8697E+04	-7.600	59.73	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
40 D	20.58	1.6503E-04	54.13	41.01	78.00	41.01	V-C	1.8697E+04	-7.800	61.87	
1.000	1.000	102.9	0.000	0.000	Ug5_2_8_L_0						
41 D	21.14	1.4972E-04	56.00	41.69	80.00	41.69	V-C	1.8697E+04	-8.000	64.00	
1.000	1.000	105.7	0.000	0.000	Ug5_2_8_L_0						
42 D	21.71	1.3611E-04	57.87	42.40	82.00	42.40	V-C	1.8697E+04	-8.200	66.13	
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0						
43 D	22.28	1.2413E-04	59.73	43.14	84.00	43.14	V-C	1.8697E+04	-8.400	68.27	
1.000	1.000	111.4	0.000	0.000	Ug5_2_8_L_0						
44 D	22.86	1.1368E-04	61.60	43.92	86.00	43.92	V-C	1.8697E+04	-8.600	70.40	
1.000	1.000	114.3	0.000	0.000	Ug5_2_8_L_0						
45 D	23.42	1.0467E-04	63.47	44.56	88.00	44.79	UL-RL	5.6090E+04	-8.800	72.53	
1.000	1.000	117.1	0.000	0.000	Ug5_2_8_L_0						
46 D	23.95	9.7005E-05	65.33	45.08	90.00	45.77	UL-RL	5.6090E+04	-9.000	74.67	
1.000	1.000	119.8	0.000	0.000	Ug5_2_8_L_0						
47 D	24.50	9.0583E-05	67.20	45.68	92.00	46.75	UL-RL	5.6090E+04	-9.200	76.80	
1.000	1.000	122.5	0.000	0.000	Ug5_2_8_L_0						
48 D	25.05	8.5312E-05	69.07	46.34	94.00	47.73	UL-RL	5.6090E+04	-9.400	78.93	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
49 D	25.63	8.1102E-05	70.93	47.06	96.00	48.71	UL-RL	5.6090E+04	-9.600	81.07	
1.000	1.000	128.1	0.000	0.000	Ug5_2_8_L_0						
50 D	26.21	7.7861E-05	72.80	47.84	98.00	49.69	UL-RL	5.6090E+04	-9.800	83.20	
1.000	1.000	131.0	0.000	0.000	Ug5_2_8_L_0						
51 D	26.80	7.5504E-05	74.67	48.66	100.00	50.67	UL-RL	5.6090E+04	-10.00	85.33	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
52 D	27.40	7.3949E-05	76.53	49.54	102.0	51.65	UL-RL	5.6090E+04	-10.20	87.47	
1.000	1.000	137.0	0.000	0.000	Ug5_2_8_L_0						
53 D	28.01	7.3119E-05	78.40	50.45	104.0	52.63	UL-RL	5.6090E+04	-10.40	89.60	
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.63	7.2939E-05	80.27	51.40	106.0	53.61	UL-RL	5.6090E+04	-10.60	91.73	
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0						
55 D	29.25	7.3340E-05	82.13	52.39	108.0	54.60	UL-RL	5.6090E+04	-10.80	93.87	
1.000	1.000	146.3	0.000	0.000	Ug5_2_8_L_0						
56 D	29.88	7.4258E-05	84.00	53.41	110.0	55.58	UL-RL	5.6090E+04	-11.00	96.00	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
57 D	30.52	7.5630E-05	85.87	54.45	112.0	56.56	UL-RL	5.6090E+04	-11.20	98.13	
1.000	1.000	152.6	0.000	0.000	Ug5_2_8_L_0						
58 D	31.16	7.7398E-05	87.73	55.52	114.0	57.55	UL-RL	5.6090E+04	-11.40	100.3	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
59 D	31.80	7.9507E-05	89.60	56.60	116.0	58.53	UL-RL	5.6090E+04	-11.60	102.4	
1.000	1.000	159.0	0.000	0.000	Ug5_2_8_L_0						
60 D	32.45	8.1903E-05	91.47	57.70	118.0	59.52	UL-RL	5.6090E+04	-11.80	104.5	
1.000	1.000	162.2	0.000	0.000	Ug5_2_8_L_0						
61 D	33.10	8.4535E-05	93.33	58.82	120.0	60.50	UL-RL	5.6090E+04	-12.00	106.7	
1.000	1.000	165.5	0.000	0.000	Ug5_2_8_L_0						
62 D	33.45	8.7353E-05	95.00	58.46	121.8	61.39	UL-RL	4.2179E+04	-12.20	108.8	
1.000	1.000	167.3	0.000	0.000	Ug6_741_743_L_0						
63 D	34.08	9.0306E-05	96.67	59.45	123.6	62.28	UL-RL	4.2179E+04	-12.40	110.9	
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0						
64 D	34.70	9.3352E-05	98.33	60.45	125.4	63.16	UL-RL	4.2179E+04	-12.60	113.1	
1.000	1.000	173.5	0.000	0.000	Ug6_741_743_L_0						
65 D	35.33	9.6456E-05	100.00	61.44	127.2	64.05	UL-RL	4.2179E+04	-12.80	115.2	
1.000	1.000	176.6	0.000	0.000	Ug6_741_743_L_0						
66 D	35.96	9.9587E-05	101.7	62.44	129.0	64.94	UL-RL	4.2179E+04	-13.00	117.3	
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0						
67 D	36.58	1.0272E-04	103.3	63.44	130.8	65.83	UL-RL	4.2179E+04	-13.20	119.5	
1.000	1.000	182.9	0.000	0.000	Ug6_741_743_L_0						
68 D	37.21	1.0585E-04	105.0	64.44	132.6	66.72	UL-RL	4.2179E+04	-13.40	121.6	
1.000	1.000	186.0	0.000	0.000	Ug6_741_743_L_0						

69 D	37.83	1.0894E-04	106.7	65.43	134.4	67.60	UL-RL	4.2179E+04	-13.60	123.7	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
70 D	38.46	1.1200E-04	108.3	66.43	136.2	68.49	UL-RL	4.2179E+04	-13.80	125.9	
1.000	1.000	192.3	0.000	0.000	Ug6_741_743_L_0						
71 D	39.08	1.1502E-04	110.0	67.42	138.0	69.38	UL-RL	4.2179E+04	-14.00	128.0	
1.000	1.000	195.4	0.000	0.000	Ug6_741_743_L_0						
72 D	39.71	1.1800E-04	111.7	68.41	139.8	70.27	UL-RL	4.2179E+04	-14.20	130.1	
1.000	1.000	198.5	0.000	0.000	Ug6_741_743_L_0						
73 D	40.33	1.2094E-04	113.3	69.40	141.6	71.16	UL-RL	4.2179E+04	-14.40	132.3	
1.000	1.000	201.7	0.000	0.000	Ug6_741_743_L_0						
74 D	40.96	1.2384E-04	115.0	70.39	143.4	72.05	UL-RL	4.2179E+04	-14.60	134.4	
1.000	1.000	204.8	0.000	0.000	Ug6_741_743_L_0						
75 D	41.58	1.2671E-04	116.7	71.38	145.2	72.94	UL-RL	4.2179E+04	-14.80	136.5	
1.000	1.000	207.9	0.000	0.000	Ug6_741_743_L_0						
76 D	42.21	1.2955E-04	118.3	72.36	147.0	73.84	UL-RL	4.2179E+04	-15.00	138.7	
1.000	1.000	211.0	0.000	0.000	Ug6_741_743_L_0						
77 D	42.83	1.3237E-04	120.0	73.35	148.8	74.73	UL-RL	4.2179E+04	-15.20	140.8	
1.000	1.000	214.1	0.000	0.000	Ug6_741_743_L_0						
78 D	43.45	1.3517E-04	121.7	74.33	150.6	75.62	UL-RL	4.2179E+04	-15.40	142.9	
1.000	1.000	217.3	0.000	0.000	Ug6_741_743_L_0						
79 D	44.08	1.3796E-04	123.3	75.31	152.4	76.51	UL-RL	4.2179E+04	-15.60	145.1	
1.000	1.000	220.4	0.000	0.000	Ug6_741_743_L_0						
80 D	44.70	1.4075E-04	125.0	76.30	154.2	77.40	UL-RL	4.2179E+04	-15.80	147.2	
1.000	1.000	223.5	0.000	0.000	Ug6_741_743_L_0						
81 D	22.66	1.4354E-04	126.7	77.28	156.0	78.29	UL-RL	4.2179E+04	-16.00	149.3	
1.000	1.000	226.6	0.000	0.000	Ug6_741_743_L_0						

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-4.29914E-10 4.29914E-10-4.31832E-11-1.89935E-10
    2 0.47998    -0.47998     1.61177E-10 9.59953E-02
    3  1.4419     -1.4419    -9.59953E-02 0.38439
    4  2.8885     -2.8885    -0.38439     0.96209
    5  4.8216     -4.8216    -0.96209      1.9264
    6  7.2421     -7.2421     -1.9264      3.3748
    7  10.150     -10.150     -3.3748      5.4048
    8  13.551     -13.551     -5.4048      8.1149
    9  17.446     -17.446     -8.1149      11.604
   10  21.825     -21.825     -11.604      15.969
   11  26.694     -26.694     -15.969      21.308
   12  29.111     -29.111     -21.308      27.130
   13  29.066     -29.066     -27.130      32.943
   14  26.753     -26.753     -32.943      38.294
   15  24.542     -24.542     -38.294      43.202
   16  22.432     -22.432     -43.202      47.689
   17  20.416     -20.416     -47.689      51.772
   18  18.494     -18.494     -51.772      55.471
   19  16.662     -16.662     -55.471      58.803
   20  14.909     -14.909     -58.803      61.785
   21  13.233     -13.233     -61.785      64.431
   22  11.627     -11.627     -64.431      66.757
   23  10.081     -10.081     -66.757      68.773
   24  8.5900     -8.5900     -68.773      70.491
   25  7.1471     -7.1471     -70.491      71.920
   26  5.7439     -5.7439     -71.920      73.069
   27  4.3693     -4.3693     -73.069      73.943
   28  3.0179     -3.0179     -73.943      74.547
   29  1.6812     -1.6812     -74.547      74.883
   30 0.34834    -0.34834     -74.883      74.952
   31-0.98667     0.98667     -74.952      74.755
   32 -2.3323      2.3323     -74.755      74.289
   33 -3.6993      3.6993     -74.289      73.549
   34 -5.0937      5.0937     -73.549      72.530
   35 -6.5237      6.5237     -72.530      71.225
   36 -7.9975      7.9975     -71.225      69.626
   37 -9.5252      9.5252     -69.626      67.721
   38 -11.112      11.112     -67.721      65.498
   39 -12.767      12.767     -65.498      62.945
   40 -14.223      14.223     -62.945      60.100
   41 -15.311      15.311     -60.100      57.038
   42 -16.078      16.078     -57.038      53.822
   43 -16.567      16.567     -53.822      50.509
   44 -16.819      16.819     -50.509      47.145
   45 -16.841      16.841     -47.145      43.777
   46 -16.640      16.640     -43.777      40.449
   47 -16.258      16.258     -40.449      37.198
   48 -15.735      15.735     -37.198      34.051
   49 -15.107      15.107     -34.051      31.029
   50 -14.408      14.408     -31.029      28.148
   51 -13.668      13.668     -28.148      25.414
   52 -12.914      12.914     -25.414      22.831
   53 -12.171      12.171     -22.831      20.397
   54 -11.462      11.462     -20.397      18.105
   55 -10.807      10.807     -18.105      15.943
   56 -10.223      10.223     -15.943      13.899
   57 -9.7263      9.7263     -13.899      11.954
   58 -9.3304      9.3304     -11.954      10.087
   59 -9.0471      9.0471     -10.087      8.2781
```

```
   60 -8.8863      8.8863     -8.2781      6.5008
   61 -8.8560      8.8560     -6.5008      4.7296
   62 -7.5175      7.5175     -4.7296      3.2261
   63 -6.2739      6.2739     -3.2261      1.9713
   64 -5.1271      5.1271     -1.9713     0.94592
   65 -4.0781      4.0781    -0.94592     0.13031
   66 -3.1271      3.1271    -0.13031    -0.49511
   67 -2.2741      2.2741     0.49511    -0.94993
   68 -1.5188      1.5188     0.94993     -1.2537
   69-0.86036     0.86036      1.2537     -1.4258
   70-0.29804     0.29804      1.4258     -1.4854
   71 0.16912    -0.16912      1.4854     -1.4515
   72 0.54206    -0.54206      1.4515     -1.3431
   73 0.82172    -0.82172      1.3431     -1.1788
   74  1.0089     -1.0089      1.1788    -0.97700
   75  1.1044     -1.1044     0.97700    -0.75611
   76  1.1089     -1.1089     0.75611    -0.53434
   77  1.0227     -1.0227     0.53434    -0.32981
   78 0.84619    -0.84619     0.32981    -0.16057
   79 0.57966    -0.57966     0.16057    -4.46398E-02
   80 0.22319    -0.22319     4.46398E-02 2.75346E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 612.1     REMNOR=0.1057E-19 RATIO =0.7230E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.7230E-01 RATIOR= 0.000
           MAX UN= 9.298     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7356E-01 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 165.6     REMNOR=0.1129E-19 RATIO =0.3761E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.3761E-01 RATIOR= 0.000
           MAX UN= 2.504     IEQ=    39 NODE     20 DOF   1  Y-DISPL.F
           MIN UN=-.3693E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 91.11     REMNOR=0.9564E-18 RATIO =0.2789E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.2789E-01 RATIOR= 0.000
           MAX UN= 5.206     IEQ=    85 NODE     43 DOF   1  Y-DISPL.F
           MIN UN=-.4107E-08 IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM= 1.926     REMNOR=0.1805E-18 RATIO =0.4056E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.4056E-02 RATIOR= 0.000
           MAX UN= 1.259     IEQ=    97 NODE     49 DOF   1  Y-DISPL.F
           MIN UN=-.2725E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1171E+06 RIMNOR=0.2843E+06
           RENORM=0.4394E-16 REMNOR=0.1376E-18 RATIO =0.1937E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.76     RMMAX = 74.95
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1171E+06 RDR   =0.2843E+06
           RATIOT=0.1937E-10 RATIOR= 0.000
           MAX UN=0.2200E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.2567E-08 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.3475448E-03  -9.7666762E-04
    2   7.1522113E-03  -9.7666762E-04
    3   6.9568782E-03  -9.7666094E-04
    4   6.7615487E-03  -9.7662754E-04
    5   6.5662312E-03  -9.7653391E-04
    6   6.3709423E-03  -9.7633304E-04
    7   6.1757092E-03  -9.7596438E-04
    8   5.9805727E-03  -9.7535382E-04
    9   5.7855896E-03  -9.7441359E-04
   10   5.5908360E-03  -9.7304221E-04
   11   5.3964092E-03  -9.7112456E-04
   12   5.2024311E-03  -9.6853199E-04
   13   5.0090508E-03  -9.6512220E-04
   14   4.8164471E-03  -9.6073940E-04
   15   4.6248312E-03  -9.5521433E-04
   16   4.4344497E-03  -9.4836420E-04
   17   4.2455860E-03  -9.3999266E-04
   18   4.0585644E-03  -9.2993074E-04
   19   3.8737332E-03  -9.1807731E-04
   20   3.6914551E-03  -9.0439915E-04
   21   3.5120937E-03  -8.8893109E-04
   22   3.3359961E-03  -8.7177569E-04
   23   3.1634858E-03  -8.5308512E-04
   24   2.9948535E-03  -8.3302225E-04
   25   2.8303582E-03  -8.1174069E-04
   26   2.6702288E-03  -7.8938515E-04
   27   2.5146674E-03  -7.6609184E-04
   28   2.3638469E-03  -7.4198850E-04
   29   2.2179180E-03  -7.1719542E-04
   30   2.0770072E-03  -6.9182542E-04
   31   1.9412192E-03  -6.6598438E-04
   32   1.8106388E-03  -6.3977187E-04
   33   1.6853297E-03  -6.1328098E-04
   34   1.5653392E-03  -5.8659961E-04
   35   1.4506970E-03  -5.5981043E-04
   36   1.3414170E-03  -5.3299141E-04
   37   1.2374980E-03  -5.0621642E-04
   38   1.1389233E-03  -4.7955520E-04
   39   1.0456639E-03  -4.5307461E-04
   40   9.5767720E-04  -4.2683851E-04
   41   8.7490811E-04  -4.0090839E-04
   42   7.9728947E-04  -3.7534381E-04
   43   7.2474235E-04  -3.5020279E-04
   44   6.5717632E-04  -3.2554228E-04
   45   5.9448995E-04  -3.0141871E-04
   46   5.3656964E-04  -2.7788786E-04
   47   4.8329154E-04  -2.5500600E-04
   48   4.3452019E-04  -2.3282981E-04
   49   3.9010873E-04  -2.1141690E-04
   50   3.4989882E-04  -1.9082618E-04
   51   3.1371963E-04  -1.7111789E-04
   52   2.8138792E-04  -1.5235387E-04
   53   2.5271188E-04  -1.3459157E-04
   54   2.2748333E-04  -1.1787067E-04
   55   2.0549212E-04  -1.0222214E-04
   56   1.8652175E-04  -8.7664381E-05
   57   1.7035317E-04  -7.4204588E-05
   58   1.5676685E-04  -6.1840764E-05
   59   1.4554442E-04  -5.0563605E-05
   60   1.3646996E-04  -4.0358204E-05
   61   1.2933096E-04  -3.1205602E-05
   62   1.2391898E-04  -2.3084186E-05
   63   1.2003178E-04  -1.5945310E-05
```

64	1.1748030E-04	-9.7146687E-06
65	1.1609025E-04	-4.3189574E-06
66	1.1570185E-04	3.1365992E-07
67	1.1616951E-04	4.2531537E-06
68	1.1736142E-04	7.5672914E-06
69	1.1915908E-04	1.0321355E-05
70	1.2145679E-04	1.2577907E-05
71	1.2416106E-04	1.4396601E-05
72	1.2719001E-04	1.5834026E-05
73	1.3047281E-04	1.6943588E-05
74	1.3394893E-04	1.7775413E-05
75	1.3756758E-04	1.8376280E-05
76	1.4128694E-04	1.8789570E-05
77	1.4507356E-04	1.9055226E-05
78	1.4890162E-04	1.9209734E-05
79	1.5275225E-04	1.9286105E-05
80	1.5661282E-04	1.9313870E-05
81	1.6047648E-04	1.9319074E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                              |
 |                                 Exe Time :24 May 2018       18:25:49                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -7.3475E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4689     -7.1522E-03   2.215      0.5515       2.215       1.603          ACTIVE   0.000     -0.2000       1.793
1.000       1.000       2.345       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9399     -6.9569E-03   4.471       1.113       4.471       3.119          ACTIVE   0.000     -0.4000       3.586
1.000       1.000       4.699       0.000       0.000     Ug5_2_8_L_0
   4 D   1.413     -6.7615E-03   6.779       1.688       6.779       4.509          ACTIVE   0.000     -0.6000       5.379
1.000       1.000       7.067       0.000       0.000     Ug5_2_8_L_0
   5 D   1.889     -6.5662E-03   9.125       2.272       9.125       5.780          ACTIVE   0.000     -0.8000       7.172
1.000       1.000       9.444       0.000       0.000     Ug5_2_8_L_0
   6 D   2.365     -6.3709E-03   11.49       2.861       11.49       6.958          ACTIVE   0.000      -1.000       8.966
1.000       1.000       11.83       0.000       0.000     Ug5_2_8_L_0
   7 D   2.842     -6.1757E-03   13.85       3.449       13.85       8.073          ACTIVE   0.000      -1.200       10.76
1.000       1.000       14.21       0.000       0.000     Ug5_2_8_L_0
   8 D   3.323     -5.9806E-03   16.32       4.064       16.32       9.145          ACTIVE   0.000      -1.400       12.55
1.000       1.000       16.62       0.000       0.000     Ug5_2_8_L_0
   9 D   3.807     -5.7856E-03   18.83       4.689       18.83       10.19          ACTIVE   0.000      -1.600       14.34
1.000       1.000       19.03       0.000       0.000     Ug5_2_8_L_0
  10 D   4.280     -5.5908E-03   21.13       5.260       21.13       11.22          ACTIVE   0.000      -1.800       16.14
1.000       1.000       21.40       0.000       0.000     Ug5_2_8_L_0
  11 D   4.759     -5.3964E-03   23.55       5.865       23.55       12.23          ACTIVE   0.000      -2.000       17.93
1.000       1.000       23.80       0.000       0.000     Ug5_2_8_L_0
  12 D   5.237     -5.2024E-03   25.95       6.461       25.95       13.24          ACTIVE   0.000      -2.200       19.72
1.000       1.000       26.18       0.000       0.000     Ug5_2_8_L_0
  13 D   5.707     -5.0091E-03   28.19       7.020       28.19       14.24          ACTIVE   0.000      -2.400       21.52
1.000       1.000       28.54       0.000       0.000     Ug5_2_8_L_0
  14 D   6.183     -4.8164E-03   30.55       7.606       30.55       15.24          ACTIVE   0.000      -2.600       23.31
1.000       1.000       30.92       0.000       0.000     Ug5_2_8_L_0
  15 D   6.658     -4.6248E-03   32.88       8.187       32.88       16.23          ACTIVE   0.000      -2.800       25.10
1.000       1.000       33.29       0.000       0.000     Ug5_2_8_L_0
  16 D   7.132     -4.4344E-03   35.20       8.765       35.20       17.23          ACTIVE   0.000      -3.000       26.90
1.000       1.000       35.66       0.000       0.000     Ug5_2_8_L_0
  17 D   7.601     -4.2456E-03   37.42       9.317       37.42       18.22          ACTIVE   0.000      -3.200       28.69
1.000       1.000       38.01       0.000       0.000     Ug5_2_8_L_0
  18 D   8.075     -4.0586E-03   39.72       9.890       39.72       19.21          ACTIVE   0.000      -3.400       30.48
1.000       1.000       40.37       0.000       0.000     Ug5_2_8_L_0
  19 D   8.547     -3.8737E-03   42.01       10.46       42.01       20.21          ACTIVE   0.000      -3.600       32.28
1.000       1.000       42.74       0.000       0.000     Ug5_2_8_L_0
  20 D   9.016     -3.6915E-03   44.22       11.01       44.22       21.20          ACTIVE   0.000      -3.800       34.07
1.000       1.000       45.08       0.000       0.000     Ug5_2_8_L_0
  21 D   9.488     -3.5121E-03   46.50       11.58       46.50       22.19          ACTIVE   0.000      -4.000       35.86
1.000       1.000       47.44       0.000       0.000     Ug5_2_8_L_0
  22 D   9.960     -3.3360E-03   48.77       12.14       48.77       23.18          ACTIVE   0.000      -4.200       37.66
1.000       1.000       49.80       0.000       0.000     Ug5_2_8_L_0
  23 D   10.43     -3.1635E-03   50.98       12.69       50.98       24.18          ACTIVE   0.000      -4.400       39.45
1.000       1.000       52.14       0.000       0.000     Ug5_2_8_L_0
  24 D   10.90     -2.9949E-03   53.24       13.26       53.24       25.17          ACTIVE   0.000      -4.600       41.24
1.000       1.000       54.50       0.000       0.000     Ug5_2_8_L_0
  25 D   11.37     -2.8304E-03   55.51       13.82       55.51       26.17          ACTIVE   0.000      -4.800       43.03
1.000       1.000       56.86       0.000       0.000     Ug5_2_8_L_0
  26 D   11.84     -2.6702E-03   57.76       14.38       57.76       27.16          ACTIVE   0.000      -5.000       44.83
1.000       1.000       59.21       0.000       0.000     Ug5_2_8_L_0
  27 D   12.31     -2.5147E-03   59.96       14.93       59.96       28.16          ACTIVE   0.000      -5.200       46.62
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  28 D   12.78     -2.3638E-03   62.21       15.49       62.21       29.16          ACTIVE   0.000      -5.400       48.41
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1.000	1.000	63.90	0.000	0.000	Ug5_2_8_L_0						
29 D	13.25	-2.2179E-03	64.46	16.05	64.46	30.15	ACTIVE	0.000	-5.600	50.21	
1.000	1.000	66.26	0.000	0.000	Ug5_2_8_L_0						
30 D	13.72	-2.0770E-03	66.66	16.60	66.66	31.15	ACTIVE	0.000	-5.800	52.00	
1.000	1.000	68.60	0.000	0.000	Ug5_2_8_L_0						
31 D	14.19	-1.9412E-03	68.91	17.16	68.91	32.15	ACTIVE	0.000	-6.000	53.79	
1.000	1.000	70.95	0.000	0.000	Ug5_2_8_L_0						
32 D	14.66	-1.8106E-03	71.15	17.72	71.15	33.15	ACTIVE	0.000	-6.200	55.59	
1.000	1.000	73.30	0.000	0.000	Ug5_2_8_L_0						
33 D	15.13	-1.6853E-03	73.35	18.26	73.35	34.15	ACTIVE	0.000	-6.400	57.38	
1.000	1.000	75.64	0.000	0.000	Ug5_2_8_L_0						
34 D	15.60	-1.5653E-03	75.59	18.82	75.59	35.15	ACTIVE	0.000	-6.600	59.17	
1.000	1.000	77.99	0.000	0.000	Ug5_2_8_L_0						
35 D	16.07	-1.4507E-03	77.83	19.38	77.83	36.15	ACTIVE	0.000	-6.800	60.97	
1.000	1.000	80.34	0.000	0.000	Ug5_2_8_L_0						
36 D	16.54	-1.3414E-03	80.06	19.94	80.06	37.16	ACTIVE	0.000	-7.000	62.76	
1.000	1.000	82.69	0.000	0.000	Ug5_2_8_L_0						
37 D	17.01	-1.2375E-03	82.26	20.48	82.26	38.16	ACTIVE	0.000	-7.200	64.55	
1.000	1.000	85.03	0.000	0.000	Ug5_2_8_L_0						
38 D	17.48	-1.1389E-03	84.49	21.04	84.49	39.16	ACTIVE	0.000	-7.400	66.34	
1.000	1.000	87.38	0.000	0.000	Ug5_2_8_L_0						
39 D	17.95	-1.0457E-03	86.73	21.59	86.73	40.17	ACTIVE	0.000	-7.600	68.14	
1.000	1.000	89.73	0.000	0.000	Ug5_2_8_L_0						
40 D	18.41	-9.5768E-04	88.92	22.14	88.92	41.17	ACTIVE	0.000	-7.800	69.93	
1.000	1.000	92.07	0.000	0.000	Ug5_2_8_L_0						
41 D	18.88	-8.7491E-04	91.15	22.70	91.15	42.18	ACTIVE	0.000	-8.000	71.72	
1.000	1.000	94.42	0.000	0.000	Ug5_2_8_L_0						
42 D	19.35	-7.9729E-04	93.38	23.25	93.38	43.19	ACTIVE	0.000	-8.200	73.52	
1.000	1.000	96.77	0.000	0.000	Ug5_2_8_L_0						
43 D	19.82	-7.2474E-04	95.58	23.80	95.58	44.19	ACTIVE	0.000	-8.400	75.31	
1.000	1.000	99.11	0.000	0.000	Ug5_2_8_L_0						
44 D	20.29	-6.5718E-04	97.81	24.35	97.81	45.20	ACTIVE	0.000	-8.600	77.10	
1.000	1.000	101.5	0.000	0.000	Ug5_2_8_L_0						
45 D	20.76	-5.9449E-04	100.0	24.91	100.0	46.21	ACTIVE	0.000	-8.800	78.90	
1.000	1.000	103.8	0.000	0.000	Ug5_2_8_L_0						
46 D	21.23	-5.3657E-04	102.3	25.46	102.3	47.22	ACTIVE	0.000	-9.000	80.69	
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0						
47 D	21.70	-4.8329E-04	104.5	26.01	104.5	48.23	ACTIVE	0.000	-9.200	82.48	
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0						
48 D	22.17	-4.3452E-04	106.7	26.57	106.7	49.24	ACTIVE	0.000	-9.400	84.28	
1.000	1.000	110.8	0.000	0.000	Ug5_2_8_L_0						
49 D	22.64	-3.9011E-04	108.9	27.12	108.9	50.26	ACTIVE	0.000	-9.600	86.07	
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0						
50 D	23.11	-3.4990E-04	111.1	27.67	111.1	51.27	ACTIVE	0.000	-9.800	87.86	
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0						
51 D	23.59	-3.1372E-04	113.3	28.29	113.3	52.28	UL-RL	7.5213E+04	-10.00	89.66	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
52 D	24.66	-2.8139E-04	115.6	31.85	115.6	53.29	UL-RL	7.5213E+04	-10.20	91.45	
1.000	1.000	123.3	0.000	0.000	Ug5_2_8_L_0						
53 D	25.67	-2.5271E-04	117.8	35.10	117.8	54.31	UL-RL	7.5213E+04	-10.40	93.24	
1.000	1.000	128.3	0.000	0.000	Ug5_2_8_L_0						
54 D	26.62	-2.2748E-04	120.0	38.08	120.0	55.32	UL-RL	7.5213E+04	-10.60	95.03	
1.000	1.000	133.1	0.000	0.000	Ug5_2_8_L_0						
55 D	27.52	-2.0549E-04	122.2	40.78	122.2	56.34	UL-RL	7.5213E+04	-10.80	96.83	
1.000	1.000	137.6	0.000	0.000	Ug5_2_8_L_0						
56 D	28.37	-1.8652E-04	124.4	43.24	124.4	57.35	UL-RL	7.5213E+04	-11.00	98.62	
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0						
57 D	29.18	-1.7035E-04	126.6	45.47	126.6	58.37	UL-RL	7.5213E+04	-11.20	100.4	
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0						
58 D	29.94	-1.5677E-04	128.8	47.49	128.8	59.39	UL-RL	7.5213E+04	-11.40	102.2	
1.000	1.000	149.7	0.000	0.000	Ug5_2_8_L_0						
59 D	30.66	-1.4554E-04	131.1	49.32	131.1	60.40	UL-RL	7.5213E+04	-11.60	104.0	
1.000	1.000	153.3	0.000	0.000	Ug5_2_8_L_0						
60 D	31.35	-1.3647E-04	133.3	50.97	133.3	61.42	UL-RL	7.5213E+04	-11.80	105.8	
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0						
61 D	32.01	-1.2933E-04	135.5	52.48	135.5	62.44	UL-RL	7.5213E+04	-12.00	107.6	
1.000	1.000	160.1	0.000	0.000	Ug5_2_8_L_0						
62 D	34.08	-1.2392E-04	137.5	61.02	137.5	63.36	UL-RL	3.6008E+04	-12.20	109.4	
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0						
63 D	34.65	-1.2003E-04	139.5	62.08	139.5	64.28	UL-RL	3.6008E+04	-12.40	111.2	
1.000	1.000	173.3	0.000	0.000	Ug6_741_743_L_0						
64 D	35.21	-1.1748E-04	141.5	63.10	141.5	65.20	UL-RL	3.6008E+04	-12.60	113.0	
1.000	1.000	176.1	0.000	0.000	Ug6_741_743_L_0						
65 D	35.77	-1.1609E-04	143.5	64.07	143.5	66.12	UL-RL	3.6008E+04	-12.80	114.8	
1.000	1.000	178.8	0.000	0.000	Ug6_741_743_L_0						
66 D	36.31	-1.1570E-04	145.5	65.01	145.5	67.04	UL-RL	3.6008E+04	-13.00	116.6	
1.000	1.000	181.6	0.000	0.000	Ug6_741_743_L_0						
67 D	36.85	-1.1617E-04	147.5	65.92	147.5	67.96	UL-RL	3.6008E+04	-13.20	118.3	
1.000	1.000	184.3	0.000	0.000	Ug6_741_743_L_0						
68 D	37.39	-1.1736E-04	149.4	66.80	149.4	68.88	UL-RL	3.6008E+04	-13.40	120.1	
1.000	1.000	186.9	0.000	0.000	Ug6_741_743_L_0						

69 D	37.92	-1.1916E-04	151.4	67.66	151.4	69.80	UL-RL	3.6008E+04	-13.60	121.9
1.000	1.000	189.6	0.000	0.000	Ug6_741_743_L_0					
70 D	38.45	-1.2146E-04	153.4	68.50	153.4	70.72	UL-RL	3.6008E+04	-13.80	123.7
1.000	1.000	192.2	0.000	0.000	Ug6_741_743_L_0					
71 D	38.97	-1.2416E-04	155.4	69.34	155.4	71.64	UL-RL	3.6008E+04	-14.00	125.5
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0					
72 D	39.49	-1.2719E-04	157.3	70.16	157.3	72.56	UL-RL	3.6008E+04	-14.20	127.3
1.000	1.000	197.5	0.000	0.000	Ug6_741_743_L_0					
73 D	40.01	-1.3047E-04	159.3	70.97	159.3	73.49	UL-RL	3.6008E+04	-14.40	129.1
1.000	1.000	200.1	0.000	0.000	Ug6_741_743_L_0					
74 D	40.54	-1.3395E-04	161.3	71.78	161.3	74.41	UL-RL	3.6008E+04	-14.60	130.9
1.000	1.000	202.7	0.000	0.000	Ug6_741_743_L_0					
75 D	41.05	-1.3757E-04	163.3	72.58	163.3	75.33	UL-RL	3.6008E+04	-14.80	132.7
1.000	1.000	205.3	0.000	0.000	Ug6_741_743_L_0					
76 D	41.57	-1.4129E-04	165.3	73.39	165.3	76.25	UL-RL	3.6008E+04	-15.00	134.5
1.000	1.000	207.9	0.000	0.000	Ug6_741_743_L_0					
77 D	42.09	-1.4507E-04	167.2	74.19	167.2	77.18	UL-RL	3.6008E+04	-15.20	136.3
1.000	1.000	210.5	0.000	0.000	Ug6_741_743_L_0					
78 D	42.61	-1.4890E-04	169.2	74.98	169.2	78.10	UL-RL	3.6008E+04	-15.40	138.1
1.000	1.000	213.1	0.000	0.000	Ug6_741_743_L_0					
79 D	43.13	-1.5275E-04	171.2	75.78	171.2	79.03	UL-RL	3.6008E+04	-15.60	139.9
1.000	1.000	215.6	0.000	0.000	Ug6_741_743_L_0					
80 D	43.65	-1.5661E-04	173.2	76.58	173.2	79.95	UL-RL	3.6008E+04	-15.80	141.7
1.000	1.000	218.2	0.000	0.000	Ug6_741_743_L_0					
81 D	22.08	-1.6048E-04	175.2	77.38	175.2	80.88	UL-RL	3.6008E+04	-16.00	143.4
1.000	1.000	220.8	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                              |
 |                                 Exe Time :24 May 2018       18:25:49                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      4.4344E-03   0.000       0.000       30.00       36.37       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.858      4.2456E-03   1.793       12.08       32.00       36.17       PASSIVE   0.000       -3.200       2.207
1.000       1.000       14.29       0.000       0.000     Ug5_2_8_L_0
  18 D   5.716      4.0586E-03   3.586       24.16       34.00       35.99       PASSIVE   0.000       -3.400       4.414
1.000       1.000       28.58       0.000       0.000     Ug5_2_8_L_0
  19 D   8.573      3.8737E-03   5.379       36.25       36.00       36.25       PASSIVE   0.000       -3.600       6.621
1.000       1.000       42.87       0.000       0.000     Ug5_2_8_L_0
  20 D   11.43      3.6915E-03   7.172       48.33       38.00       48.33       PASSIVE   0.000       -3.800       8.828
1.000       1.000       57.16       0.000       0.000     Ug5_2_8_L_0
  21 D   14.29      3.5121E-03   8.966       60.41       40.00       60.41       PASSIVE   0.000       -4.000       11.03
1.000       1.000       71.44       0.000       0.000     Ug5_2_8_L_0
  22 D   15.84      3.3360E-03   10.76       65.98       42.00       65.98           V-C   1.2465E+04  -4.200       13.24
1.000       1.000       79.22       0.000       0.000     Ug5_2_8_L_0
  23 D   15.98      3.1635E-03   12.55       64.48       44.00       64.48           V-C   1.2465E+04  -4.400       15.45
1.000       1.000       79.92       0.000       0.000     Ug5_2_8_L_0
  24 D   16.14      2.9949E-03   14.34       63.03       46.00       63.03           V-C   1.2465E+04  -4.600       17.66
1.000       1.000       80.68       0.000       0.000     Ug5_2_8_L_0
  25 D   16.30      2.8304E-03   16.14       61.64       48.00       61.64           V-C   1.2465E+04  -4.800       19.86
1.000       1.000       81.50       0.000       0.000     Ug5_2_8_L_0
  26 D   16.48      2.6702E-03   17.93       60.31       50.00       60.31           V-C   1.2465E+04  -5.000       22.07
1.000       1.000       82.38       0.000       0.000     Ug5_2_8_L_0
  27 D   16.67      2.5147E-03   19.72       59.05       52.00       59.05           V-C   1.2465E+04  -5.200       24.28
1.000       1.000       83.33       0.000       0.000     Ug5_2_8_L_0
  28 D   16.87      2.3638E-03   21.52       57.86       54.00       57.86           V-C   1.2465E+04  -5.400       26.48
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1.000	1.000	84.35	0.000	0.000	Ug5_2_8_L_0						
29 D	17.09	2.2179E-03	23.31	56.75	56.00	56.75	V-C	1.2465E+04	-5.600	28.69	
1.000	1.000	85.44	0.000	0.000	Ug5_2_8_L_0						
30 D	17.32	2.0770E-03	25.10	55.71	58.00	55.71	V-C	1.2465E+04	-5.800	30.90	
1.000	1.000	86.61	0.000	0.000	Ug5_2_8_L_0						
31 D	17.57	1.9412E-03	26.90	54.76	60.00	54.76	V-C	1.2465E+04	-6.000	33.10	
1.000	1.000	87.86	0.000	0.000	Ug5_2_8_L_0						
32 D	17.84	1.8106E-03	28.69	53.88	62.00	53.88	V-C	1.2465E+04	-6.200	35.31	
1.000	1.000	89.19	0.000	0.000	Ug5_2_8_L_0						
33 D	18.12	1.6853E-03	30.48	53.07	64.00	53.07	V-C	1.2465E+04	-6.400	37.52	
1.000	1.000	90.59	0.000	0.000	Ug5_2_8_L_0						
34 D	18.42	1.5653E-03	32.28	52.35	66.00	52.35	V-C	1.2465E+04	-6.600	39.72	
1.000	1.000	92.08	0.000	0.000	Ug5_2_8_L_0						
35 D	18.73	1.4507E-03	34.07	51.72	68.00	51.72	V-C	1.2465E+04	-6.800	41.93	
1.000	1.000	93.65	0.000	0.000	Ug5_2_8_L_0						
36 D	19.06	1.3414E-03	35.86	51.16	70.00	51.16	V-C	1.2465E+04	-7.000	44.14	
1.000	1.000	95.29	0.000	0.000	Ug5_2_8_L_0						
37 D	19.40	1.2375E-03	37.66	50.68	72.00	50.68	V-C	1.2465E+04	-7.200	46.34	
1.000	1.000	97.02	0.000	0.000	Ug5_2_8_L_0						
38 D	19.77	1.1389E-03	39.45	50.28	74.00	50.28	V-C	1.2465E+04	-7.400	48.55	
1.000	1.000	98.83	0.000	0.000	Ug5_2_8_L_0						
39 D	20.14	1.0457E-03	41.24	49.96	76.00	49.96	V-C	1.2465E+04	-7.600	50.76	
1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0						
40 D	20.54	9.5768E-04	43.03	49.72	78.00	49.72	V-C	1.2465E+04	-7.800	52.97	
1.000	1.000	102.7	0.000	0.000	Ug5_2_8_L_0						
41 D	20.95	8.7491E-04	44.83	49.56	80.00	49.56	V-C	1.2465E+04	-8.000	55.17	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
42 D	21.37	7.9729E-04	46.62	49.47	82.00	49.47	V-C	1.2465E+04	-8.200	57.38	
1.000	1.000	106.8	0.000	0.000	Ug5_2_8_L_0						
43 D	21.81	7.2474E-04	48.41	49.45	84.00	49.45	V-C	1.2465E+04	-8.400	59.59	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
44 D	22.26	6.5718E-04	50.21	49.51	86.00	49.51	V-C	1.2465E+04	-8.600	61.79	
1.000	1.000	111.3	0.000	0.000	Ug5_2_8_L_0						
45 D	22.73	5.9449E-04	52.00	49.64	88.00	49.64	V-C	1.2465E+04	-8.800	64.00	
1.000	1.000	113.6	0.000	0.000	Ug5_2_8_L_0						
46 D	23.21	5.3657E-04	53.79	49.84	90.00	49.84	V-C	1.2465E+04	-9.000	66.21	
1.000	1.000	116.0	0.000	0.000	Ug5_2_8_L_0						
47 D	23.70	4.8329E-04	55.59	50.10	92.00	50.10	V-C	1.2465E+04	-9.200	68.41	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
48 D	24.21	4.3452E-04	57.38	50.43	94.00	50.43	V-C	1.2465E+04	-9.400	70.62	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
49 D	24.73	3.9011E-04	59.17	50.82	96.00	50.82	V-C	1.2465E+04	-9.600	72.83	
1.000	1.000	123.6	0.000	0.000	Ug5_2_8_L_0						
50 D	25.26	3.4990E-04	60.97	51.27	98.00	51.27	V-C	1.2465E+04	-9.800	75.03	
1.000	1.000	126.3	0.000	0.000	Ug5_2_8_L_0						
51 D	25.80	3.1372E-04	62.76	51.77	100.00	51.77	V-C	1.2465E+04	-10.00	77.24	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
52 D	26.36	2.8139E-04	64.55	52.33	102.0	52.33	V-C	1.2465E+04	-10.20	79.45	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
53 D	26.92	2.5271E-04	66.34	52.94	104.0	52.94	V-C	1.2465E+04	-10.40	81.66	
1.000	1.000	134.6	0.000	0.000	Ug5_2_8_L_0						
54 D	27.48	2.2748E-04	68.14	53.56	106.0	53.61	UL-RL	3.7394E+04	-10.60	83.86	
1.000	1.000	137.4	0.000	0.000	Ug5_2_8_L_0						
55 D	27.95	2.0549E-04	69.93	53.69	108.0	54.60	UL-RL	3.7394E+04	-10.80	86.07	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
56 D	28.45	1.8652E-04	71.72	53.95	110.0	55.58	UL-RL	3.7394E+04	-11.00	88.28	
1.000	1.000	142.2	0.000	0.000	Ug5_2_8_L_0						
57 D	28.96	1.7035E-04	73.52	54.33	112.0	56.56	UL-RL	3.7394E+04	-11.20	90.48	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
58 D	29.50	1.5677E-04	75.31	54.81	114.0	57.55	UL-RL	3.7394E+04	-11.40	92.69	
1.000	1.000	147.5	0.000	0.000	Ug5_2_8_L_0						
59 D	30.06	1.4554E-04	77.10	55.38	116.0	58.53	UL-RL	3.7394E+04	-11.60	94.90	
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0						
60 D	30.63	1.3647E-04	78.90	56.04	118.0	59.52	UL-RL	3.7394E+04	-11.80	97.10	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
61 D	31.22	1.2933E-04	80.69	56.78	120.0	60.50	UL-RL	3.7394E+04	-12.00	99.31	
1.000	1.000	156.1	0.000	0.000	Ug5_2_8_L_0						
62 D	31.46	1.2392E-04	82.28	55.76	121.8	61.39	UL-RL	2.8119E+04	-12.20	101.5	
1.000	1.000	157.3	0.000	0.000	Ug6_741_743_L_0						
63 D	32.05	1.2003E-04	83.88	56.55	123.6	62.28	UL-RL	2.8119E+04	-12.40	103.7	
1.000	1.000	160.3	0.000	0.000	Ug6_741_743_L_0						
64 D	32.66	1.1748E-04	85.47	57.37	125.4	63.16	UL-RL	2.8119E+04	-12.60	105.9	
1.000	1.000	163.3	0.000	0.000	Ug6_741_743_L_0						
65 D	33.27	1.1609E-04	87.06	58.22	127.2	64.05	UL-RL	2.8119E+04	-12.80	108.1	
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0						
66 D	33.89	1.1570E-04	88.66	59.11	129.0	64.94	UL-RL	2.8119E+04	-13.00	110.3	
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0						
67 D	34.51	1.1617E-04	90.25	60.01	130.8	65.83	UL-RL	2.8119E+04	-13.20	112.6	
1.000	1.000	172.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.14	1.1736E-04	91.84	60.94	132.6	66.72	UL-RL	2.8119E+04	-13.40	114.8	
1.000	1.000	175.7	0.000	0.000	Ug6_741_743_L_0						

69 D	35.77	1.1916E-04	93.43	61.88	134.4	67.60	UL-RL	2.8119E+04	-13.60	117.0
1.000	1.000	178.9	0.000	0.000	Ug6_741_743_L_0					
70 D	36.40	1.2146E-04	95.03	62.84	136.2	68.49	UL-RL	2.8119E+04	-13.80	119.2
1.000	1.000	182.0	0.000	0.000	Ug6_741_743_L_0					
71 D	37.04	1.2416E-04	96.62	63.81	138.0	69.38	UL-RL	2.8119E+04	-14.00	121.4
1.000	1.000	185.2	0.000	0.000	Ug6_741_743_L_0					
72 D	37.67	1.2719E-04	98.21	64.79	139.8	70.27	UL-RL	2.8119E+04	-14.20	123.6
1.000	1.000	188.4	0.000	0.000	Ug6_741_743_L_0					
73 D	38.31	1.3047E-04	99.81	65.77	141.6	71.16	UL-RL	2.8119E+04	-14.40	125.8
1.000	1.000	191.6	0.000	0.000	Ug6_741_743_L_0					
74 D	38.95	1.3395E-04	101.4	66.76	143.4	72.05	UL-RL	2.8119E+04	-14.60	128.0
1.000	1.000	194.8	0.000	0.000	Ug6_741_743_L_0					
75 D	39.59	1.3757E-04	103.0	67.75	145.2	72.94	UL-RL	2.8119E+04	-14.80	130.2
1.000	1.000	198.0	0.000	0.000	Ug6_741_743_L_0					
76 D	40.23	1.4129E-04	104.6	68.74	147.0	73.84	UL-RL	2.8119E+04	-15.00	132.4
1.000	1.000	201.2	0.000	0.000	Ug6_741_743_L_0					
77 D	40.87	1.4507E-04	106.2	69.74	148.8	74.73	UL-RL	2.8119E+04	-15.20	134.6
1.000	1.000	204.4	0.000	0.000	Ug6_741_743_L_0					
78 D	41.51	1.4890E-04	107.8	70.73	150.6	75.62	UL-RL	2.8119E+04	-15.40	136.8
1.000	1.000	207.6	0.000	0.000	Ug6_741_743_L_0					
79 D	42.15	1.5275E-04	109.4	71.73	152.4	76.51	UL-RL	2.8119E+04	-15.60	139.0
1.000	1.000	210.8	0.000	0.000	Ug6_741_743_L_0					
80 D	42.79	1.5661E-04	111.0	72.73	154.2	77.40	UL-RL	2.8119E+04	-15.80	141.2
1.000	1.000	214.0	0.000	0.000	Ug6_741_743_L_0					
81 D	21.72	1.6048E-04	112.6	73.72	156.0	78.29	UL-RL	2.8119E+04	-16.00	143.4
1.000	1.000	217.2	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 3.36677E-10-3.36677E-10 3.40954E-11 1.28445E-10
    2 0.46893    -0.46893    -2.42859E-10 9.37854E-02
    3  1.4088     -1.4088    -9.37854E-02 0.37555
    4  2.8222     -2.8222     -0.37555     0.93999
    5  4.7111     -4.7111     -0.93999      1.8822
    6  7.0764     -7.0764      -1.8822      3.2975
    7  9.9179     -9.9179      -3.2975      5.2811
    8  13.241     -13.241      -5.2811      7.9293
    9  17.048     -17.048      -7.9293      11.339
   10  21.328     -21.328      -11.339      15.604
   11  26.087     -26.087      -15.604      20.822
   12  31.324     -31.324      -20.822      27.086
   13  37.031     -37.031      -27.086      34.493
   14  43.214     -43.214      -34.493      43.136
   15  49.873     -49.873      -43.136      53.110
   16  57.005     -57.005      -53.110      64.511
   17  61.748     -61.748      -64.511      76.861
   18  64.107     -64.107      -76.861      89.682
   19  64.081     -64.081      -89.682      102.50
   20  61.666     -61.666      -102.50      114.83
   21  56.866     -56.866      -114.83      126.20
   22  50.981     -50.981      -126.20      136.40
   23  45.425     -45.425      -136.40      145.49
   24  40.189     -40.189      -145.49      153.52
   25  35.260     -35.260      -153.52      160.58
   26  30.627     -30.627      -160.58      166.70
   27  26.271     -26.271      -166.70      171.96
   28  22.183     -22.183      -171.96      176.39
   29  18.346     -18.346      -176.39      180.06
   30  14.744     -14.744      -180.06      183.01
   31  11.362     -11.362      -183.01      185.28
   32  8.1855     -8.1855      -185.28      186.92
   33  5.1955     -5.1955      -186.92      187.96
   34  2.3784     -2.3784      -187.96      188.43
   35-0.28201     0.28201      -188.43      188.38
   36 -2.8020      2.8020      -188.38      187.82
   37 -5.1998      5.1998      -187.82      186.78
   38 -7.4894      7.4894      -186.78      185.28
   39 -9.6865      9.6865      -185.28      183.34
   40 -11.809      11.809      -183.34      180.98
   41 -13.870      13.870      -180.98      178.21
   42 -15.885      15.885      -178.21      175.03
   43 -17.871      17.871      -175.03      171.46
   44 -19.840      19.840      -171.46      167.49
   45 -21.807      21.807      -167.49      163.13
   46 -23.785      23.785      -163.13      158.37
   47 -25.789      25.789      -158.37      153.21
   48 -27.831      27.831      -153.21      147.64
   49 -29.922      29.922      -147.64      141.66
   50 -32.077      32.077      -141.66      135.24
   51 -34.291      34.291      -135.24      128.39
   52 -35.987      35.987      -128.39      121.19
   53 -37.237      37.237      -121.19      113.74
   54 -38.098      38.098      -113.74      106.12
   55 -38.529      38.529      -106.12      98.417
   56 -38.604      38.604      -98.417      90.696
   57 -38.389      38.389      -90.696      83.018
   58 -37.950      37.950      -83.018      75.428
   59 -37.342      37.342      -75.428      67.960
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   60 -36.618      36.618     -67.960      60.636
   61 -35.824      35.824     -60.636      53.471
   62 -33.201      33.201     -53.471      46.831
   63 -30.604      30.604     -46.831      40.710
   64 -28.051      28.051     -40.710      35.100
   65 -25.557      25.557     -35.100      29.989
   66 -23.135      23.135     -29.989      25.362
   67 -20.796      20.796     -25.362      21.202
   68 -18.549      18.549     -21.202      17.493
   69 -16.401      16.401     -17.493      14.212
   70 -14.359      14.359     -14.212      11.341
   71 -12.426      12.426     -11.341      8.8555
   72 -10.607      10.607     -8.8555      6.7341
   73 -8.9044      8.9044     -6.7341      4.9532
   74 -7.3206      7.3206     -4.9532      3.4891
   75 -5.8569      5.8569     -3.4891      2.3177
   76 -4.5145      4.5145     -2.3177      1.4148
   77 -3.2938      3.2938     -1.4148     0.75605
   78 -2.1954      2.1954    -0.75605     0.31698
   79 -1.2193      1.2193    -0.31698     7.31252E-02
   80-0.36561     0.36561    -7.31252E-02 1.07692E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 1039.     REMNOR=0.1376E-18 RATIO =0.6851E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.6851E-01 RATIOR= 0.000
           MAX UN= 14.13     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 284.1     REMNOR=0.2236E-18 RATIO =0.3583E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.3583E-01 RATIOR= 0.000
           MAX UN= 3.995     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.3957E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 190.7     REMNOR=0.2830E-17 RATIO =0.2935E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.2935E-01 RATIOR= 0.000
           MAX UN= 6.776     IEQ=    53 NODE     27 DOF   1  Y-DISPL.F
           MIN UN=-1.130     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM= 3.002     REMNOR=0.1185E-17 RATIO =0.3683E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.3683E-02 RATIOR= 0.000
           MAX UN= 1.468     IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.3519E-01 IEQ=   135 NODE     68 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2213E+06 RIMNOR=0.2031E+07
           RENORM=0.1012E-01 REMNOR=0.1172E-17 RATIO =0.2139E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 64.11     RMMAX = 188.4
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2213E+06 RDR   =0.2031E+07
           RATIOT=0.2139E-03 RATIOR= 0.000
           MAX UN=0.1009E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.4091E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.2213E+06 RIMNOR=0.2031E+07
            RENORM=0.1067E-02 REMNOR=0.1549E-17 RATIO =0.6943E-04 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 64.11      RMMAX = 188.4
            RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
            RDT   =0.2213E+06 RDR   =0.2031E+07
            RATIOT=0.6943E-04 RATIOR= 0.000
            MAX UN=0.1451E-01 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
            MIN UN=-.8356E-08 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   1.9473034E-02  -2.2062447E-03
    2   1.9031785E-02  -2.2062447E-03
    3   1.8590537E-02  -2.2062382E-03
    4   1.8149291E-02  -2.2062056E-03
    5   1.7708058E-02  -2.2061144E-03
    6   1.7266853E-02  -2.2059186E-03
    7   1.6825702E-02  -2.2055592E-03
    8   1.6384645E-02  -2.2049639E-03
    9   1.5943737E-02  -2.2040473E-03
   10   1.5503054E-02  -2.2027103E-03
   11   1.5062689E-02  -2.2008407E-03
   12   1.4622761E-02  -2.1983130E-03
   13   1.4183417E-02  -2.1949885E-03
   14   1.3744829E-02  -2.1907152E-03
   15   1.3307205E-02  -2.1853282E-03
   16   1.2870784E-02  -2.1786491E-03
   17   1.2435842E-02  -2.1704865E-03
   18   1.2002700E-02  -2.1606360E-03
   19   1.1571715E-02  -2.1488800E-03
   20   1.1143290E-02  -2.1349877E-03
   21   1.0717880E-02  -2.1187155E-03
   22   1.0295982E-02  -2.0998064E-03
   23   9.8781490E-03  -2.0780299E-03
   24   9.4649723E-03  -2.0532212E-03
   25   9.0570693E-03  -2.0252813E-03
   26   8.6550708E-03  -1.9941767E-03
   27   8.2596094E-03  -1.9599402E-03
   28   7.8712990E-03  -1.9226693E-03
   29   7.4907330E-03  -1.8825282E-03
   30   7.1184638E-03  -1.8397463E-03
   31   6.7549913E-03  -1.7946120E-03
   32   6.4007572E-03  -1.7474309E-03
   33   6.0561380E-03  -1.6984906E-03
   34   5.7214601E-03  -1.6480630E-03
   35   5.3969949E-03  -1.5964041E-03
   36   5.0829645E-03  -1.5437545E-03
   37   4.7795455E-03  -1.4903410E-03
   38   4.4868664E-03  -1.4363756E-03
   39   4.2050187E-03  -1.3820584E-03
   40   3.9340540E-03  -1.3275769E-03
   41   3.6739872E-03  -1.2731072E-03
   42   3.4247993E-03  -1.2188146E-03
   43   3.1864392E-03  -1.1648545E-03
   44   2.9588256E-03  -1.1113730E-03
   45   2.7418499E-03  -1.0585079E-03
   46   2.5353738E-03  -1.0063884E-03
   47   2.3392367E-03  -9.5513732E-04
   48   2.1532532E-03  -9.0487081E-04
   49   1.9772154E-03  -8.5569923E-04
   50   1.8108943E-03  -8.0772805E-04
   51   1.6540383E-03  -7.6105755E-04
   52   1.5063745E-03  -7.1578377E-04
   53   1.3676282E-03  -6.7200473E-04
   54   1.2374743E-03  -6.2980586E-04
   55   1.1155945E-03  -5.8927820E-04
   56   1.0016458E-03  -5.5050896E-04
   57   8.9526794E-04  -5.1358425E-04
   58   7.9608343E-04  -4.7858956E-04
   59   7.0369775E-04  -4.4561027E-04
   60   6.1769926E-04  -4.1473201E-04
   61   5.3765912E-04  -3.8604111E-04
   62   4.6313116E-04  -3.5962496E-04
   63   3.9365571E-04  -3.3551033E-04
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64	3.2877645E-04	-3.1365440E-04
65	2.6804728E-04	-2.9399844E-04
66	2.1103530E-04	-2.7646912E-04
67	1.5732364E-04	-2.6097970E-04
68	1.0651404E-04	-2.4743102E-04
69	5.8229117E-05	-2.3571408E-04
70	1.2114029E-05	-2.2571282E-04
71	-3.2162283E-05	-2.1730566E-04
72	-7.4906095E-05	-2.1036642E-04
73	-1.1639802E-04	-2.0476467E-04
74	-1.5689217E-04	-2.0036599E-04
75	-1.9661541E-04	-1.9703223E-04
76	-2.3576660E-04	-1.9462165E-04
77	-2.7451593E-04	-1.9298906E-04
78	-3.1300419E-04	-1.9198592E-04
79	-3.5134213E-04	-1.9146022E-04
80	-3.8960974E-04	-1.9125638E-04
81	-4.2785744E-04	-1.9121525E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -1.9473E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4571     -1.9032E-02   2.294      0.5712       2.294       1.603          ACTIVE   0.000     -0.2000       1.714
1.000       1.000       2.285       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9162     -1.8591E-02   4.628       1.152       4.628       3.119          ACTIVE   0.000     -0.4000       3.429
1.000       1.000       4.581       0.000       0.000     Ug5_2_8_L_0
   4 D   1.378     -1.8149E-02   7.015       1.747       7.015       4.509          ACTIVE   0.000     -0.6000       5.143
1.000       1.000       6.890       0.000       0.000     Ug5_2_8_L_0
   5 D   1.842     -1.7708E-02   9.440       2.351       9.440       5.780          ACTIVE   0.000     -0.8000       6.857
1.000       1.000       9.208       0.000       0.000     Ug5_2_8_L_0
   6 D   2.306     -1.7267E-02   11.88       2.959       11.88       6.958          ACTIVE   0.000      -1.000       8.571
1.000       1.000       11.53       0.000       0.000     Ug5_2_8_L_0
   7 D   2.771     -1.6826E-02   14.32       3.567       14.32       8.073          ACTIVE   0.000      -1.200       10.29
1.000       1.000       13.85       0.000       0.000     Ug5_2_8_L_0
   8 D   3.240     -1.6385E-02   16.87       4.202       16.87       9.145          ACTIVE   0.000      -1.400       12.00
1.000       1.000       16.20       0.000       0.000     Ug5_2_8_L_0
   9 D   3.712     -1.5944E-02   19.46       4.846       19.46       10.19          ACTIVE   0.000      -1.600       13.71
1.000       1.000       18.56       0.000       0.000     Ug5_2_8_L_0
  10 D   4.173     -1.5503E-02   21.84       5.437       21.84       11.22          ACTIVE   0.000      -1.800       15.43
1.000       1.000       20.87       0.000       0.000     Ug5_2_8_L_0
  11 D   4.641     -1.5063E-02   24.34       6.061       24.34       12.23          ACTIVE   0.000      -2.000       17.14
1.000       1.000       23.20       0.000       0.000     Ug5_2_8_L_0
  12 D   5.107     -1.4623E-02   26.81       6.676       26.81       13.24          ACTIVE   0.000      -2.200       18.86
1.000       1.000       25.53       0.000       0.000     Ug5_2_8_L_0
  13 D   5.565     -1.4183E-02   29.14       7.255       29.14       14.24          ACTIVE   0.000      -2.400       20.57
1.000       1.000       27.83       0.000       0.000     Ug5_2_8_L_0
  14 D   6.029     -1.3745E-02   31.57       7.861       31.57       15.24          ACTIVE   0.000      -2.600       22.29
1.000       1.000       30.15       0.000       0.000     Ug5_2_8_L_0
  15 D   6.492     -1.3307E-02   33.98       8.462       33.98       16.23          ACTIVE   0.000      -2.800       24.00
1.000       1.000       32.46       0.000       0.000     Ug5_2_8_L_0
  16 D   6.955     -1.2871E-02   36.38       9.059       36.38       17.23          ACTIVE   0.000      -3.000       25.71
1.000       1.000       34.77       0.000       0.000     Ug5_2_8_L_0
  17 D   7.412     -1.2436E-02   38.68       9.631       38.68       18.22          ACTIVE   0.000      -3.200       27.43
1.000       1.000       37.06       0.000       0.000     Ug5_2_8_L_0
  18 D   7.873     -1.2003E-02   41.06       10.22       41.06       19.21          ACTIVE   0.000      -3.400       29.14
1.000       1.000       39.37       0.000       0.000     Ug5_2_8_L_0
  19 D   8.334     -1.1572E-02   43.43       10.81       43.43       20.21          ACTIVE   0.000      -3.600       30.86
1.000       1.000       41.67       0.000       0.000     Ug5_2_8_L_0
  20 D   8.791     -1.1143E-02   45.72       11.38       45.72       21.20          ACTIVE   0.000      -3.800       32.57
1.000       1.000       43.95       0.000       0.000     Ug5_2_8_L_0
  21 D   9.251     -1.0718E-02   48.08       11.97       48.08       22.19          ACTIVE   0.000      -4.000       34.29
1.000       1.000       46.26       0.000       0.000     Ug5_2_8_L_0
  22 D   9.711     -1.0296E-02   50.43       12.56       50.43       23.18          ACTIVE   0.000      -4.200       36.00
1.000       1.000       48.56       0.000       0.000     Ug5_2_8_L_0
  23 D   10.17     -9.8781E-03   52.71       13.12       52.71       24.18          ACTIVE   0.000      -4.400       37.71
1.000       1.000       50.84       0.000       0.000     Ug5_2_8_L_0
  24 D   10.63     -9.4650E-03   55.06       13.71       55.06       25.17          ACTIVE   0.000      -4.600       39.43
1.000       1.000       53.14       0.000       0.000     Ug5_2_8_L_0
  25 D   11.09     -9.0571E-03   57.40       14.29       57.40       26.17          ACTIVE   0.000      -4.800       41.14
1.000       1.000       55.43       0.000       0.000     Ug5_2_8_L_0
  26 D   11.55     -8.6551E-03   59.73       14.87       59.73       27.16          ACTIVE   0.000      -5.000       42.86
1.000       1.000       57.73       0.000       0.000     Ug5_2_8_L_0
  27 D   12.00     -8.2596E-03   62.01       15.44       62.01       28.16          ACTIVE   0.000      -5.200       44.57
1.000       1.000       60.01       0.000       0.000     Ug5_2_8_L_0
  28 D   12.46     -7.8713E-03   64.34       16.02       64.34       29.16          ACTIVE   0.000      -5.400       46.29
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1.000	1.000	62.31	0.000	0.000	Ug5_2_8_L_0					
29 D	12.92	-7.4907E-03	66.67	16.60	66.67	30.15	ACTIVE	0.000	-5.600	48.00
1.000	1.000	64.60	0.000	0.000	Ug5_2_8_L_0					
30 D	13.38	-7.1185E-03	68.95	17.17	68.95	31.15	ACTIVE	0.000	-5.800	49.71
1.000	1.000	66.88	0.000	0.000	Ug5_2_8_L_0					
31 D	13.83	-6.7550E-03	71.27	17.75	71.27	32.15	ACTIVE	0.000	-6.000	51.43
1.000	1.000	69.17	0.000	0.000	Ug5_2_8_L_0					
32 D	14.29	-6.4008E-03	73.59	18.32	73.59	33.15	ACTIVE	0.000	-6.200	53.14
1.000	1.000	71.47	0.000	0.000	Ug5_2_8_L_0					
33 D	14.75	-6.0561E-03	75.87	18.89	75.87	34.15	ACTIVE	0.000	-6.400	54.86
1.000	1.000	73.75	0.000	0.000	Ug5_2_8_L_0					
34 D	15.21	-5.7215E-03	78.19	19.47	78.19	35.15	ACTIVE	0.000	-6.600	56.57
1.000	1.000	76.04	0.000	0.000	Ug5_2_8_L_0					
35 D	15.67	-5.3970E-03	80.51	20.05	80.51	36.15	ACTIVE	0.000	-6.800	58.29
1.000	1.000	78.33	0.000	0.000	Ug5_2_8_L_0					
36 D	16.12	-5.0830E-03	82.82	20.62	82.82	37.16	ACTIVE	0.000	-7.000	60.00
1.000	1.000	80.62	0.000	0.000	Ug5_2_8_L_0					
37 D	16.58	-4.7795E-03	85.10	21.19	85.10	38.16	ACTIVE	0.000	-7.200	61.71
1.000	1.000	82.90	0.000	0.000	Ug5_2_8_L_0					
38 D	17.04	-4.4869E-03	87.41	21.76	87.41	39.16	ACTIVE	0.000	-7.400	63.43
1.000	1.000	85.19	0.000	0.000	Ug5_2_8_L_0					
39 D	17.50	-4.2050E-03	89.72	22.34	89.72	40.17	ACTIVE	0.000	-7.600	65.14
1.000	1.000	87.48	0.000	0.000	Ug5_2_8_L_0					
40 D	17.95	-3.9341E-03	92.00	22.91	92.00	41.17	ACTIVE	0.000	-7.800	66.86
1.000	1.000	89.76	0.000	0.000	Ug5_2_8_L_0					
41 D	18.41	-3.6740E-03	94.31	23.48	94.31	42.18	ACTIVE	0.000	-8.000	68.57
1.000	1.000	92.05	0.000	0.000	Ug5_2_8_L_0					
42 D	18.87	-3.4248E-03	96.62	24.06	96.62	43.19	ACTIVE	0.000	-8.200	70.29
1.000	1.000	94.34	0.000	0.000	Ug5_2_8_L_0					
43 D	19.32	-3.1864E-03	98.89	24.62	98.89	44.19	ACTIVE	0.000	-8.400	72.00
1.000	1.000	96.62	0.000	0.000	Ug5_2_8_L_0					
44 D	19.78	-2.9588E-03	101.2	25.20	101.2	45.20	ACTIVE	0.000	-8.600	73.71
1.000	1.000	98.91	0.000	0.000	Ug5_2_8_L_0					
45 D	20.24	-2.7418E-03	103.5	25.77	103.5	46.21	ACTIVE	0.000	-8.800	75.43
1.000	1.000	101.2	0.000	0.000	Ug5_2_8_L_0					
46 D	20.70	-2.5354E-03	105.8	26.35	105.8	47.22	ACTIVE	0.000	-9.000	77.14
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0					
47 D	21.15	-2.3392E-03	108.1	26.92	108.1	48.23	UL-RL	5.6410E+04	-9.200	78.86
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0					
48 D	21.61	-2.1533E-03	110.4	27.49	110.4	49.24	UL-RL	5.6410E+04	-9.400	80.57
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0					
49 D	22.07	-1.9772E-03	112.7	28.07	112.7	50.26	UL-RL	5.6410E+04	-9.600	82.29
1.000	1.000	110.4	0.000	0.000	Ug5_2_8_L_0					
50 D	22.53	-1.8109E-03	115.0	28.64	115.0	51.27	UL-RL	5.6410E+04	-9.800	84.00
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0					
51 D	22.99	-1.6540E-03	117.3	29.22	117.3	52.28	UL-RL	5.6410E+04	-10.00	85.71
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0					
52 D	23.44	-1.5064E-03	119.6	29.79	119.6	53.29	UL-RL	5.6410E+04	-10.20	87.43
1.000	1.000	117.2	0.000	0.000	Ug5_2_8_L_0					
53 D	23.90	-1.3676E-03	121.9	30.36	121.9	54.31	UL-RL	5.6410E+04	-10.40	89.14
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0					
54 D	24.36	-1.2375E-03	124.2	30.94	124.2	55.32	UL-RL	5.6410E+04	-10.60	90.86
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0					
55 D	24.82	-1.1156E-03	126.5	31.52	126.5	56.34	UL-RL	5.6410E+04	-10.80	92.57
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0					
56 D	25.28	-1.0016E-03	128.8	32.09	128.8	57.35	UL-RL	5.6410E+04	-11.00	94.29
1.000	1.000	126.4	0.000	0.000	Ug5_2_8_L_0					
57 D	25.73	-8.9527E-04	131.0	32.66	131.0	58.37	UL-RL	5.6410E+04	-11.20	96.00
1.000	1.000	128.7	0.000	0.000	Ug5_2_8_L_0					
58 D	26.19	-7.9608E-04	133.3	33.24	133.3	59.39	UL-RL	5.6410E+04	-11.40	97.71
1.000	1.000	131.0	0.000	0.000	Ug5_2_8_L_0					
59 D	26.65	-7.0370E-04	135.6	33.82	135.6	60.40	UL-RL	5.6410E+04	-11.60	99.43
1.000	1.000	133.2	0.000	0.000	Ug5_2_8_L_0					
60 D	27.11	-6.1770E-04	137.9	34.39	137.9	61.42	UL-RL	5.6410E+04	-11.80	101.1
1.000	1.000	135.5	0.000	0.000	Ug5_2_8_L_0					
61 D	27.56	-5.3766E-04	140.2	34.97	140.2	62.44	UL-RL	5.6410E+04	-12.00	102.9
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0					
62 D	31.77	-4.6313E-04	142.3	54.26	142.3	63.42	UL-RL	2.7006E+04	-12.20	104.6
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0					
63 D	32.68	-3.9366E-04	144.4	57.14	144.4	64.53	UL-RL	2.7006E+04	-12.40	106.3
1.000	1.000	163.4	0.000	0.000	Ug6_741_743_L_0					
64 D	33.57	-3.2878E-04	146.5	59.87	146.5	65.58	UL-RL	2.7006E+04	-12.60	108.0
1.000	1.000	167.9	0.000	0.000	Ug6_741_743_L_0					
65 D	34.44	-2.6805E-04	148.6	62.49	148.6	66.59	UL-RL	2.7006E+04	-12.80	109.7
1.000	1.000	172.2	0.000	0.000	Ug6_741_743_L_0					
66 D	35.28	-2.1104E-04	150.6	64.99	150.6	67.57	UL-RL	2.7006E+04	-13.00	111.4
1.000	1.000	176.4	0.000	0.000	Ug6_741_743_L_0					
67 D	36.11	-1.5732E-04	152.7	67.40	152.7	68.52	UL-RL	2.7006E+04	-13.20	113.1
1.000	1.000	180.5	0.000	0.000	Ug6_741_743_L_0					
68 D	36.81	-1.0651E-04	154.7	69.17	154.7	69.72	UL-RL	2.7006E+04	-13.40	114.9
1.000	1.000	184.0	0.000	0.000	Ug6_741_743_L_0					

69 D	37.46	-5.8229E-05	156.8	70.71	156.8	70.98	UL-RL	2.7006E+04	-13.60	116.6	
1.000	1.000	187.3	0.000	0.000	Ug6_741_743_L_0						
70 D	38.07	-1.2114E-05	158.8	72.05	158.8	72.29	UL-RL	2.7006E+04	-13.80	118.3	
1.000	1.000	190.3	0.000	0.000	Ug6_741_743_L_0						
71 D	38.67	3.2162E-05	160.9	73.35	160.9	73.58	UL-RL	2.7006E+04	-14.00	120.0	
1.000	1.000	193.4	0.000	0.000	Ug6_741_743_L_0						
72 D	39.27	7.4906E-05	162.9	74.64	162.9	74.84	UL-RL	2.7006E+04	-14.20	121.7	
1.000	1.000	196.4	0.000	0.000	Ug6_741_743_L_0						
73 D	39.87	1.1640E-04	165.0	75.91	165.0	76.09	UL-RL	2.7006E+04	-14.40	123.4	
1.000	1.000	199.3	0.000	0.000	Ug6_741_743_L_0						
74 D	40.46	1.5689E-04	167.1	77.17	167.1	77.33	UL-RL	2.7006E+04	-14.60	125.1	
1.000	1.000	202.3	0.000	0.000	Ug6_741_743_L_0						
75 D	41.05	1.9662E-04	169.1	78.41	169.1	78.56	UL-RL	2.7006E+04	-14.80	126.9	
1.000	1.000	205.3	0.000	0.000	Ug6_741_743_L_0						
76 D	41.65	2.3577E-04	171.2	79.65	171.2	79.78	UL-RL	2.7006E+04	-15.00	128.6	
1.000	1.000	208.2	0.000	0.000	Ug6_741_743_L_0						
77 D	42.24	2.7452E-04	173.2	80.89	173.2	80.99	UL-RL	2.7006E+04	-15.20	130.3	
1.000	1.000	211.2	0.000	0.000	Ug6_741_743_L_0						
78 D	42.84	3.1300E-04	175.3	82.18	175.3	82.26	UL-RL	2.7006E+04	-15.40	132.0	
1.000	1.000	214.2	0.000	0.000	Ug6_741_743_L_0						
79 D	43.44	3.5134E-04	177.4	83.47	177.4	83.53	UL-RL	2.7006E+04	-15.60	133.7	
1.000	1.000	217.2	0.000	0.000	Ug6_741_743_L_0						
80 D	44.04	3.8961E-04	179.4	84.76	179.4	84.80	UL-RL	2.7006E+04	-15.80	135.4	
1.000	1.000	220.2	0.000	0.000	Ug6_741_743_L_0						
81 D	22.32	4.2786E-04	181.5	86.05	181.5	86.06	UL-RL	2.7006E+04	-16.00	137.1	
1.000	1.000	223.2	0.000	0.000	Ug6_741_743_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                              |
 |                                 Exe Time :24 May 2018       18:25:49                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      1.0718E-02   0.000       0.000       40.00       60.41       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.767      1.0296E-02   1.714       11.55       42.00       65.98       PASSIVE   0.000       -4.200       2.286
1.000       1.000       13.84       0.000       0.000     Ug5_2_8_L_0
  23 D   5.535      9.8781E-03   3.429       23.10       44.00       64.48       PASSIVE   0.000       -4.400       4.571
1.000       1.000       27.67       0.000       0.000     Ug5_2_8_L_0
  24 D   8.302      9.4650E-03   5.143       34.65       46.00       63.03       PASSIVE   0.000       -4.600       6.857
1.000       1.000       41.51       0.000       0.000     Ug5_2_8_L_0
  25 D   11.07      9.0571E-03   6.857       46.20       48.00       61.64       PASSIVE   0.000       -4.800       9.143
1.000       1.000       55.35       0.000       0.000     Ug5_2_8_L_0
  26 D   13.84      8.6551E-03   8.571       57.75       50.00       60.31       PASSIVE   0.000       -5.000       11.43
1.000       1.000       69.18       0.000       0.000     Ug5_2_8_L_0
  27 D   16.60      8.2596E-03   10.29       69.31       52.00       69.31       PASSIVE   0.000       -5.200       13.71
1.000       1.000       83.02       0.000       0.000     Ug5_2_8_L_0
  28 D   19.37      7.8713E-03   12.00       80.86       54.00       80.86       PASSIVE   0.000       -5.400       16.00
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1.000	1.000	96.86	0.000	0.000	Ug5_2_8_L_0						
29 D	22.14	7.4907E-03	13.71	92.41	56.00	92.41	PASSIVE	0.000	-5.600	18.29	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
30 D	24.41	7.1185E-03	15.43	101.5	58.00	101.5	V-C	9348.	-5.800	20.57	
1.000	1.000	122.0	0.000	0.000	Ug5_2_8_L_0						
31 D	24.25	6.7550E-03	17.14	98.41	60.00	98.41	V-C	9348.	-6.000	22.86	
1.000	1.000	121.3	0.000	0.000	Ug5_2_8_L_0						
32 D	24.12	6.4008E-03	18.86	95.46	62.00	95.46	V-C	9348.	-6.200	25.14	
1.000	1.000	120.6	0.000	0.000	Ug5_2_8_L_0						
33 D	24.01	6.0561E-03	20.57	92.62	64.00	92.62	V-C	9348.	-6.400	27.43	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
34 D	23.92	5.7215E-03	22.29	89.91	66.00	89.91	V-C	9348.	-6.600	29.71	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
35 D	23.86	5.3970E-03	24.00	87.32	68.00	87.32	V-C	9348.	-6.800	32.00	
1.000	1.000	119.3	0.000	0.000	Ug5_2_8_L_0						
36 D	23.83	5.0830E-03	25.71	84.85	70.00	84.85	V-C	9348.	-7.000	34.29	
1.000	1.000	119.1	0.000	0.000	Ug5_2_8_L_0						
37 D	23.82	4.7795E-03	27.43	82.52	72.00	82.52	V-C	9348.	-7.200	36.57	
1.000	1.000	119.1	0.000	0.000	Ug5_2_8_L_0						
38 D	23.83	4.4869E-03	29.14	80.31	74.00	80.31	V-C	9348.	-7.400	38.86	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
39 D	23.88	4.2050E-03	30.86	78.24	76.00	78.24	V-C	9348.	-7.600	41.14	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
40 D	23.94	3.9341E-03	32.57	76.29	78.00	76.29	V-C	9348.	-7.800	43.43	
1.000	1.000	119.7	0.000	0.000	Ug5_2_8_L_0						
41 D	24.04	3.6740E-03	34.29	74.47	80.00	74.47	V-C	9348.	-8.000	45.71	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
42 D	24.16	3.4248E-03	36.00	72.78	82.00	72.78	V-C	9348.	-8.200	48.00	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
43 D	24.30	3.1864E-03	37.71	71.22	84.00	71.22	V-C	9348.	-8.400	50.29	
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
44 D	24.47	2.9588E-03	39.43	69.78	86.00	69.78	V-C	9348.	-8.600	52.57	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
45 D	24.67	2.7418E-03	41.14	68.47	88.00	68.47	V-C	9348.	-8.800	54.86	
1.000	1.000	123.3	0.000	0.000	Ug5_2_8_L_0						
46 D	24.88	2.5354E-03	42.86	67.28	90.00	67.28	V-C	9348.	-9.000	57.14	
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0						
47 D	25.13	2.3392E-03	44.57	66.20	92.00	66.21	UL-RL	2.8045E+04	-9.200	59.43	
1.000	1.000	125.6	0.000	0.000	Ug5_2_8_L_0						
48 D	25.39	2.1533E-03	46.29	65.25	94.00	65.25	UL-RL	2.8045E+04	-9.400	61.71	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
49 D	25.68	1.9772E-03	48.00	64.40	96.00	64.41	UL-RL	2.8045E+04	-9.600	64.00	
1.000	1.000	128.4	0.000	0.000	Ug5_2_8_L_0						
50 D	25.99	1.8109E-03	49.71	63.67	98.00	63.68	UL-RL	2.8045E+04	-9.800	66.29	
1.000	1.000	130.0	0.000	0.000	Ug5_2_8_L_0						
51 D	26.32	1.6540E-03	51.43	63.04	100.00	63.05	UL-RL	2.8045E+04	-10.00	68.57	
1.000	1.000	131.6	0.000	0.000	Ug5_2_8_L_0						
52 D	26.68	1.5064E-03	53.14	62.52	102.0	62.53	UL-RL	2.8045E+04	-10.20	70.86	
1.000	1.000	133.4	0.000	0.000	Ug5_2_8_L_0						
53 D	27.05	1.3676E-03	54.86	62.10	104.0	62.11	UL-RL	2.8045E+04	-10.40	73.14	
1.000	1.000	135.2	0.000	0.000	Ug5_2_8_L_0						
54 D	27.44	1.2375E-03	56.57	61.77	106.0	61.78	UL-RL	2.8045E+04	-10.60	75.43	
1.000	1.000	137.2	0.000	0.000	Ug5_2_8_L_0						
55 D	27.85	1.1156E-03	58.29	61.53	108.0	61.55	UL-RL	2.8045E+04	-10.80	77.71	
1.000	1.000	139.2	0.000	0.000	Ug5_2_8_L_0						
56 D	28.28	1.0016E-03	60.00	61.38	110.0	61.40	UL-RL	2.8045E+04	-11.00	80.00	
1.000	1.000	141.4	0.000	0.000	Ug5_2_8_L_0						
57 D	28.72	8.9527E-04	61.71	61.32	112.0	61.33	UL-RL	2.8045E+04	-11.20	82.29	
1.000	1.000	143.6	0.000	0.000	Ug5_2_8_L_0						
58 D	29.18	7.9608E-04	63.43	61.33	114.0	61.35	UL-RL	2.8045E+04	-11.40	84.57	
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0						
59 D	29.65	7.0370E-04	65.14	61.41	116.0	61.43	UL-RL	2.8045E+04	-11.60	86.86	
1.000	1.000	148.3	0.000	0.000	Ug5_2_8_L_0						
60 D	30.14	6.1770E-04	66.86	61.56	118.0	61.59	UL-RL	2.8045E+04	-11.80	89.14	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
61 D	30.64	5.3766E-04	68.57	61.78	120.0	61.81	UL-RL	2.8045E+04	-12.00	91.43	
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0						
62 D	30.55	4.6313E-04	70.09	59.06	121.8	61.39	UL-RL	2.1089E+04	-12.20	93.71	
1.000	1.000	152.8	0.000	0.000	Ug6_741_743_L_0						
63 D	30.89	3.9366E-04	71.60	58.44	123.6	62.28	UL-RL	2.1089E+04	-12.40	96.00	
1.000	1.000	154.4	0.000	0.000	Ug6_741_743_L_0						
64 D	31.24	3.2878E-04	73.11	57.94	125.4	63.16	UL-RL	2.1089E+04	-12.60	98.29	
1.000	1.000	156.2	0.000	0.000	Ug6_741_743_L_0						
65 D	31.62	2.6805E-04	74.63	57.53	127.2	64.05	UL-RL	2.1089E+04	-12.80	100.6	
1.000	1.000	158.1	0.000	0.000	Ug6_741_743_L_0						
66 D	32.01	2.1104E-04	76.14	57.20	129.0	64.94	UL-RL	2.1089E+04	-13.00	102.9	
1.000	1.000	160.1	0.000	0.000	Ug6_741_743_L_0						
67 D	32.42	1.5732E-04	77.66	56.95	130.8	65.83	UL-RL	2.1089E+04	-13.20	105.1	
1.000	1.000	162.1	0.000	0.000	Ug6_741_743_L_0						
68 D	32.84	1.0651E-04	79.17	56.77	132.6	66.72	UL-RL	2.1089E+04	-13.40	107.4	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						

69 D	33.27	5.8229E-05	80.69	56.64	134.4	67.60	UL-RL	2.1089E+04	-13.60	109.7
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0					
70 D	33.71	1.2114E-05	82.20	56.56	136.2	68.49	UL-RL	2.1089E+04	-13.80	112.0
1.000	1.000	168.6	0.000	0.000	Ug6_741_743_L_0					
71 D	34.16	-3.2162E-05	83.71	56.52	138.0	69.38	UL-RL	2.1089E+04	-14.00	114.3
1.000	1.000	170.8	0.000	0.000	Ug6_741_743_L_0					
72 D	34.62	-7.4906E-05	85.23	56.51	139.8	70.27	UL-RL	2.1089E+04	-14.20	116.6
1.000	1.000	173.1	0.000	0.000	Ug6_741_743_L_0					
73 D	35.08	-1.1640E-04	86.74	56.54	141.6	71.16	UL-RL	2.1089E+04	-14.40	118.9
1.000	1.000	175.4	0.000	0.000	Ug6_741_743_L_0					
74 D	35.54	-1.5689E-04	88.26	56.58	143.4	72.05	UL-RL	2.1089E+04	-14.60	121.1
1.000	1.000	177.7	0.000	0.000	Ug6_741_743_L_0					
75 D	36.01	-1.9662E-04	89.77	56.64	145.2	72.94	UL-RL	2.1089E+04	-14.80	123.4
1.000	1.000	180.1	0.000	0.000	Ug6_741_743_L_0					
76 D	36.49	-2.3577E-04	91.29	56.71	147.0	73.84	UL-RL	2.1089E+04	-15.00	125.7
1.000	1.000	182.4	0.000	0.000	Ug6_741_743_L_0					
77 D	36.96	-2.7452E-04	92.80	56.80	148.8	74.73	UL-RL	2.1089E+04	-15.20	128.0
1.000	1.000	184.8	0.000	0.000	Ug6_741_743_L_0					
78 D	37.43	-3.1300E-04	94.31	56.88	150.6	75.62	UL-RL	2.1089E+04	-15.40	130.3
1.000	1.000	187.2	0.000	0.000	Ug6_741_743_L_0					
79 D	37.91	-3.5134E-04	95.83	56.97	152.4	76.51	UL-RL	2.1089E+04	-15.60	132.6
1.000	1.000	189.5	0.000	0.000	Ug6_741_743_L_0					
80 D	38.38	-3.8961E-04	97.34	57.06	154.2	77.40	UL-RL	2.1089E+04	-15.80	134.9
1.000	1.000	191.9	0.000	0.000	Ug6_741_743_L_0					
81 D	19.43	-4.2786E-04	98.86	57.16	156.0	78.29	UL-RL	2.1089E+04	-16.00	137.1
1.000	1.000	194.3	0.000	0.000	Ug6_741_743_L_0					

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                   :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-4.81261E-09 4.81261E-09-4.83055E-10 6.83633E-12
    2 0.45709    -0.45709    -1.60067E-10 9.14178E-02
    3  1.3733     -1.3733    -9.14178E-02 0.36608
    4  2.7512     -2.7512    -0.36608     0.91632
    5  4.5928     -4.5928    -0.91632      1.8349
    6  6.8988     -6.8988     -1.8349      3.2146
    7  9.6693     -9.6693     -3.2146      5.1485
    8  12.910     -12.910     -5.1485      7.7304
    9  16.622     -16.622     -7.7304      11.055
   10  20.795     -20.795     -11.055      15.214
   11  25.436     -25.436     -15.214      20.301
   12  30.542     -30.542     -20.301      26.409
   13  36.108     -36.108     -26.409      33.631
   14  42.137     -42.137     -33.631      42.058
   15  48.629     -48.629     -42.058      51.784
   16  55.584     -55.584     -51.784      62.901
   17  62.996     -62.996     -62.901      75.500
   18  70.869     -70.869     -75.500      89.674
   19  79.204     -79.204     -89.674      105.51
   20  87.995     -87.995     -105.51      123.11
   21  97.246     -97.246     -123.11      142.56
   22  104.19     -104.19     -142.56      163.40
   23  108.82     -108.82     -163.40      185.17
   24  111.15     -111.15     -185.17      207.40
   25  111.17     -111.17     -207.40      229.63
   26  108.88     -108.88     -229.63      251.40
   27  104.27     -104.27     -251.40      272.26
   28  97.365     -97.365     -272.26      291.73
   29  88.146     -88.146     -291.73      309.36
   30  77.114     -77.114     -309.36      324.78
   31  66.697     -66.697     -324.78      338.12
   32  56.871     -56.871     -338.12      349.50
   33  47.610     -47.610     -349.50      359.02
   34  38.894     -38.894     -359.02      366.80
   35  30.697     -30.697     -366.80      372.94
   36  22.993     -22.993     -372.94      377.54
   37  15.756     -15.756     -377.54      380.69
   38  8.9605     -8.9605     -380.69      382.48
   39  2.5816     -2.5816     -382.48      383.00
   40 -3.4089      3.4089     -383.00      382.31
   41 -9.0350      9.0350     -382.31      380.51
   42 -14.322      14.322     -380.51      377.64
   43 -19.298      19.298     -377.64      373.78
   44 -23.986      23.986     -373.78      368.99
   45 -28.411      28.411     -368.99      363.30
   46 -32.597      32.597     -363.30      356.78
   47 -36.570      36.570     -356.78      349.47
   48 -40.350      40.350     -349.47      341.40
   49 -43.962      43.962     -341.40      332.61
   50 -47.429      47.429     -332.61      323.12
   51 -50.770      50.770     -323.12      312.97
   52 -54.006      54.006     -312.97      302.17
   53 -57.159      57.159     -302.17      290.74
   54 -60.246      60.246     -290.74      278.69
   55 -63.285      63.285     -278.69      266.03
   56 -66.295      66.295     -266.03      252.77
   57 -69.292      69.292     -252.77      238.91
   58 -72.291      72.291     -238.91      224.45
   59 -75.308      75.308     -224.45      209.39
```

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   60 -78.356      78.356     -209.39      193.72
   61 -81.448      81.448     -193.72      177.43
   62 -80.236      80.236     -177.43      161.38
   63 -78.440      78.440     -161.38      145.70
   64 -76.110      76.110     -145.70      130.47
   65 -73.289      73.289     -130.47      115.82
   66 -70.015      70.015     -115.82      101.81
   67 -66.324      66.324     -101.81      88.548
   68 -62.357      62.357     -88.548      76.077
   69 -58.171      58.171     -76.077      64.443
   70 -53.816      53.816     -64.443      53.679
   71 -49.307      49.307     -53.679      43.818
   72 -44.653      44.653     -43.818      34.888
   73 -39.864      39.864     -34.888      26.915
   74 -34.947      34.947     -26.915      19.925
   75 -29.907      29.907     -19.925      13.944
   76 -24.748      24.748     -13.944      8.9943
   77 -19.472      19.472     -8.9943      5.1000
   78 -14.069      14.069     -5.1000      2.2862
   79 -8.5417      8.5417     -2.2862     0.57781
   80 -2.8889      2.8889    -0.57781     9.05243E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 440.5     REMNOR=0.1549E-17 RATIO =0.2689E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2689E-01 RATIOR= 0.000
           MAX UN= 7.064     IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.8312E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 126.0     REMNOR=0.1559E-17 RATIO =0.1438E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.1438E-01 RATIOR= 0.000
           MAX UN= 2.378     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           MIN UN=-.4778E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 461.4     REMNOR=0.1752E-17 RATIO =0.2752E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2752E-01 RATIOR= 0.000
           MAX UN= 21.36     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5779     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM= 2.925     REMNOR=0.3190E-17 RATIO =0.2191E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.2191E-02 RATIOR= 0.000
           MAX UN= 1.185     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.8780     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6092E+06 RIMNOR=0.8227E+07
           RENORM=0.7400E-02 REMNOR=0.2724E-17 RATIO =0.1102E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 111.2     RMMAX = 383.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.6092E+06 RDR   =0.8227E+07
           RATIOT=0.1102E-03 RATIOR= 0.000
           MAX UN=0.6220E-01 IEQ=   127 NODE     64 DOF   1  Y-DISPL.F
           MIN UN=-.9613E-08 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.6092E+06 RIMNOR=0.8227E+07
            RENORM=0.5120E-04 REMNOR=0.3272E-17 RATIO =0.9167E-05 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 111.2      RMMAX = 383.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.6092E+06 RDR   =0.8227E+07
            RATIOT=0.9167E-05 RATIOR= 0.000
            MAX UN=0.9793E-08 IEQ=    45 NODE     23 DOF   1  Y-DISPL.F
            MIN UN=-.2648E-02 IEQ=   139 NODE     70 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0075695E-02  -3.1648037E-03
    2   2.9442734E-02  -3.1648037E-03
    3   2.8809774E-02  -3.1647973E-03
    4   2.8176817E-02  -3.1647652E-03
    5   2.7543871E-02  -3.1646752E-03
    6   2.6910953E-02  -3.1644820E-03
    7   2.6278089E-02  -3.1641275E-03
    8   2.5645318E-02  -3.1635404E-03
    9   2.5012694E-02  -3.1626362E-03
   10   2.4380291E-02  -3.1613173E-03
   11   2.3748202E-02  -3.1594730E-03
   12   2.3116545E-02  -3.1569795E-03
   13   2.2485463E-02  -3.1537000E-03
   14   2.1855128E-02  -3.1494845E-03
   15   2.1225742E-02  -3.1441702E-03
   16   2.0597545E-02  -3.1375813E-03
   17   1.9970804E-02  -3.1295289E-03
   18   1.9345841E-02  -3.1198113E-03
   19   1.8723005E-02  -3.1082139E-03
   20   1.8102696E-02  -3.0945090E-03
   21   1.7485361E-02  -3.0784563E-03
   22   1.6871490E-02  -3.0598021E-03
   23   1.6261631E-02  -3.0382804E-03
   24   1.5656387E-02  -3.0136120E-03
   25   1.5056415E-02  -2.9855242E-03
   26   1.4462421E-02  -2.9537894E-03
   27   1.3875156E-02  -2.9182450E-03
   28   1.3295386E-02  -2.8787921E-03
   29   1.2723902E-02  -2.8353972E-03
   30   1.2161488E-02  -2.7880909E-03
   31   1.1608920E-02  -2.7369685E-03
   32   1.1066947E-02  -2.6821902E-03
   33   1.0536275E-02  -2.6239799E-03
   34   1.0017565E-02  -2.5626268E-03
   35   9.5114104E-03  -2.4984846E-03
   36   9.0183307E-03  -2.4319463E-03
   37   8.5387681E-03  -2.3634014E-03
   38   8.0730819E-03  -2.2932170E-03
   39   7.6215674E-03  -2.2217402E-03
   40   7.1844501E-03  -2.1492981E-03
   41   6.7618920E-03  -2.0761988E-03
   42   6.3539951E-03  -2.0027322E-03
   43   5.9608054E-03  -1.9291713E-03
   44   5.5823158E-03  -1.8557726E-03
   45   5.2184712E-03  -1.7827778E-03
   46   4.8691645E-03  -1.7104130E-03
   47   4.5342498E-03  -1.6388917E-03
   48   4.2135381E-03  -1.5684146E-03
   49   3.9068017E-03  -1.4991704E-03
   50   3.6137774E-03  -1.4313371E-03
   51   3.3341632E-03  -1.3650817E-03
   52   3.0676225E-03  -1.3005611E-03
   53   2.8138185E-03  -1.2379315E-03
   54   2.5723277E-03  -1.1773267E-03
   55   2.3427437E-03  -1.1188847E-03
   56   2.1246210E-03  -1.0627340E-03
   57   1.9174891E-03  -1.0089973E-03
   58   1.7208534E-03  -9.5779218E-04
   59   1.5341959E-03  -9.0923199E-04
   60   1.3569769E-03  -8.6342611E-04
   61   1.1886348E-03  -8.2048062E-04
   62   1.0285871E-03  -7.8049874E-04
   63   8.7623421E-04  -7.4353333E-04
```

64	7.3097249E-04	-7.0958722E-04
65	5.9219799E-04	-6.7866115E-04
66	4.5930764E-04	-6.5074104E-04
67	3.3170408E-04	-6.2578340E-04
68	2.0880169E-04	-6.0371448E-04
69	9.0032444E-05	-5.8443316E-04
70	-2.5149062E-05	-5.6781424E-04
71	-1.3726103E-04	-5.5371205E-04
72	-2.4679087E-04	-5.4196473E-04
73	-3.5419218E-04	-5.3239623E-04
74	-4.5988196E-04	-5.2481672E-04
75	-5.6423792E-04	-5.1902297E-04
76	-6.6759578E-04	-5.1479858E-04
77	-7.7024668E-04	-5.1191417E-04
78	-8.7243463E-04	-5.1012760E-04
79	-9.7435391E-04	-5.0918384E-04
80	-1.0761465E-03	-5.0881488E-04
81	-1.1779045E-03	-5.0873979E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                              |
 |                                 Exe Time :24 May 2018       18:25:49                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0076E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4508     -2.9443E-02   2.335      0.5815       2.335       1.603          ACTIVE   0.000     -0.2000       1.673
1.000       1.000       2.254       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9037     -2.8810E-02   4.711       1.173       4.711       3.119          ACTIVE   0.000     -0.4000       3.345
1.000       1.000       4.519       0.000       0.000     Ug5_2_8_L_0
   4 D   1.359     -2.8177E-02   7.140       1.778       7.140       4.509          ACTIVE   0.000     -0.6000       5.018
1.000       1.000       6.796       0.000       0.000     Ug5_2_8_L_0
   5 D   1.817     -2.7544E-02   9.606       2.392       9.606       5.780          ACTIVE   0.000     -0.8000       6.691
1.000       1.000       9.083       0.000       0.000     Ug5_2_8_L_0
   6 D   2.275     -2.6911E-02   12.09       3.010       12.09       6.958          ACTIVE   0.000      -1.000       8.364
1.000       1.000       11.37       0.000       0.000     Ug5_2_8_L_0
   7 D   2.733     -2.6278E-02   14.57       3.629       14.57       8.073          ACTIVE   0.000      -1.200       10.04
1.000       1.000       13.67       0.000       0.000     Ug5_2_8_L_0
   8 D   3.197     -2.5645E-02   17.17       4.274       17.17       9.145          ACTIVE   0.000      -1.400       11.71
1.000       1.000       15.98       0.000       0.000     Ug5_2_8_L_0
   9 D   3.662     -2.5013E-02   19.79       4.929       19.79       10.19          ACTIVE   0.000      -1.600       13.38
1.000       1.000       18.31       0.000       0.000     Ug5_2_8_L_0
  10 D   4.117     -2.4380E-02   22.21       5.530       22.21       11.22          ACTIVE   0.000      -1.800       15.05
1.000       1.000       20.58       0.000       0.000     Ug5_2_8_L_0
  11 D   4.578     -2.3748E-02   24.76       6.165       24.76       12.23          ACTIVE   0.000      -2.000       16.73
1.000       1.000       22.89       0.000       0.000     Ug5_2_8_L_0
  12 D   5.038     -2.3117E-02   27.27       6.790       27.27       13.24          ACTIVE   0.000      -2.200       18.40
1.000       1.000       25.19       0.000       0.000     Ug5_2_8_L_0
  13 D   5.490     -2.2485E-02   29.64       7.380       29.64       14.24          ACTIVE   0.000      -2.400       20.07
1.000       1.000       27.45       0.000       0.000     Ug5_2_8_L_0
  14 D   5.948     -2.1855E-02   32.11       7.996       32.11       15.24          ACTIVE   0.000      -2.600       21.75
1.000       1.000       29.74       0.000       0.000     Ug5_2_8_L_0
  15 D   6.405     -2.1226E-02   34.57       8.607       34.57       16.23          ACTIVE   0.000      -2.800       23.42
1.000       1.000       32.03       0.000       0.000     Ug5_2_8_L_0
  16 D   6.861     -2.0598E-02   37.01       9.215       37.01       17.23          ACTIVE   0.000      -3.000       25.09
1.000       1.000       34.31       0.000       0.000     Ug5_2_8_L_0
  17 D   7.312     -1.9971E-02   39.34       9.797       39.34       18.22          ACTIVE   0.000      -3.200       26.76
1.000       1.000       36.56       0.000       0.000     Ug5_2_8_L_0
  18 D   7.767     -1.9346E-02   41.77       10.40       41.77       19.21          ACTIVE   0.000      -3.400       28.44
1.000       1.000       38.84       0.000       0.000     Ug5_2_8_L_0
  19 D   8.222     -1.8723E-02   44.18       11.00       44.18       20.21          ACTIVE   0.000      -3.600       30.11
1.000       1.000       41.11       0.000       0.000     Ug5_2_8_L_0
  20 D   8.672     -1.8103E-02   46.51       11.58       46.51       21.20          ACTIVE   0.000      -3.800       31.78
1.000       1.000       43.36       0.000       0.000     Ug5_2_8_L_0
  21 D   9.127     -1.7485E-02   48.91       12.18       48.91       22.19          ACTIVE   0.000      -4.000       33.45
1.000       1.000       45.63       0.000       0.000     Ug5_2_8_L_0
  22 D   9.580     -1.6871E-02   51.30       12.77       51.30       23.18          ACTIVE   0.000      -4.200       35.13
1.000       1.000       47.90       0.000       0.000     Ug5_2_8_L_0
  23 D   10.03     -1.6262E-02   53.63       13.35       53.63       24.18          ACTIVE   0.000      -4.400       36.80
1.000       1.000       50.15       0.000       0.000     Ug5_2_8_L_0
  24 D   10.48     -1.5656E-02   56.01       13.95       56.01       25.17          ACTIVE   0.000      -4.600       38.47
1.000       1.000       52.42       0.000       0.000     Ug5_2_8_L_0
  25 D   10.94     -1.5056E-02   58.39       14.54       58.39       26.17          ACTIVE   0.000      -4.800       40.15
1.000       1.000       54.69       0.000       0.000     Ug5_2_8_L_0
  26 D   11.39     -1.4462E-02   60.77       15.13       60.77       27.16          ACTIVE   0.000      -5.000       41.82
1.000       1.000       56.95       0.000       0.000     Ug5_2_8_L_0
  27 D   11.84     -1.3875E-02   63.09       15.71       63.09       28.16          ACTIVE   0.000      -5.200       43.49
1.000       1.000       59.20       0.000       0.000     Ug5_2_8_L_0
  28 D   12.29     -1.3295E-02   65.46       16.30       65.46       29.16          ACTIVE   0.000      -5.400       45.16
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1.000	1.000	61.46	0.000	0.000	Ug5_2_8_L_0						
29 D	12.75	-1.2724E-02	67.83	16.89	67.83	30.15	ACTIVE	0.000	-5.600	46.84	
1.000	1.000	63.73	0.000	0.000	Ug5_2_8_L_0						
30 D	13.20	-1.2161E-02	70.15	17.47	70.15	31.15	ACTIVE	0.000	-5.800	48.51	
1.000	1.000	65.98	0.000	0.000	Ug5_2_8_L_0						
31 D	13.65	-1.1609E-02	72.52	18.06	72.52	32.15	ACTIVE	0.000	-6.000	50.18	
1.000	1.000	68.24	0.000	0.000	Ug5_2_8_L_0						
32 D	14.10	-1.1067E-02	74.88	18.65	74.88	33.15	ACTIVE	0.000	-6.200	51.85	
1.000	1.000	70.50	0.000	0.000	Ug5_2_8_L_0						
33 D	14.55	-1.0536E-02	77.20	19.22	77.20	34.15	ACTIVE	0.000	-6.400	53.53	
1.000	1.000	72.75	0.000	0.000	Ug5_2_8_L_0						
34 D	15.00	-1.0018E-02	79.56	19.81	79.56	35.15	ACTIVE	0.000	-6.600	55.20	
1.000	1.000	75.01	0.000	0.000	Ug5_2_8_L_0						
35 D	15.45	-9.5114E-03	81.92	20.40	81.92	36.15	ACTIVE	0.000	-6.800	56.87	
1.000	1.000	77.27	0.000	0.000	Ug5_2_8_L_0						
36 D	15.91	-9.0183E-03	84.28	20.98	84.28	37.16	ACTIVE	0.000	-7.000	58.55	
1.000	1.000	79.53	0.000	0.000	Ug5_2_8_L_0						
37 D	16.36	-8.5388E-03	86.59	21.56	86.59	38.16	ACTIVE	0.000	-7.200	60.22	
1.000	1.000	81.78	0.000	0.000	Ug5_2_8_L_0						
38 D	16.81	-8.0731E-03	88.95	22.15	88.95	39.16	ACTIVE	0.000	-7.400	61.89	
1.000	1.000	84.04	0.000	0.000	Ug5_2_8_L_0						
39 D	17.26	-7.6216E-03	91.30	22.73	91.30	40.17	ACTIVE	0.000	-7.600	63.56	
1.000	1.000	86.30	0.000	0.000	Ug5_2_8_L_0						
40 D	17.71	-7.1845E-03	93.62	23.31	93.62	41.17	ACTIVE	0.000	-7.800	65.24	
1.000	1.000	88.55	0.000	0.000	Ug5_2_8_L_0						
41 D	18.16	-6.7619E-03	95.97	23.90	95.97	42.18	ACTIVE	0.000	-8.000	66.91	
1.000	1.000	90.81	0.000	0.000	Ug5_2_8_L_0						
42 D	18.61	-6.3540E-03	98.32	24.48	98.32	43.19	ACTIVE	0.000	-8.200	68.58	
1.000	1.000	93.06	0.000	0.000	Ug5_2_8_L_0						
43 D	19.06	-5.9608E-03	100.6	25.06	100.6	44.19	ACTIVE	0.000	-8.400	70.25	
1.000	1.000	95.31	0.000	0.000	Ug5_2_8_L_0						
44 D	19.51	-5.5823E-03	103.0	25.64	103.0	45.20	ACTIVE	0.000	-8.600	71.93	
1.000	1.000	97.57	0.000	0.000	Ug5_2_8_L_0						
45 D	19.97	-5.2185E-03	105.3	26.23	105.3	46.21	ACTIVE	0.000	-8.800	73.60	
1.000	1.000	99.83	0.000	0.000	Ug5_2_8_L_0						
46 D	20.42	-4.8692E-03	107.7	26.81	107.7	47.22	ACTIVE	0.000	-9.000	75.27	
1.000	1.000	102.1	0.000	0.000	Ug5_2_8_L_0						
47 D	20.87	-4.5342E-03	110.0	27.39	110.0	48.23	ACTIVE	0.000	-9.200	76.95	
1.000	1.000	104.3	0.000	0.000	Ug5_2_8_L_0						
48 D	21.32	-4.2135E-03	112.3	27.97	112.3	49.24	ACTIVE	0.000	-9.400	78.62	
1.000	1.000	106.6	0.000	0.000	Ug5_2_8_L_0						
49 D	21.77	-3.9068E-03	114.7	28.56	114.7	50.26	ACTIVE	0.000	-9.600	80.29	
1.000	1.000	108.8	0.000	0.000	Ug5_2_8_L_0						
50 D	22.22	-3.6138E-03	117.0	29.13	117.0	51.27	ACTIVE	0.000	-9.800	81.96	
1.000	1.000	111.1	0.000	0.000	Ug5_2_8_L_0						
51 D	22.67	-3.3342E-03	119.4	29.72	119.4	52.28	ACTIVE	0.000	-10.00	83.64	
1.000	1.000	113.4	0.000	0.000	Ug5_2_8_L_0						
52 D	23.12	-3.0676E-03	121.7	30.30	121.7	53.29	ACTIVE	0.000	-10.20	85.31	
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0						
53 D	23.57	-2.8138E-03	124.0	30.88	124.0	54.31	ACTIVE	0.000	-10.40	86.98	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
54 D	24.02	-2.5723E-03	126.4	31.46	126.4	55.32	ACTIVE	0.000	-10.60	88.65	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
55 D	24.47	-2.3427E-03	128.7	32.05	128.7	56.34	ACTIVE	0.000	-10.80	90.33	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
56 D	24.93	-2.1246E-03	131.0	32.63	131.0	57.35	ACTIVE	0.000	-11.00	92.00	
1.000	1.000	124.6	0.000	0.000	Ug5_2_8_L_0						
57 D	25.38	-1.9175E-03	133.4	33.21	133.4	58.37	ACTIVE	0.000	-11.20	93.67	
1.000	1.000	126.9	0.000	0.000	Ug5_2_8_L_0						
58 D	25.83	-1.7209E-03	135.7	33.79	135.7	59.39	ACTIVE	0.000	-11.40	95.35	
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0						
59 D	26.28	-1.5342E-03	138.0	34.37	138.0	60.40	ACTIVE	0.000	-11.60	97.02	
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0						
60 D	26.73	-1.3570E-03	140.4	34.95	140.4	61.42	ACTIVE	0.000	-11.80	98.69	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
61 D	27.19	-1.1886E-03	142.7	35.57	142.7	62.44	UL-RL	5.0142E+04	-12.00	100.4	
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0						
62 D	30.47	-1.0286E-03	144.8	50.32	144.8	63.42	UL-RL	2.4005E+04	-12.20	102.0	
1.000	1.000	152.4	0.000	0.000	Ug6_741_743_L_0						
63 D	30.98	-8.7623E-04	147.0	51.20	147.0	64.53	UL-RL	2.4005E+04	-12.40	103.7	
1.000	1.000	154.9	0.000	0.000	Ug6_741_743_L_0						
64 D	31.49	-7.3097E-04	149.1	52.08	149.1	65.58	UL-RL	2.4005E+04	-12.60	105.4	
1.000	1.000	157.5	0.000	0.000	Ug6_741_743_L_0						
65 D	32.62	-5.9220E-04	151.2	56.04	151.2	66.59	UL-RL	2.4005E+04	-12.80	107.1	
1.000	1.000	163.1	0.000	0.000	Ug6_741_743_L_0						
66 D	33.82	-4.5931E-04	153.3	60.39	153.3	67.57	UL-RL	2.4005E+04	-13.00	108.7	
1.000	1.000	169.1	0.000	0.000	Ug6_741_743_L_0						
67 D	35.00	-3.3170E-04	155.4	64.59	155.4	68.78	UL-RL	2.4005E+04	-13.20	110.4	
1.000	1.000	175.0	0.000	0.000	Ug6_741_743_L_0						
68 D	36.04	-2.0880E-04	157.5	68.11	157.5	70.56	UL-RL	2.4005E+04	-13.40	112.1	
1.000	1.000	180.2	0.000	0.000	Ug6_741_743_L_0						

69 D	37.02	-9.0032E-05	159.6	71.36	159.6	72.13	UL-RL	2.4005E+04	-13.60	113.7
1.000	1.000	185.1	0.000	0.000	Ug6_741_743_L_0					
70 D	37.84	2.5149E-05	161.7	73.76	161.7	73.78	UL-RL	2.4005E+04	-13.80	115.4
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0					
71 D	38.55	1.3726E-04	163.8	75.64	163.8	75.65	UL-RL	2.4005E+04	-14.00	117.1
1.000	1.000	192.7	0.000	0.000	Ug6_741_743_L_0					
72 D	39.25	2.4679E-04	165.9	77.48	165.9	77.50	UL-RL	2.4005E+04	-14.20	118.8
1.000	1.000	196.2	0.000	0.000	Ug6_741_743_L_0					
73 D	39.95	3.5419E-04	168.0	79.30	168.0	79.31	UL-RL	2.4005E+04	-14.40	120.4
1.000	1.000	199.7	0.000	0.000	Ug6_741_743_L_0					
74 D	40.64	4.5988E-04	170.1	81.10	170.1	81.11	UL-RL	2.4005E+04	-14.60	122.1
1.000	1.000	203.2	0.000	0.000	Ug6_741_743_L_0					
75 D	41.33	5.6424E-04	172.2	82.88	172.2	82.90	UL-RL	2.4005E+04	-14.80	123.8
1.000	1.000	206.7	0.000	0.000	Ug6_741_743_L_0					
76 D	42.02	6.6760E-04	174.3	84.66	174.3	84.67	UL-RL	2.4005E+04	-15.00	125.5
1.000	1.000	210.1	0.000	0.000	Ug6_741_743_L_0					
77 D	42.71	7.7025E-04	176.4	86.43	176.4	86.44	UL-RL	2.4005E+04	-15.20	127.1
1.000	1.000	213.6	0.000	0.000	Ug6_741_743_L_0					
78 D	43.41	8.7243E-04	178.5	88.25	178.5	88.26	UL-RL	2.4005E+04	-15.40	128.8
1.000	1.000	217.0	0.000	0.000	Ug6_741_743_L_0					
79 D	44.11	9.7435E-04	180.6	90.07	180.6	90.08	UL-RL	2.4005E+04	-15.60	130.5
1.000	1.000	220.5	0.000	0.000	Ug6_741_743_L_0					
80 D	44.81	1.0761E-03	182.7	91.88	182.7	91.90	UL-RL	2.4005E+04	-15.80	132.1
1.000	1.000	224.0	0.000	0.000	Ug6_741_743_L_0					
81 D	22.75	1.1779E-03	184.8	93.70	184.8	93.71	UL-RL	2.4005E+04	-16.00	133.8
1.000	1.000	227.5	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.360      1.5656E-02   0.8364      5.635       46.00       63.03       PASSIVE   0.000      -4.600       1.164
1.000       1.000       6.799       0.000       0.000     Ug5_2_8_L_0
  25 D   4.079      1.5056E-02   2.509       16.91       48.00       61.64       PASSIVE   0.000      -4.800       3.491
1.000       1.000       20.40       0.000       0.000     Ug5_2_8_L_0
  26 D   6.799      1.4462E-02   4.182       28.18       50.00       60.31       PASSIVE   0.000      -5.000       5.818
1.000       1.000       34.00       0.000       0.000     Ug5_2_8_L_0
  27 D   9.519      1.3875E-02   5.855       39.45       52.00       69.31       PASSIVE   0.000      -5.200       8.145
1.000       1.000       47.59       0.000       0.000     Ug5_2_8_L_0
  28 D   12.24      1.3295E-02   7.527       50.72       54.00       80.86       PASSIVE   0.000      -5.400       10.47
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1.000	1.000	61.19	0.000	0.000	Ug5_2_8_L_0						
29 D	14.96	1.2724E-02	9.200	61.99	56.00	92.41	PASSIVE	0.000	-5.600	12.80	
1.000	1.000	74.79	0.000	0.000	Ug5_2_8_L_0						
30 D	17.68	1.2161E-02	10.87	73.26	58.00	101.5	PASSIVE	0.000	-5.800	15.13	
1.000	1.000	88.39	0.000	0.000	Ug5_2_8_L_0						
31 D	20.40	1.1609E-02	12.55	84.53	60.00	98.41	PASSIVE	0.000	-6.000	17.45	
1.000	1.000	102.0	0.000	0.000	Ug5_2_8_L_0						
32 D	23.12	1.1067E-02	14.22	95.80	62.00	95.80	PASSIVE	0.000	-6.200	19.78	
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0						
33 D	25.84	1.0536E-02	15.89	107.1	64.00	107.1	PASSIVE	0.000	-6.400	22.11	
1.000	1.000	129.2	0.000	0.000	Ug5_2_8_L_0						
34 D	28.56	1.0018E-02	17.56	118.3	66.00	118.3	PASSIVE	0.000	-6.600	24.44	
1.000	1.000	142.8	0.000	0.000	Ug5_2_8_L_0						
35 D	29.51	9.5114E-03	19.24	120.8	68.00	120.8	V-C	8310.	-6.800	26.76	
1.000	1.000	147.6	0.000	0.000	Ug5_2_8_L_0						
36 D	29.19	9.0183E-03	20.91	116.9	70.00	116.9	V-C	8310.	-7.000	29.09	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
37 D	28.90	8.5388E-03	22.58	113.1	72.00	113.1	V-C	8310.	-7.200	31.42	
1.000	1.000	144.5	0.000	0.000	Ug5_2_8_L_0						
38 D	28.64	8.0731E-03	24.25	109.4	74.00	109.4	V-C	8310.	-7.400	33.75	
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0						
39 D	28.41	7.6216E-03	25.93	106.0	76.00	106.0	V-C	8310.	-7.600	36.07	
1.000	1.000	142.0	0.000	0.000	Ug5_2_8_L_0						
40 D	28.21	7.1845E-03	27.60	102.6	78.00	102.6	V-C	8310.	-7.800	38.40	
1.000	1.000	141.0	0.000	0.000	Ug5_2_8_L_0						
41 D	28.04	6.7619E-03	29.27	99.47	80.00	99.47	V-C	8310.	-8.000	40.73	
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0						
42 D	27.90	6.3540E-03	30.95	96.46	82.00	96.46	V-C	8310.	-8.200	43.05	
1.000	1.000	139.5	0.000	0.000	Ug5_2_8_L_0						
43 D	27.80	5.9608E-03	32.62	93.62	84.00	93.62	V-C	8310.	-8.400	45.38	
1.000	1.000	139.0	0.000	0.000	Ug5_2_8_L_0						
44 D	27.73	5.5823E-03	34.29	90.93	86.00	90.93	V-C	8310.	-8.600	47.71	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
45 D	27.69	5.2185E-03	35.96	88.40	88.00	88.40	V-C	8310.	-8.800	50.04	
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
46 D	27.68	4.8692E-03	37.64	86.02	90.00	86.02	V-C	8310.	-9.000	52.36	
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0						
47 D	27.70	4.5342E-03	39.31	83.79	92.00	83.79	V-C	8310.	-9.200	54.69	
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0						
48 D	27.75	4.2135E-03	40.98	81.72	94.00	81.72	V-C	8310.	-9.400	57.02	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
49 D	27.83	3.9068E-03	42.65	79.79	96.00	79.79	V-C	8310.	-9.600	59.35	
1.000	1.000	139.1	0.000	0.000	Ug5_2_8_L_0						
50 D	27.94	3.6138E-03	44.33	78.01	98.00	78.01	V-C	8310.	-9.800	61.67	
1.000	1.000	139.7	0.000	0.000	Ug5_2_8_L_0						
51 D	28.07	3.3342E-03	46.00	76.36	100.00	76.36	V-C	8310.	-10.00	64.00	
1.000	1.000	140.4	0.000	0.000	Ug5_2_8_L_0						
52 D	28.24	3.0676E-03	47.67	74.85	102.0	74.85	V-C	8310.	-10.20	66.33	
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0						
53 D	28.43	2.8138E-03	49.35	73.47	104.0	73.47	V-C	8310.	-10.40	68.65	
1.000	1.000	142.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.64	2.5723E-03	51.02	72.22	106.0	72.22	V-C	8310.	-10.60	70.98	
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0						
55 D	28.88	2.3427E-03	52.69	71.09	108.0	71.09	V-C	8310.	-10.80	73.31	
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0						
56 D	29.14	2.1246E-03	54.36	70.07	110.0	70.07	V-C	8310.	-11.00	75.64	
1.000	1.000	145.7	0.000	0.000	Ug5_2_8_L_0						
57 D	29.43	1.9175E-03	56.04	69.17	112.0	69.17	V-C	8310.	-11.20	77.96	
1.000	1.000	147.1	0.000	0.000	Ug5_2_8_L_0						
58 D	29.73	1.7209E-03	57.71	68.37	114.0	68.37	V-C	8310.	-11.40	80.29	
1.000	1.000	148.7	0.000	0.000	Ug5_2_8_L_0						
59 D	30.06	1.5342E-03	59.38	67.67	116.0	67.67	V-C	8310.	-11.60	82.62	
1.000	1.000	150.3	0.000	0.000	Ug5_2_8_L_0						
60 D	30.40	1.3570E-03	61.05	67.07	118.0	67.07	V-C	8310.	-11.80	84.95	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
61 D	30.76	1.1886E-03	62.73	66.54	120.0	66.55	UL-RL	2.4929E+04	-12.00	87.27	
1.000	1.000	153.8	0.000	0.000	Ug5_2_8_L_0						
62 D	30.61	1.0286E-03	64.20	63.45	121.8	63.50	UL-RL	1.8746E+04	-12.20	89.60	
1.000	1.000	153.0	0.000	0.000	Ug6_741_743_L_0						
63 D	31.04	8.7623E-04	65.67	63.28	123.6	63.38	UL-RL	1.8746E+04	-12.40	91.93	
1.000	1.000	155.2	0.000	0.000	Ug6_741_743_L_0						
64 D	31.49	7.3097E-04	67.15	63.17	125.4	63.32	UL-RL	1.8746E+04	-12.60	94.25	
1.000	1.000	157.4	0.000	0.000	Ug6_741_743_L_0						
65 D	31.64	5.9220E-04	68.62	61.60	127.2	64.05	UL-RL	1.8746E+04	-12.80	96.58	
1.000	1.000	158.2	0.000	0.000	Ug6_741_743_L_0						
66 D	31.75	4.5931E-04	70.09	59.84	129.0	64.94	UL-RL	1.8746E+04	-13.00	98.91	
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0						
67 D	31.89	3.3170E-04	71.56	58.20	130.8	65.83	UL-RL	1.8746E+04	-13.20	101.2	
1.000	1.000	159.4	0.000	0.000	Ug6_741_743_L_0						
68 D	32.04	2.0880E-04	73.04	56.66	132.6	66.72	UL-RL	1.8746E+04	-13.40	103.6	
1.000	1.000	160.2	0.000	0.000	Ug6_741_743_L_0						

69 D	32.22	9.0032E-05	74.51	55.20	134.4	67.60	UL-RL	1.8746E+04	-13.60	105.9
1.000	1.000	161.1	0.000	0.000	Ug6_741_743_L_0					
70 D	32.41	-2.5149E-05	75.98	53.82	136.2	68.49	UL-RL	1.8746E+04	-13.80	108.2
1.000	1.000	162.0	0.000	0.000	Ug6_741_743_L_0					
71 D	32.61	-1.3726E-04	77.45	52.50	138.0	69.38	UL-RL	1.8746E+04	-14.00	110.5
1.000	1.000	163.0	0.000	0.000	Ug6_741_743_L_0					
72 D	32.82	-2.4679E-04	78.93	51.24	139.8	70.27	UL-RL	1.8746E+04	-14.20	112.9
1.000	1.000	164.1	0.000	0.000	Ug6_741_743_L_0					
73 D	33.04	-3.5419E-04	80.40	50.01	141.6	71.16	UL-RL	1.8746E+04	-14.40	115.2
1.000	1.000	165.2	0.000	0.000	Ug6_741_743_L_0					
74 D	33.27	-4.5988E-04	81.87	48.83	143.4	72.05	UL-RL	1.8746E+04	-14.60	117.5
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0					
75 D	33.50	-5.6424E-04	83.35	47.67	145.2	72.94	UL-RL	1.8746E+04	-14.80	119.9
1.000	1.000	167.5	0.000	0.000	Ug6_741_743_L_0					
76 D	33.74	-6.6760E-04	84.82	46.53	147.0	73.84	UL-RL	1.8746E+04	-15.00	122.2
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0					
77 D	33.98	-7.7025E-04	86.29	45.40	148.8	74.73	UL-RL	1.8746E+04	-15.20	124.5
1.000	1.000	169.9	0.000	0.000	Ug6_741_743_L_0					
78 D	34.22	-8.7243E-04	87.76	44.29	150.6	75.62	UL-RL	1.8746E+04	-15.40	126.8
1.000	1.000	171.1	0.000	0.000	Ug6_741_743_L_0					
79 D	34.47	-9.7435E-04	89.24	43.18	152.4	76.51	UL-RL	1.8746E+04	-15.60	129.2
1.000	1.000	172.3	0.000	0.000	Ug6_741_743_L_0					
80 D	34.71	-1.0761E-03	90.71	42.07	154.2	77.40	UL-RL	1.8746E+04	-15.80	131.5
1.000	1.000	173.6	0.000	0.000	Ug6_741_743_L_0					
81 D	17.48	-1.1779E-03	92.18	40.96	156.0	78.29	UL-RL	1.8746E+04	-16.00	133.8
1.000	1.000	174.8	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-3.99537E-11 3.99537E-11-1.50990E-12 6.74817E-10
    2 0.45085    -0.45085    -5.10296E-10 9.01693E-02
    3  1.3546     -1.3546    -9.01693E-02 0.36108
    4  2.7138     -2.7138    -0.36108     0.90383
    5  4.5303     -4.5303    -0.90383      1.8099
    6  6.8051     -6.8051     -1.8099      3.1709
    7  9.5382     -9.5382     -3.1709      5.0786
    8  12.735     -12.735     -5.0786      7.6255
    9  16.397     -16.397     -7.6255      10.905
   10  20.514     -20.514     -10.905      15.008
   11  25.092     -25.092     -15.008      20.026
   12  30.130     -30.130     -20.026      26.052
   13  35.621     -35.621     -26.052      33.176
   14  41.569     -41.569     -33.176      41.490
   15  47.974     -47.974     -41.490      51.085
   16  54.835     -54.835     -51.085      62.052
   17  62.147     -62.147     -62.052      74.482
   18  69.914     -69.914     -74.482      88.464
   19  78.136     -78.136     -88.464      104.09
   20  86.809     -86.809     -104.09      121.45
   21  95.935     -95.935     -121.45      140.64
   22  105.52     -105.52     -140.64      161.74
   23  115.55     -115.55     -161.74      184.85
   24  124.67     -124.67     -184.85      209.79
   25  131.53     -131.53     -209.79      236.09
   26  136.12     -136.12     -236.09      263.32
   27  138.44     -138.44     -263.32      291.00
   28  138.49     -138.49     -291.00      318.70
   29  136.28     -136.28     -318.70      345.96
   30  131.80     -131.80     -345.96      372.32
   31  125.05     -125.05     -372.32      397.33
   32  116.03     -116.03     -397.33      420.54
   33  104.75     -104.75     -420.54      441.49
   34  91.194     -91.194     -441.49      459.72
   35  77.134     -77.134     -459.72      475.15
   36  63.850     -63.850     -475.15      487.92
   37  51.308     -51.308     -487.92      498.18
   38  39.480     -39.480     -498.18      506.08
   39  28.334     -28.334     -506.08      511.75
   40  17.838     -17.838     -511.75      515.31
   41  7.9601     -7.9601     -515.31      516.91
   42 -1.3304      1.3304     -516.91      516.64
   43 -10.067      10.067     -516.64      514.63
   44 -18.280      18.280     -514.63      510.97
   45 -26.001      26.001     -510.97      505.77
   46 -33.261      33.261     -505.77      499.12
   47 -40.091      40.091     -499.12      491.10
   48 -46.520      46.520     -491.10      481.80
   49 -52.578      52.578     -481.80      471.28
   50 -58.294      58.294     -471.28      459.62
   51 -63.695      63.695     -459.62      446.88
   52 -68.809      68.809     -446.88      433.12
   53 -73.662      73.662     -433.12      418.39
   54 -78.279      78.279     -418.39      402.73
   55 -82.684      82.684     -402.73      386.20
   56 -86.900      86.900     -386.20      368.82
   57 -90.951      90.951     -368.82      350.63
   58 -94.856      94.856     -350.63      331.65
   59 -98.636      98.636     -331.65      311.93
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   60 -102.31      102.31     -311.93      291.46
   61 -105.89      105.89     -291.46      270.29
   62 -106.02      106.02     -270.29      249.08
   63 -106.08      106.08     -249.08      227.87
   64 -106.08      106.08     -227.87      206.65
   65 -105.09      105.09     -206.65      185.63
   66 -103.02      103.02     -185.63      165.03
   67 -99.912      99.912     -165.03      145.05
   68 -95.920      95.920     -145.05      125.86
   69 -91.117      91.117     -125.86      107.64
   70 -85.685      85.685     -107.64      90.501
   71 -79.747      79.747     -90.501      74.551
   72 -73.318      73.318     -74.551      59.888
   73 -66.412      66.412     -59.888      46.606
   74 -59.039      59.039     -46.606      34.798
   75 -51.209      51.209     -34.798      24.556
   76 -42.927      42.927     -24.556      15.971
   77 -34.197      34.197     -15.971      9.1311
   78 -25.011      25.011     -9.1311      4.1290
   79 -15.370      15.370     -4.1290      1.0550
   80 -5.2747      5.2747     -1.0550    -2.45971E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1026E+07 RIMNOR=0.1448E+08
           RENORM= 1.337     REMNOR=0.3272E-17 RATIO =0.1142E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 138.5     RMMAX = 516.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1026E+07 RDR   =0.1448E+08
           RATIOT=0.1142E-02 RATIOR= 0.000
           MAX UN=0.5985E-09 IEQ=     8 NODE      4 DOF   2   X-ROT. F
           MIN UN=-.1554     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1026E+07 RIMNOR=0.1448E+08
           RENORM=0.6379E-15 REMNOR=0.3314E-17 RATIO =0.2494E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 138.5     RMMAX = 516.9
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1026E+07 RDR   =0.1448E+08
           RATIOT=0.2494E-10 RATIOR= 0.000
           MAX UN=0.8051E-08 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-.6871E-08 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICASTR_1817                                        |
|                                 Exe Time :24 May 2018       18:25:49                                                    |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0072206E-02  -3.1661878E-03
    2   2.9438969E-02  -3.1661878E-03
    3   2.8805732E-02  -3.1661808E-03
    4   2.8172498E-02  -3.1661466E-03
    5   2.7539277E-02  -3.1660518E-03
    6   2.6906085E-02  -3.1658503E-03
    7   2.6272948E-02  -3.1654830E-03
    8   2.5639907E-02  -3.1648780E-03
    9   2.5007018E-02  -3.1639504E-03
   10   2.4374355E-02  -3.1626025E-03
   11   2.3742013E-02  -3.1607235E-03
   12   2.3110110E-02  -3.1581900E-03
   13   2.2478790E-02  -3.1548655E-03
   14   2.1848226E-02  -3.1506006E-03
   15   2.1218623E-02  -3.1452331E-03
   16   2.0590218E-02  -3.1385878E-03
   17   1.9963282E-02  -3.1304768E-03
   18   1.9338135E-02  -3.1206992E-03
   19   1.8715128E-02  -3.1090413E-03
   20   1.8094659E-02  -3.0952763E-03
   21   1.7477177E-02  -3.0791648E-03
   22   1.6863170E-02  -3.0604543E-03
   23   1.6253186E-02  -3.0388797E-03
   24   1.5647827E-02  -3.0141628E-03
   25   1.5047749E-02  -2.9860313E-03
   26   1.4453657E-02  -2.9542578E-03
   27   1.3866302E-02  -2.9186793E-03
   28   1.3286449E-02  -2.8791970E-03
   29   1.2714886E-02  -2.8357771E-03
   30   1.2152399E-02  -2.7884502E-03
   31   1.1599760E-02  -2.7373116E-03
   32   1.1057720E-02  -2.6825213E-03
   33   1.0526983E-02  -2.6243031E-03
   34   1.0008208E-02  -2.5629462E-03
   35   9.5019898E-03  -2.4988041E-03
   36   9.0088459E-03  -2.4322698E-03
   37   8.5292178E-03  -2.3637328E-03
   38   8.0634643E-03  -2.2935599E-03
   39   7.6118798E-03  -2.2220984E-03
   40   7.1746890E-03  -2.1496751E-03
   41   6.7520533E-03  -2.0765980E-03
   42   6.3440741E-03  -2.0031571E-03
   43   5.9507965E-03  -1.9296249E-03
   44   5.5722131E-03  -1.8562581E-03
   45   5.2082680E-03  -1.7832980E-03
   46   4.8588535E-03  -1.7109706E-03
   47   4.5238233E-03  -1.6394892E-03
   48   4.2029881E-03  -1.5690542E-03
   49   3.8961193E-03  -1.4998539E-03
   50   3.6029538E-03  -1.4320663E-03
   51   3.3231890E-03  -1.3658577E-03
   52   3.0564884E-03  -1.3013848E-03
   53   2.8025149E-03  -1.2388031E-03
   54   2.5608450E-03  -1.1782460E-03
   55   2.3310724E-03  -1.1198509E-03
   56   2.1127519E-03  -1.0637456E-03
   57   1.9054134E-03  -1.0100520E-03
   58   1.7085625E-03  -9.5888703E-04
   59   1.5216825E-03  -9.1036301E-04
   60   1.3442341E-03  -8.6458838E-04
   61   1.1756568E-03  -8.2166818E-04
   62   1.0153697E-03  -7.8170445E-04
   63   8.6277443E-04  -7.4475010E-04
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64	7.1726875E-04	-7.1080910E-04
65	5.7824977E-04	-6.7988333E-04
66	4.4511528E-04	-6.5195971E-04
67	3.1726858E-04	-6.2699572E-04
68	1.9412454E-04	-6.0491843E-04
69	7.5115450E-05	-5.8562746E-04
70	-4.0303895E-05	-5.6899826E-04
71	-1.5265163E-04	-5.5488569E-04
72	-2.6241519E-04	-5.4312840E-04
73	-3.7004830E-04	-5.3355075E-04
74	-4.7596816E-04	-5.2596321E-04
75	-5.8055272E-04	-5.2016274E-04
76	-6.8413797E-04	-5.1593303E-04
77	-7.8701536E-04	-5.1304473E-04
78	-8.8942914E-04	-5.1125558E-04
79	-9.9157385E-04	-5.1031036E-04
80	-1.0935917E-03	-5.0994080E-04
81	-1.1955749E-03	-5.0986558E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
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New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0072E-02   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4882     -2.9439E-02   2.327      0.7683       2.335       1.603           UL-RL  5.0142E+04 -0.2000       1.673
1.000       1.000       2.441       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9414     -2.8806E-02   4.655       1.362       4.711       3.119           UL-RL  5.0142E+04 -0.4000       3.345
1.000       1.000       4.707       0.000       0.000     Ug5_2_8_L_0
   4 D   1.395     -2.8172E-02   6.982       1.955       7.140       4.509           UL-RL  5.0142E+04 -0.6000       5.018
1.000       1.000       6.973       0.000       0.000     Ug5_2_8_L_0
   5 D   1.848     -2.7539E-02   9.309       2.548       9.606       5.780           UL-RL  5.0142E+04 -0.8000       6.691
1.000       1.000       9.239       0.000       0.000     Ug5_2_8_L_0
   6 D   2.301     -2.6906E-02   11.64       3.142       12.09       6.958           UL-RL  5.0142E+04  -1.000       8.364
1.000       1.000       11.51       0.000       0.000     Ug5_2_8_L_0
   7 D   2.754     -2.6273E-02   13.96       3.735       14.57       8.073           UL-RL  5.0142E+04  -1.200       10.04
1.000       1.000       13.77       0.000       0.000     Ug5_2_8_L_0
   8 D   3.207     -2.5640E-02   16.29       4.328       17.17       9.145           UL-RL  5.0142E+04  -1.400       11.71
1.000       1.000       16.04       0.000       0.000     Ug5_2_8_L_0
   9 D   3.660     -2.5007E-02   18.62       4.921       19.79       10.19           UL-RL  5.0142E+04  -1.600       13.38
1.000       1.000       18.30       0.000       0.000     Ug5_2_8_L_0
  10 D   4.114     -2.4374E-02   20.95       5.513       22.21       11.22           UL-RL  5.0142E+04  -1.800       15.05
1.000       1.000       20.57       0.000       0.000     Ug5_2_8_L_0
  11 D   4.567     -2.3742E-02   23.27       6.105       24.76       12.23           UL-RL  5.0142E+04  -2.000       16.73
1.000       1.000       22.83       0.000       0.000     Ug5_2_8_L_0
  12 D   5.019     -2.3110E-02   25.60       6.697       27.27       13.24           UL-RL  5.0142E+04  -2.200       18.40
1.000       1.000       25.10       0.000       0.000     Ug5_2_8_L_0
  13 D   5.472     -2.2479E-02   27.93       7.289       29.64       14.24           UL-RL  5.0142E+04  -2.400       20.07
1.000       1.000       27.36       0.000       0.000     Ug5_2_8_L_0
  14 D   5.925     -2.1848E-02   30.25       7.879       32.11       15.24           UL-RL  5.0142E+04  -2.600       21.75
1.000       1.000       29.62       0.000       0.000     Ug5_2_8_L_0
  15 D   6.378     -2.1219E-02   32.58       8.470       34.57       16.23           UL-RL  5.0142E+04  -2.800       23.42
1.000       1.000       31.89       0.000       0.000     Ug5_2_8_L_0
  16 D   6.830     -2.0590E-02   34.91       9.060       37.01       17.23           UL-RL  5.0142E+04  -3.000       25.09
1.000       1.000       34.15       0.000       0.000     Ug5_2_8_L_0
  17 D   7.283     -1.9963E-02   37.24       9.649       39.34       18.22           UL-RL  5.0142E+04  -3.200       26.76
1.000       1.000       36.41       0.000       0.000     Ug5_2_8_L_0
  18 D   7.735     -1.9338E-02   39.56       10.24       41.77       19.21           UL-RL  5.0142E+04  -3.400       28.44
1.000       1.000       38.67       0.000       0.000     Ug5_2_8_L_0
  19 D   8.187     -1.8715E-02   41.89       10.83       44.18       20.21           UL-RL  5.0142E+04  -3.600       30.11
1.000       1.000       40.93       0.000       0.000     Ug5_2_8_L_0
  20 D   8.639     -1.8095E-02   44.22       11.41       46.51       21.20           UL-RL  5.0142E+04  -3.800       31.78
1.000       1.000       43.20       0.000       0.000     Ug5_2_8_L_0
  21 D   9.091     -1.7477E-02   46.55       12.00       48.91       22.19           UL-RL  5.0142E+04  -4.000       33.45
1.000       1.000       45.45       0.000       0.000     Ug5_2_8_L_0
  22 D   9.543     -1.6863E-02   48.87       12.59       51.30       23.18           UL-RL  5.0142E+04  -4.200       35.13
1.000       1.000       47.71       0.000       0.000     Ug5_2_8_L_0
  23 D   9.994     -1.6253E-02   51.20       13.17       53.63       24.18           UL-RL  5.0142E+04  -4.400       36.80
1.000       1.000       49.97       0.000       0.000     Ug5_2_8_L_0
  24 D   10.45     -1.5648E-02   53.53       13.76       56.01       25.17           UL-RL  5.0142E+04  -4.600       38.47
1.000       1.000       52.23       0.000       0.000     Ug5_2_8_L_0
  25 D   10.90     -1.5048E-02   55.85       14.34       58.39       26.17           UL-RL  5.0142E+04  -4.800       40.15
1.000       1.000       54.49       0.000       0.000     Ug5_2_8_L_0
  26 D   11.35     -1.4454E-02   58.18       14.93       60.77       27.16           UL-RL  5.0142E+04  -5.000       41.82
1.000       1.000       56.74       0.000       0.000     Ug5_2_8_L_0
  27 D   11.80     -1.3866E-02   60.51       15.51       63.09       28.16           UL-RL  5.0142E+04  -5.200       43.49
1.000       1.000       59.00       0.000       0.000     Ug5_2_8_L_0
  28 D   12.25     -1.3286E-02   62.84       16.09       65.46       29.16           UL-RL  5.0142E+04  -5.400       45.16
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1.000	1.000	61.26	0.000	0.000	Ug5_2_8_L_0						
29 D	12.70	-1.2715E-02	65.16	16.68	67.83	30.15	UL-RL	5.0142E+04	-5.600	46.84	
1.000	1.000	63.51	0.000	0.000	Ug5_2_8_L_0						
30 D	13.15	-1.2152E-02	67.49	17.26	70.15	31.15	UL-RL	5.0142E+04	-5.800	48.51	
1.000	1.000	65.77	0.000	0.000	Ug5_2_8_L_0						
31 D	13.61	-1.1600E-02	69.82	17.84	72.52	32.15	UL-RL	5.0142E+04	-6.000	50.18	
1.000	1.000	68.03	0.000	0.000	Ug5_2_8_L_0						
32 D	14.06	-1.1058E-02	72.15	18.43	74.88	33.15	UL-RL	5.0142E+04	-6.200	51.85	
1.000	1.000	70.28	0.000	0.000	Ug5_2_8_L_0						
33 D	14.51	-1.0527E-02	74.47	19.01	77.20	34.15	UL-RL	5.0142E+04	-6.400	53.53	
1.000	1.000	72.54	0.000	0.000	Ug5_2_8_L_0						
34 D	14.96	-1.0008E-02	76.80	19.59	79.56	35.15	UL-RL	5.0142E+04	-6.600	55.20	
1.000	1.000	74.79	0.000	0.000	Ug5_2_8_L_0						
35 D	15.41	-9.5020E-03	79.13	20.18	81.92	36.15	UL-RL	5.0142E+04	-6.800	56.87	
1.000	1.000	77.05	0.000	0.000	Ug5_2_8_L_0						
36 D	15.86	-9.0088E-03	81.45	20.76	84.28	37.16	UL-RL	5.0142E+04	-7.000	58.55	
1.000	1.000	79.30	0.000	0.000	Ug5_2_8_L_0						
37 D	16.31	-8.5292E-03	83.78	21.34	86.59	38.16	UL-RL	5.0142E+04	-7.200	60.22	
1.000	1.000	81.56	0.000	0.000	Ug5_2_8_L_0						
38 D	16.76	-8.0635E-03	86.11	21.92	88.95	39.16	UL-RL	5.0142E+04	-7.400	61.89	
1.000	1.000	83.81	0.000	0.000	Ug5_2_8_L_0						
39 D	17.21	-7.6119E-03	88.44	22.51	91.30	40.17	UL-RL	5.0142E+04	-7.600	63.56	
1.000	1.000	86.07	0.000	0.000	Ug5_2_8_L_0						
40 D	17.67	-7.1747E-03	90.76	23.09	93.62	41.17	UL-RL	5.0142E+04	-7.800	65.24	
1.000	1.000	88.33	0.000	0.000	Ug5_2_8_L_0						
41 D	18.12	-6.7521E-03	93.09	23.67	95.97	42.18	UL-RL	5.0142E+04	-8.000	66.91	
1.000	1.000	90.58	0.000	0.000	Ug5_2_8_L_0						
42 D	18.57	-6.3441E-03	95.42	24.26	98.32	43.19	UL-RL	5.0142E+04	-8.200	68.58	
1.000	1.000	92.84	0.000	0.000	Ug5_2_8_L_0						
43 D	19.02	-5.9508E-03	97.75	24.84	100.6	44.19	UL-RL	5.0142E+04	-8.400	70.25	
1.000	1.000	95.09	0.000	0.000	Ug5_2_8_L_0						
44 D	19.47	-5.5722E-03	100.1	25.42	103.0	45.20	UL-RL	5.0142E+04	-8.600	71.93	
1.000	1.000	97.35	0.000	0.000	Ug5_2_8_L_0						
45 D	19.92	-5.2083E-03	102.4	26.01	105.3	46.21	UL-RL	5.0142E+04	-8.800	73.60	
1.000	1.000	99.61	0.000	0.000	Ug5_2_8_L_0						
46 D	20.37	-4.8589E-03	104.7	26.59	107.7	47.22	UL-RL	5.0142E+04	-9.000	75.27	
1.000	1.000	101.9	0.000	0.000	Ug5_2_8_L_0						
47 D	20.82	-4.5238E-03	107.1	27.18	110.0	48.23	UL-RL	5.0142E+04	-9.200	76.95	
1.000	1.000	104.1	0.000	0.000	Ug5_2_8_L_0						
48 D	21.28	-4.2030E-03	109.4	27.77	112.3	49.24	UL-RL	5.0142E+04	-9.400	78.62	
1.000	1.000	106.4	0.000	0.000	Ug5_2_8_L_0						
49 D	21.73	-3.8961E-03	111.7	28.35	114.7	50.26	UL-RL	5.0142E+04	-9.600	80.29	
1.000	1.000	108.6	0.000	0.000	Ug5_2_8_L_0						
50 D	22.18	-3.6030E-03	114.0	28.94	117.0	51.27	UL-RL	5.0142E+04	-9.800	81.96	
1.000	1.000	110.9	0.000	0.000	Ug5_2_8_L_0						
51 D	22.63	-3.3232E-03	116.4	29.52	119.4	52.28	UL-RL	5.0142E+04	-10.00	83.64	
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0						
52 D	23.08	-3.0565E-03	118.7	30.11	121.7	53.29	UL-RL	5.0142E+04	-10.20	85.31	
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0						
53 D	23.54	-2.8025E-03	121.0	30.70	124.0	54.31	UL-RL	5.0142E+04	-10.40	86.98	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
54 D	23.99	-2.5608E-03	123.3	31.29	126.4	55.32	UL-RL	5.0142E+04	-10.60	88.65	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
55 D	24.44	-2.3311E-03	125.7	31.88	128.7	56.34	UL-RL	5.0142E+04	-10.80	90.33	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
56 D	24.89	-2.1128E-03	128.0	32.47	131.0	57.35	UL-RL	5.0142E+04	-11.00	92.00	
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0						
57 D	25.35	-1.9054E-03	130.3	33.06	133.4	58.37	UL-RL	5.0142E+04	-11.20	93.67	
1.000	1.000	126.7	0.000	0.000	Ug5_2_8_L_0						
58 D	25.80	-1.7086E-03	132.7	33.65	135.7	59.39	UL-RL	5.0142E+04	-11.40	95.35	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
59 D	26.25	-1.5217E-03	135.0	34.24	138.0	60.40	UL-RL	5.0142E+04	-11.60	97.02	
1.000	1.000	131.3	0.000	0.000	Ug5_2_8_L_0						
60 D	26.70	-1.3442E-03	137.3	34.83	140.4	61.42	UL-RL	5.0142E+04	-11.80	98.69	
1.000	1.000	133.5	0.000	0.000	Ug5_2_8_L_0						
61 D	27.16	-1.1757E-03	139.6	35.45	142.7	62.44	UL-RL	5.0142E+04	-12.00	100.4	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
62 D	30.38	-1.0154E-03	141.8	49.86	144.8	63.42	UL-RL	2.4005E+04	-12.20	102.0	
1.000	1.000	151.9	0.000	0.000	Ug6_741_743_L_0						
63 D	30.89	-8.6277E-04	143.9	50.75	147.0	64.53	UL-RL	2.4005E+04	-12.40	103.7	
1.000	1.000	154.5	0.000	0.000	Ug6_741_743_L_0						
64 D	31.40	-7.1727E-04	146.0	51.64	149.1	65.58	UL-RL	2.4005E+04	-12.60	105.4	
1.000	1.000	157.0	0.000	0.000	Ug6_741_743_L_0						
65 D	32.53	-5.7825E-04	148.1	55.60	151.2	66.59	UL-RL	2.4005E+04	-12.80	107.1	
1.000	1.000	162.7	0.000	0.000	Ug6_741_743_L_0						
66 D	33.74	-4.4512E-04	150.3	59.96	153.3	67.57	UL-RL	2.4005E+04	-13.00	108.7	
1.000	1.000	168.7	0.000	0.000	Ug6_741_743_L_0						
67 D	34.92	-3.1727E-04	152.4	64.18	155.4	68.78	UL-RL	2.4005E+04	-13.20	110.4	
1.000	1.000	174.6	0.000	0.000	Ug6_741_743_L_0						
68 D	35.96	-1.9412E-04	154.5	67.71	157.5	70.56	UL-RL	2.4005E+04	-13.40	112.1	
1.000	1.000	179.8	0.000	0.000	Ug6_741_743_L_0						

69 D	36.95	-7.5115E-05	156.7	70.98	159.6	72.13	UL-RL	2.4005E+04	-13.60	113.7	
1.000	1.000	184.7	0.000	0.000	Ug6_741_743_L_0						
70 D	37.76	4.0304E-05	158.8	73.40	161.7	73.78	UL-RL	2.4005E+04	-13.80	115.4	
1.000	1.000	188.8	0.000	0.000	Ug6_741_743_L_0						
71 D	38.47	1.5265E-04	160.9	75.28	163.8	75.65	UL-RL	2.4005E+04	-14.00	117.1	
1.000	1.000	192.4	0.000	0.000	Ug6_741_743_L_0						
72 D	39.18	2.6242E-04	163.0	77.14	165.9	77.50	UL-RL	2.4005E+04	-14.20	118.8	
1.000	1.000	195.9	0.000	0.000	Ug6_741_743_L_0						
73 D	39.88	3.7005E-04	165.2	78.97	168.0	79.31	UL-RL	2.4005E+04	-14.40	120.4	
1.000	1.000	199.4	0.000	0.000	Ug6_741_743_L_0						
74 D	40.58	4.7597E-04	167.3	80.78	170.1	81.11	UL-RL	2.4005E+04	-14.60	122.1	
1.000	1.000	202.9	0.000	0.000	Ug6_741_743_L_0						
75 D	41.27	5.8055E-04	169.4	82.58	172.2	82.90	UL-RL	2.4005E+04	-14.80	123.8	
1.000	1.000	206.4	0.000	0.000	Ug6_741_743_L_0						
76 D	41.96	6.8414E-04	171.5	84.37	174.3	84.67	UL-RL	2.4005E+04	-15.00	125.5	
1.000	1.000	209.8	0.000	0.000	Ug6_741_743_L_0						
77 D	42.65	7.8702E-04	173.7	86.15	176.4	86.44	UL-RL	2.4005E+04	-15.20	127.1	
1.000	1.000	213.3	0.000	0.000	Ug6_741_743_L_0						
78 D	43.36	8.8943E-04	175.8	87.98	178.5	88.26	UL-RL	2.4005E+04	-15.40	128.8	
1.000	1.000	216.8	0.000	0.000	Ug6_741_743_L_0						
79 D	44.06	9.9157E-04	177.9	89.81	180.6	90.08	UL-RL	2.4005E+04	-15.60	130.5	
1.000	1.000	220.3	0.000	0.000	Ug6_741_743_L_0						
80 D	44.76	1.0936E-03	180.1	91.64	182.7	91.90	UL-RL	2.4005E+04	-15.80	132.1	
1.000	1.000	223.8	0.000	0.000	Ug6_741_743_L_0						
81 D	22.73	1.1956E-03	182.2	93.47	184.8	93.71	UL-RL	2.4005E+04	-16.00	133.8	
1.000	1.000	227.3	0.000	0.000	Ug6_741_743_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                            |
 |                                   Exe Time :24 May 2018       18:25:49                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D   1.317       1.5648E-02  0.8364      5.422       46.00       63.03         UL-RL  2.4929E+04  -4.600       1.164
1.000       1.000       6.586       0.000       0.000     Ug5_2_8_L_0
  25 D   4.036       1.5048E-02  2.509       16.69       48.00       61.64         UL-RL  2.4929E+04  -4.800       3.491
1.000       1.000       20.18       0.000       0.000     Ug5_2_8_L_0
  26 D   6.755       1.4454E-02  4.182       27.96       50.00       60.31         UL-RL  2.4929E+04  -5.000       5.818
1.000       1.000       33.78       0.000       0.000     Ug5_2_8_L_0
  27 D   9.475       1.3866E-02  5.855       39.23       52.00       69.31         UL-RL  2.4929E+04  -5.200       8.145
1.000       1.000       47.37       0.000       0.000     Ug5_2_8_L_0
  28 D   12.19       1.3286E-02  7.527       50.50       54.00       80.86         UL-RL  2.4929E+04  -5.400       10.47
```

1.000	1.000	60.97	0.000	0.000	Ug5_2_8_L_0					
29 D	14.91	1.2715E-02	9.200	61.76	56.00	92.41	UL-RL	2.4929E+04	-5.600	12.80
1.000	1.000	74.56	0.000	0.000	Ug5_2_8_L_0					
30 D	17.63	1.2152E-02	10.87	73.03	58.00	101.5	UL-RL	2.4929E+04	-5.800	15.13
1.000	1.000	88.16	0.000	0.000	Ug5_2_8_L_0					
31 D	20.35	1.1600E-02	12.55	84.30	60.00	98.41	UL-RL	2.4929E+04	-6.000	17.45
1.000	1.000	101.8	0.000	0.000	Ug5_2_8_L_0					
32 D	23.07	1.1058E-02	14.22	95.57	62.00	95.80	UL-RL	2.4929E+04	-6.200	19.78
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0					
33 D	25.79	1.0527E-02	15.89	106.8	64.00	107.1	UL-RL	2.4929E+04	-6.400	22.11
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0					
34 D	28.51	1.0008E-02	17.56	118.1	66.00	118.3	UL-RL	2.4929E+04	-6.600	24.44
1.000	1.000	142.5	0.000	0.000	Ug5_2_8_L_0					
35 D	29.47	9.5020E-03	19.24	120.6	68.00	120.8	UL-RL	2.4929E+04	-6.800	26.76
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0					
36 D	29.14	9.0088E-03	20.91	116.6	70.00	116.9	UL-RL	2.4929E+04	-7.000	29.09
1.000	1.000	145.7	0.000	0.000	Ug5_2_8_L_0					
37 D	28.85	8.5292E-03	22.58	112.8	72.00	113.1	UL-RL	2.4929E+04	-7.200	31.42
1.000	1.000	144.3	0.000	0.000	Ug5_2_8_L_0					
38 D	28.59	8.0635E-03	24.25	109.2	74.00	109.4	UL-RL	2.4929E+04	-7.400	33.75
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0					
39 D	28.36	7.6119E-03	25.93	105.7	76.00	106.0	UL-RL	2.4929E+04	-7.600	36.07
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0					
40 D	28.16	7.1747E-03	27.60	102.4	78.00	102.6	UL-RL	2.4929E+04	-7.800	38.40
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0					
41 D	27.99	6.7521E-03	29.27	99.22	80.00	99.47	UL-RL	2.4929E+04	-8.000	40.73
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0					
42 D	27.85	6.3441E-03	30.95	96.21	82.00	96.46	UL-RL	2.4929E+04	-8.200	43.05
1.000	1.000	139.3	0.000	0.000	Ug5_2_8_L_0					
43 D	27.75	5.9508E-03	32.62	93.37	84.00	93.62	UL-RL	2.4929E+04	-8.400	45.38
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0					
44 D	27.68	5.5722E-03	34.29	90.68	86.00	90.93	UL-RL	2.4929E+04	-8.600	47.71
1.000	1.000	138.4	0.000	0.000	Ug5_2_8_L_0					
45 D	27.64	5.2083E-03	35.96	88.14	88.00	88.40	UL-RL	2.4929E+04	-8.800	50.04
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0					
46 D	27.63	4.8589E-03	37.64	85.76	90.00	86.02	UL-RL	2.4929E+04	-9.000	52.36
1.000	1.000	138.1	0.000	0.000	Ug5_2_8_L_0					
47 D	27.65	4.5238E-03	39.31	83.53	92.00	83.79	UL-RL	2.4929E+04	-9.200	54.69
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0					
48 D	27.70	4.2030E-03	40.98	81.46	94.00	81.72	UL-RL	2.4929E+04	-9.400	57.02
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0					
49 D	27.77	3.8961E-03	42.65	79.53	96.00	79.79	UL-RL	2.4929E+04	-9.600	59.35
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0					
50 D	27.88	3.6030E-03	44.33	77.74	98.00	78.01	UL-RL	2.4929E+04	-9.800	61.67
1.000	1.000	139.4	0.000	0.000	Ug5_2_8_L_0					
51 D	28.02	3.3232E-03	46.00	76.09	100.00	76.36	UL-RL	2.4929E+04	-10.00	64.00
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0					
52 D	28.18	3.0565E-03	47.67	74.57	102.0	74.85	UL-RL	2.4929E+04	-10.20	66.33
1.000	1.000	140.9	0.000	0.000	Ug5_2_8_L_0					
53 D	28.37	2.8025E-03	49.35	73.19	104.0	73.47	UL-RL	2.4929E+04	-10.40	68.65
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0					
54 D	28.58	2.5608E-03	51.02	71.93	106.0	72.22	UL-RL	2.4929E+04	-10.60	70.98
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0					
55 D	28.82	2.3311E-03	52.69	70.80	108.0	71.09	UL-RL	2.4929E+04	-10.80	73.31
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0					
56 D	29.08	2.1128E-03	54.36	69.78	110.0	70.07	UL-RL	2.4929E+04	-11.00	75.64
1.000	1.000	145.4	0.000	0.000	Ug5_2_8_L_0					
57 D	29.37	1.9054E-03	56.04	68.87	112.0	69.17	UL-RL	2.4929E+04	-11.20	77.96
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0					
58 D	29.67	1.7086E-03	57.71	68.06	114.0	68.37	UL-RL	2.4929E+04	-11.40	80.29
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0					
59 D	30.00	1.5217E-03	59.38	67.36	116.0	67.67	UL-RL	2.4929E+04	-11.60	82.62
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0					
60 D	30.34	1.3442E-03	61.05	66.75	118.0	67.07	UL-RL	2.4929E+04	-11.80	84.95
1.000	1.000	151.7	0.000	0.000	Ug5_2_8_L_0					
61 D	30.70	1.1757E-03	62.73	66.21	120.0	66.55	UL-RL	2.4929E+04	-12.00	87.27
1.000	1.000	153.5	0.000	0.000	Ug5_2_8_L_0					
62 D	30.56	1.0154E-03	64.20	63.20	121.8	63.50	UL-RL	1.8746E+04	-12.20	89.60
1.000	1.000	152.8	0.000	0.000	Ug6_741_743_L_0					
63 D	30.99	8.6277E-04	65.67	63.03	123.6	63.38	UL-RL	1.8746E+04	-12.40	91.93
1.000	1.000	155.0	0.000	0.000	Ug6_741_743_L_0					
64 D	31.43	7.1727E-04	67.15	62.92	125.4	63.32	UL-RL	1.8746E+04	-12.60	94.25
1.000	1.000	157.2	0.000	0.000	Ug6_741_743_L_0					
65 D	31.58	5.7825E-04	68.62	61.34	127.2	64.05	UL-RL	1.8746E+04	-12.80	96.58
1.000	1.000	157.9	0.000	0.000	Ug6_741_743_L_0					
66 D	31.70	4.4512E-04	70.09	59.58	129.0	64.94	UL-RL	1.8746E+04	-13.00	98.91
1.000	1.000	158.5	0.000	0.000	Ug6_741_743_L_0					
67 D	31.83	3.1727E-04	71.56	57.93	130.8	65.83	UL-RL	1.8746E+04	-13.20	101.2
1.000	1.000	159.2	0.000	0.000	Ug6_741_743_L_0					
68 D	31.99	1.9412E-04	73.04	56.38	132.6	66.72	UL-RL	1.8746E+04	-13.40	103.6
1.000	1.000	159.9	0.000	0.000	Ug6_741_743_L_0					

69	D	32.16	7.5115E-05	74.51	54.92	134.4	67.60	UL-RL	1.8746E+04	-13.60	105.9
1.000		1.000	160.8	0.000	0.000	Ug6_741_743_L_0					
70	D	32.35	-4.0304E-05	75.98	53.53	136.2	68.49	UL-RL	1.8746E+04	-13.80	108.2
1.000		1.000	161.8	0.000	0.000	Ug6_741_743_L_0					
71	D	32.55	-1.5265E-04	77.45	52.21	138.0	69.38	UL-RL	1.8746E+04	-14.00	110.5
1.000		1.000	162.8	0.000	0.000	Ug6_741_743_L_0					
72	D	32.76	-2.6242E-04	78.93	50.94	139.8	70.27	UL-RL	1.8746E+04	-14.20	112.9
1.000		1.000	163.8	0.000	0.000	Ug6_741_743_L_0					
73	D	32.98	-3.7005E-04	80.40	49.72	141.6	71.16	UL-RL	1.8746E+04	-14.40	115.2
1.000		1.000	164.9	0.000	0.000	Ug6_741_743_L_0					
74	D	33.21	-4.7597E-04	81.87	48.53	143.4	72.05	UL-RL	1.8746E+04	-14.60	117.5
1.000		1.000	166.1	0.000	0.000	Ug6_741_743_L_0					
75	D	33.44	-5.8055E-04	83.35	47.36	145.2	72.94	UL-RL	1.8746E+04	-14.80	119.9
1.000		1.000	167.2	0.000	0.000	Ug6_741_743_L_0					
76	D	33.68	-6.8414E-04	84.82	46.22	147.0	73.84	UL-RL	1.8746E+04	-15.00	122.2
1.000		1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
77	D	33.92	-7.8702E-04	86.29	45.09	148.8	74.73	UL-RL	1.8746E+04	-15.20	124.5
1.000		1.000	169.6	0.000	0.000	Ug6_741_743_L_0					
78	D	34.16	-8.8943E-04	87.76	43.97	150.6	75.62	UL-RL	1.8746E+04	-15.40	126.8
1.000		1.000	170.8	0.000	0.000	Ug6_741_743_L_0					
79	D	34.40	-9.9157E-04	89.24	42.86	152.4	76.51	UL-RL	1.8746E+04	-15.60	129.2
1.000		1.000	172.0	0.000	0.000	Ug6_741_743_L_0					
80	D	34.65	-1.0936E-03	90.71	41.74	154.2	77.40	UL-RL	1.8746E+04	-15.80	131.5
1.000		1.000	173.2	0.000	0.000	Ug6_741_743_L_0					
81	D	17.44	-1.1956E-03	92.18	40.63	156.0	78.29	UL-RL	1.8746E+04	-16.00	133.8
1.000		1.000	174.4	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICASTR_1817                                      |
|                                   Exe Time :24 May 2018       18:25:49                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.06160E-09-2.06160E-09 2.05642E-10 8.88122E-10
    2 0.48820    -0.48820    -8.94242E-10 9.76400E-02
    3  1.4296     -1.4296    -9.76400E-02 0.38356
    4  2.8243     -2.8243    -0.38356     0.94842
    5  4.6721     -4.6721    -0.94842      1.8828
    6  6.9731     -6.9731     -1.8828      3.2775
    7  9.7274     -9.7274     -3.2775      5.2229
    8  12.935     -12.935     -5.2229      7.8099
    9  16.595     -16.595     -7.8099      11.129
   10  20.709     -20.709     -11.129      15.271
   11  25.275     -25.275     -15.271      20.326
   12  30.295     -30.295     -20.326      26.385
   13  35.767     -35.767     -26.385      33.538
   14  41.692     -41.692     -33.538      41.876
   15  48.069     -48.069     -41.876      51.490
   16  54.900     -54.900     -51.490      62.470
   17  62.182     -62.182     -62.470      74.907
   18  69.917     -69.917     -74.907      88.890
   19  78.104     -78.104     -88.890      104.51
   20  86.743     -86.743     -104.51      121.86
   21  95.834     -95.834     -121.86      141.03
   22  105.38     -105.38     -141.03      162.10
   23  115.37     -115.37     -162.10      185.18
   24  124.50     -124.50     -185.18      210.08
   25  131.36     -131.36     -210.08      236.35
   26  135.95     -135.95     -236.35      263.54
   27  138.28     -138.28     -263.54      291.20
   28  138.34     -138.34     -291.20      318.86
   29  136.13     -136.13     -318.86      346.09
   30  131.65     -131.65     -346.09      372.42
   31  124.90     -124.90     -372.42      397.40
   32  115.89     -115.89     -397.40      420.58
   33  104.61     -104.61     -420.58      441.50
   34  91.056     -91.056     -441.50      459.71
   35  76.999     -76.999     -459.71      475.11
   36  63.717     -63.717     -475.11      487.85
   37  51.178     -51.178     -487.85      498.09
   38  39.353     -39.353     -498.09      505.96
   39  28.211     -28.211     -505.96      511.60
   40  17.718     -17.718     -511.60      515.15
   41  7.8451     -7.8451     -515.15      516.71
   42 -1.4409      1.4409     -516.71      516.43
   43 -10.171      10.171     -516.43      514.39
   44 -18.378      18.378     -514.39      510.72
   45 -26.092      26.092     -510.72      505.50
   46 -33.343      33.343     -505.50      498.83
   47 -40.164      40.164     -498.83      490.80
   48 -46.582      46.582     -490.80      481.48
   49 -52.628      52.628     -481.48      470.95
   50 -58.330      58.330     -470.95      459.29
   51 -63.715      63.715     -459.29      446.55
   52 -68.811      68.811     -446.55      432.78
   53 -73.644      73.644     -432.78      418.05
   54 -78.238      78.238     -418.05      402.41
   55 -82.619      82.619     -402.41      385.88
   56 -86.808      86.808     -385.88      368.52
   57 -90.829      90.829     -368.52      350.36
   58 -94.701      94.701     -350.36      331.42
   59 -98.446      98.446     -331.42      311.73
```

60	-102.08	102.08	-311.73	291.31
61	-105.62	105.62	-291.31	270.19
62	-105.80	105.80	-270.19	249.03
63	-105.90	105.90	-249.03	227.85
64	-105.93	105.93	-227.85	206.66
65	-104.98	104.98	-206.66	185.67
66	-102.94	102.94	-185.67	165.08
67	-99.855	99.855	-165.08	145.11
68	-95.887	95.887	-145.11	125.93
69	-91.104	91.104	-125.93	107.71
70	-85.692	85.692	-107.71	90.573
71	-79.769	79.769	-90.573	74.619
72	-73.352	73.352	-74.619	59.949
73	-66.455	66.455	-59.949	46.658
74	-59.088	59.088	-46.658	34.840
75	-51.260	51.260	-34.840	24.588
76	-42.976	42.976	-24.588	15.993
77	-34.241	34.241	-15.993	9.1449
78	-25.046	25.046	-9.1449	4.1356
79	-15.394	15.394	-4.1356	1.0568
80	-5.2837	5.2837	-1.0568	-7.56184E-12

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                   NewProject.BaseDesignSection_28.SISMICASTR_1817                                       |
|                                  Exe Time :24 May 2018       18:25:49                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


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

                    S U M M A R Y

     STEP                                 NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.07 [sec]
DATABASE  CREATION CPU TIME.....    0.27 [sec]
```

Design Assumption : SISMICA GEO - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.SISMICAGEO_1847
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                  Exe Time :24 May 2018       18:25:50                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   81
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 162
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN ..................... 102
NO. OF LONG NAMES (LASTNAME) ..................   22
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

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

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -16 0 1
    7 : SOIL 0_L LeftWall_32 -16 0 1 0
    8 : SOIL 0_R LeftWall_32 -16 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5E+04 1.5E+05
   15 : ENDL
   16 : LDATA Ug6_741_743_L_0 -12 LeftWall_32
   17 : ATREST 0.5 0.5 1
   18 : WEIGHT 18.5 9 10
   19 : PERMEABILITY 0.0001
   20 : RESISTANCE 5 26
   21 : YOUNG 3E+04 9E+04
   22 : ENDL
   23 : MATERIAL S355_114 2.1E+08
   24 : MATERIAL C2530_104 3.148E+07
   25 : BEAM WallElement_33 LeftWall_32 -16 0 C2530_104 0.8121 00 00 0
   26 : STRIP LeftWall_32 1 6 1 11.75 0 5 45
   27 : STEP Stage1_31
   28 : CHANGE Ug5_2_8_L_0 U-FRICT=31.08 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   30 : CHANGE Ug5_2_8_L_0 U-KA=0.319 LeftWall_32
   31 : CHANGE Ug5_2_8_L_0 U-KP=4.578 LeftWall_32
   32 : CHANGE Ug5_2_8_L_0 D-KA=0.319 LeftWall_32
   33 : CHANGE Ug5_2_8_L_0 D-KP=4.578 LeftWall_32
   34 : CHANGE Ug6_741_743_L_0 U-FRICT=21.32 LeftWall_32
   35 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   36 : CHANGE Ug6_741_743_L_0 U-KA=0.467 LeftWall_32
   37 : CHANGE Ug6_741_743_L_0 U-KP=2.649 LeftWall_32
   38 : CHANGE Ug6_741_743_L_0 D-KA=0.467 LeftWall_32
   39 : CHANGE Ug6_741_743_L_0 D-KP=2.649 LeftWall_32
   40 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   41 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   42 : CHANGE Ug6_741_743_L_0 U-COHE=4 LeftWall_32
   43 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   44 : SETWALL LeftWall_32
   45 : GEOM 0 0
   46 : WATER 0 0 -16 0 0
   47 : ADD WallElement_33
   48 : ENDSTEP
   49 : STEP Stage2_158
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   51 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   52 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   53 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   54 : SETWALL LeftWall_32
   55 : GEOM 0 -1
   56 : WATER 0 1 -16 0 0
   57 : ENDSTEP
   58 : STEP Stage3_255
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   60 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
   61 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   62 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
   63 : SETWALL LeftWall_32
   64 : GEOM 0 -2
   65 : WATER 0 2 -16 0 0
   66 : ENDSTEP
   67 : STEP Stage4_352
   68 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
```

```
 69 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 71 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 72 : SETWALL LeftWall_32
 73 : GEOM 0 -3
 74 : WATER 0 3 -16 0 0
 75 : ENDSTEP
 76 : STEP Stage5_449
 77 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 78 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 79 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 80 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 81 : SETWALL LeftWall_32
 82 : GEOM 0 -4
 83 : WATER 0 4 -16 0 0
 84 : ENDSTEP
 85 : STEP Stage6_546
 86 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 87 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 88 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 89 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 90 : SETWALL LeftWall_32
 91 : GEOM 0 -4.5
 92 : WATER 0 4.5 -16 0 0
 93 : ENDSTEP
 94 : STEP Stage7_643
 95 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
 96 : CHANGE Ug6_741_743_L_0 D-FRICT=21.32 LeftWall_32
 97 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
 98 : CHANGE Ug6_741_743_L_0 D-COHE=4 LeftWall_32
 99 : SETWALL LeftWall_32
100 : GEOM 0 -4.5
101 : WATER 0 4.5 -16 0 0
102 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
```

36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.2000	0.000	0.000	0.000	1.000
62	62	2	0.2000	0.000	0.000	0.000	1.000
63	63	2	0.2000	0.000	0.000	0.000	1.000
64	64	2	0.2000	0.000	0.000	0.000	1.000
65	65	2	0.2000	0.000	0.000	0.000	1.000
66	66	2	0.2000	0.000	0.000	0.000	1.000
67	67	2	0.2000	0.000	0.000	0.000	1.000
68	68	2	0.2000	0.000	0.000	0.000	1.000
69	69	2	0.2000	0.000	0.000	0.000	1.000
70	70	2	0.2000	0.000	0.000	0.000	1.000
71	71	2	0.2000	0.000	0.000	0.000	1.000
72	72	2	0.2000	0.000	0.000	0.000	1.000
73	73	2	0.2000	0.000	0.000	0.000	1.000
74	74	2	0.2000	0.000	0.000	0.000	1.000
75	75	2	0.2000	0.000	0.000	0.000	1.000
76	76	2	0.2000	0.000	0.000	0.000	1.000
77	77	2	0.2000	0.000	0.000	0.000	1.000
78	78	2	0.2000	0.000	0.000	0.000	1.000
79	79	2	0.2000	0.000	0.000	0.000	1.000
80	80	2	0.2000	0.000	0.000	0.000	1.000
81	81	2	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  81   0   1   0   0   0   0   0   0   0   0   0   0   0   2   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 material set no.    2

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


 element data

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

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

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  80   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.8121     0.000     0.000
    2    2    3    1    0.000     0.000    0.8121     0.000     0.000
    3    3    4    1    0.000     0.000    0.8121     0.000     0.000
    4    4    5    1    0.000     0.000    0.8121     0.000     0.000
    5    5    6    1    0.000     0.000    0.8121     0.000     0.000
    6    6    7    1    0.000     0.000    0.8121     0.000     0.000
    7    7    8    1    0.000     0.000    0.8121     0.000     0.000
    8    8    9    1    0.000     0.000    0.8121     0.000     0.000
    9    9   10    1    0.000     0.000    0.8121     0.000     0.000
   10   10   11    1    0.000     0.000    0.8121     0.000     0.000
   11   11   12    1    0.000     0.000    0.8121     0.000     0.000
   12   12   13    1    0.000     0.000    0.8121     0.000     0.000
   13   13   14    1    0.000     0.000    0.8121     0.000     0.000
   14   14   15    1    0.000     0.000    0.8121     0.000     0.000
   15   15   16    1    0.000     0.000    0.8121     0.000     0.000
   16   16   17    1    0.000     0.000    0.8121     0.000     0.000
   17   17   18    1    0.000     0.000    0.8121     0.000     0.000
   18   18   19    1    0.000     0.000    0.8121     0.000     0.000
   19   19   20    1    0.000     0.000    0.8121     0.000     0.000
   20   20   21    1    0.000     0.000    0.8121     0.000     0.000
   21   21   22    1    0.000     0.000    0.8121     0.000     0.000
   22   22   23    1    0.000     0.000    0.8121     0.000     0.000
   23   23   24    1    0.000     0.000    0.8121     0.000     0.000
   24   24   25    1    0.000     0.000    0.8121     0.000     0.000
   25   25   26    1    0.000     0.000    0.8121     0.000     0.000
   26   26   27    1    0.000     0.000    0.8121     0.000     0.000
   27   27   28    1    0.000     0.000    0.8121     0.000     0.000
   28   28   29    1    0.000     0.000    0.8121     0.000     0.000
```

29	29	30	1	0.000	0.000	0.8121	0.000	0.000
30	30	31	1	0.000	0.000	0.8121	0.000	0.000
31	31	32	1	0.000	0.000	0.8121	0.000	0.000
32	32	33	1	0.000	0.000	0.8121	0.000	0.000
33	33	34	1	0.000	0.000	0.8121	0.000	0.000
34	34	35	1	0.000	0.000	0.8121	0.000	0.000
35	35	36	1	0.000	0.000	0.8121	0.000	0.000
36	36	37	1	0.000	0.000	0.8121	0.000	0.000
37	37	38	1	0.000	0.000	0.8121	0.000	0.000
38	38	39	1	0.000	0.000	0.8121	0.000	0.000
39	39	40	1	0.000	0.000	0.8121	0.000	0.000
40	40	41	1	0.000	0.000	0.8121	0.000	0.000
41	41	42	1	0.000	0.000	0.8121	0.000	0.000
42	42	43	1	0.000	0.000	0.8121	0.000	0.000
43	43	44	1	0.000	0.000	0.8121	0.000	0.000
44	44	45	1	0.000	0.000	0.8121	0.000	0.000
45	45	46	1	0.000	0.000	0.8121	0.000	0.000
46	46	47	1	0.000	0.000	0.8121	0.000	0.000
47	47	48	1	0.000	0.000	0.8121	0.000	0.000
48	48	49	1	0.000	0.000	0.8121	0.000	0.000
49	49	50	1	0.000	0.000	0.8121	0.000	0.000
50	50	51	1	0.000	0.000	0.8121	0.000	0.000
51	51	52	1	0.000	0.000	0.8121	0.000	0.000
52	52	53	1	0.000	0.000	0.8121	0.000	0.000
53	53	54	1	0.000	0.000	0.8121	0.000	0.000
54	54	55	1	0.000	0.000	0.8121	0.000	0.000
55	55	56	1	0.000	0.000	0.8121	0.000	0.000
56	56	57	1	0.000	0.000	0.8121	0.000	0.000
57	57	58	1	0.000	0.000	0.8121	0.000	0.000
58	58	59	1	0.000	0.000	0.8121	0.000	0.000
59	59	60	1	0.000	0.000	0.8121	0.000	0.000
60	60	61	1	0.000	0.000	0.8121	0.000	0.000
61	61	62	1	0.000	0.000	0.8121	0.000	0.000
62	62	63	1	0.000	0.000	0.8121	0.000	0.000
63	63	64	1	0.000	0.000	0.8121	0.000	0.000
64	64	65	1	0.000	0.000	0.8121	0.000	0.000
65	65	66	1	0.000	0.000	0.8121	0.000	0.000
66	66	67	1	0.000	0.000	0.8121	0.000	0.000
67	67	68	1	0.000	0.000	0.8121	0.000	0.000
68	68	69	1	0.000	0.000	0.8121	0.000	0.000
69	69	70	1	0.000	0.000	0.8121	0.000	0.000
70	70	71	1	0.000	0.000	0.8121	0.000	0.000
71	71	72	1	0.000	0.000	0.8121	0.000	0.000
72	72	73	1	0.000	0.000	0.8121	0.000	0.000
73	73	74	1	0.000	0.000	0.8121	0.000	0.000
74	74	75	1	0.000	0.000	0.8121	0.000	0.000
75	75	76	1	0.000	0.000	0.8121	0.000	0.000
76	76	77	1	0.000	0.000	0.8121	0.000	0.000
77	77	78	1	0.000	0.000	0.8121	0.000	0.000
78	78	79	1	0.000	0.000	0.8121	0.000	0.000
79	79	80	1	0.000	0.000	0.8121	0.000	0.000
80	80	81	1	0.000	0.000	0.8121	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    0
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

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

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

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

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F       0.0000000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+


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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
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ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
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ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
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ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)
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LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

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

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
```

```
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  50000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.15000E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    2 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  19.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >= -12.000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  18.500     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  9.0000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   8<U-COHE  >=  4.0000     WALL NO.        1
ITEM NO.   8<U-COHE  >=  5.0000     WALL NO.        2
ITEM NO.   9<U-FRICT >=  21.320     WALL NO.        1
ITEM NO.   9<U-FRICT >=  26.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.46700     WALL NO.        1
ITEM NO.  11<U-KP    >=  2.6490     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  30000.     (BOTH WALLS)
ITEM NO.  18<EUR     >=  90000.     (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  58<D-COHE  >=  4.0000     WALL NO.        1
ITEM NO.  58<D-COHE  >=  5.0000     WALL NO.        2
ITEM NO.  59<D-FRICT >=  21.320     WALL NO.        1
ITEM NO.  59<D-FRICT >=  26.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.46700     WALL NO.        1
ITEM NO.  61<D-KP    >=  2.6490     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON    14 VALUES
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -16.00        -16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
```

SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.500	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.500	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-16.00	-16.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -16.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             1


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   6.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           1.00000000000000
 FOUNDATION WIDTH    (B)            11.7500000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      5.00000000000000
 BETA ...........               45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        4763

 NO. OF D.P.W  FOR THIS AREA       9554
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.2753E-27 REMNOR= 0.000     RATIO =0.4748E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.4748E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   143 NODE     72 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1690E-29 REMNOR=0.1300E-52 RATIO =0.3720E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3720E-17 RATIOR= 0.000
           MAX UN=0.3954E-17 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.2360E-15 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1221E+06 RIMNOR= 0.000
           RENORM=0.1466E-29 REMNOR=0.4358E-52 RATIO =0.3464E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 47.08     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.1221E+06 RDR   = 0.000
           RATIOT=0.3464E-17 RATIOR= 0.000
           MAX UN=0.1887E-26 IEQ=    48 NODE     24 DOF   2   X-ROT. F
           MIN UN=-.2061E-15 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                              |
 |                                 Exe Time :24 May 2018       18:25:50                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      2.5292E-20   0.000       0.000       0.000       0.000            V-C  4.1493E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141      2.5897E-20   2.008       1.570       2.008       1.570            V-C  4.1493E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411      2.6501E-20   4.057       3.055       4.057       3.055            V-C  4.1493E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083      2.7103E-20   6.158       4.413       6.158       4.413            V-C  4.1493E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730      2.7700E-20   8.297       5.651       8.297       5.651            V-C  4.1493E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359      2.8287E-20   10.45       6.797       10.45       6.797            V-C  4.1493E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976      2.8859E-20   12.61       7.879       12.61       7.879            V-C  4.1493E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584      2.9410E-20   14.87       8.919       14.87       8.919            V-C  4.1493E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186      2.9932E-20   17.18       9.931       17.18       9.931            V-C  4.1493E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785      3.0417E-20   19.26       10.93       19.26       10.93            V-C  4.1493E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381      3.0854E-20   21.48       11.91       21.48       11.91            V-C  4.1493E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976      3.1232E-20   23.67       12.88       23.67       12.88            V-C  4.1493E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570      3.1545E-20   25.71       13.85       25.71       13.85            V-C  4.1493E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163      3.1784E-20   27.86       14.82       27.86       14.82            V-C  4.1493E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756      3.1940E-20   29.98       15.78       29.98       15.78            V-C  4.1493E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349      3.2012E-20   32.10       16.74       32.10       16.74            V-C  4.1493E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941      3.1997E-20   34.11       17.70       34.11       17.70            V-C  4.1493E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53      3.1893E-20   36.20       18.66       36.20       18.66            V-C  4.1493E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13      3.1695E-20   38.29       19.63       38.29       19.63            V-C  4.1493E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72      3.1399E-20   40.29       20.59       40.29       20.59            V-C  4.1493E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31      3.1000E-20   42.36       21.55       42.36       21.55            V-C  4.1493E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90      3.0501E-20   44.43       22.51       44.43       22.51            V-C  4.1493E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49      2.9911E-20   46.43       23.47       46.43       23.47            V-C  4.1493E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09      2.9242E-20   48.48       24.43       48.48       24.43            V-C  4.1493E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68      2.8503E-20   50.54       25.39       50.54       25.39            V-C  4.1493E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27      2.7702E-20   52.59       26.36       52.59       26.36            V-C  4.1493E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86      2.6847E-20   54.58       27.32       54.58       27.32            V-C  4.1493E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46      2.5946E-20   56.63       28.28       56.63       28.28            V-C  4.1493E+04  -5.400       54.00
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1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0						
29 D	17.05	2.5003E-20	58.67	29.25	58.67	29.25	V-C	4.1493E+04	-5.600	56.00	
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0						
30 D	17.64	2.4027E-20	60.66	30.22	60.66	30.22	V-C	4.1493E+04	-5.800	58.00	
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0						
31 D	18.24	2.3038E-20	62.70	31.18	62.70	31.18	V-C	4.1493E+04	-6.000	60.00	
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0						
32 D	18.83	2.2059E-20	64.74	32.15	64.74	32.15	V-C	4.1493E+04	-6.200	62.00	
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0						
33 D	19.42	2.1110E-20	66.73	33.12	66.73	33.12	V-C	4.1493E+04	-6.400	64.00	
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0						
34 D	20.02	2.0195E-20	68.76	34.09	68.76	34.09	V-C	4.1493E+04	-6.600	66.00	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
35 D	20.61	1.9314E-20	70.79	35.06	70.79	35.06	V-C	4.1493E+04	-6.800	68.00	
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
36 D	21.21	1.8468E-20	72.82	36.03	72.82	36.03	V-C	4.1493E+04	-7.000	70.00	
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0						
37 D	21.80	1.7655E-20	74.81	37.00	74.81	37.00	V-C	4.1493E+04	-7.200	72.00	
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0						
38 D	22.39	1.6873E-20	76.84	37.97	76.84	37.97	V-C	4.1493E+04	-7.400	74.00	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
39 D	22.99	1.6120E-20	78.86	38.94	78.86	38.94	V-C	4.1493E+04	-7.600	76.00	
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0						
40 D	23.58	1.5390E-20	80.85	39.92	80.85	39.92	V-C	4.1493E+04	-7.800	78.00	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.18	1.4665E-20	82.88	40.89	82.88	40.89	V-C	4.1493E+04	-8.000	80.00	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
42 D	24.77	1.3938E-20	84.90	41.86	84.90	41.86	V-C	4.1493E+04	-8.200	82.00	
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0						
43 D	25.37	1.3204E-20	86.89	42.84	86.89	42.84	V-C	4.1493E+04	-8.400	84.00	
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0						
44 D	25.96	1.2457E-20	88.91	43.82	88.91	43.82	V-C	4.1493E+04	-8.600	86.00	
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0						
45 D	26.56	1.1692E-20	90.93	44.79	90.93	44.79	V-C	4.1493E+04	-8.800	88.00	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
46 D	27.15	1.0906E-20	92.96	45.77	92.96	45.77	V-C	4.1493E+04	-9.000	90.00	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
47 D	27.75	1.0109E-20	94.94	46.75	94.94	46.75	V-C	4.1493E+04	-9.200	92.00	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
48 D	28.35	9.3141E-21	96.96	47.73	96.96	47.73	V-C	4.1493E+04	-9.400	94.00	
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0						
49 D	28.94	8.5336E-21	98.98	48.71	98.98	48.71	V-C	4.1493E+04	-9.600	96.00	
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0						
50 D	29.54	7.7798E-21	101.0	49.69	101.0	49.69	V-C	4.1493E+04	-9.800	98.00	
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0						
51 D	30.13	7.0647E-21	103.0	50.67	103.0	50.67	V-C	4.1493E+04	-10.00	100.00	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
52 D	30.73	6.3998E-21	105.0	51.65	105.0	51.65	V-C	4.1493E+04	-10.20	102.0	
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0						
53 D	31.33	5.7963E-21	107.0	52.63	107.0	52.63	V-C	4.1493E+04	-10.40	104.0	
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0						
54 D	31.92	5.2649E-21	109.0	53.61	109.0	53.61	V-C	4.1493E+04	-10.60	106.0	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						
55 D	32.52	4.8163E-21	111.0	54.60	111.0	54.60	V-C	4.1493E+04	-10.80	108.0	
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0						
56 D	33.12	4.4606E-21	113.0	55.58	113.0	55.58	V-C	4.1493E+04	-11.00	110.0	
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0						
57 D	33.71	4.2078E-21	115.0	56.56	115.0	56.56	V-C	4.1493E+04	-11.20	112.0	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
58 D	34.31	4.0674E-21	117.0	57.55	117.0	57.55	V-C	4.1493E+04	-11.40	114.0	
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0						
59 D	34.91	4.0486E-21	119.1	58.53	119.1	58.53	V-C	4.1493E+04	-11.60	116.0	
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0						
60 D	35.50	4.1605E-21	121.1	59.52	121.1	59.52	V-C	4.1493E+04	-11.80	118.0	
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0						
61 D	36.10	4.4116E-21	123.1	60.50	123.1	60.50	V-C	4.1493E+04	-12.00	120.0	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
62 D	36.68	4.8102E-21	124.9	61.39	124.9	61.39	V-C	2.0584E+04	-12.20	122.0	
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0						
63 D	37.26	5.3642E-21	126.7	62.28	126.7	62.28	V-C	2.0584E+04	-12.40	124.0	
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0						
64 D	37.83	6.0813E-21	128.5	63.16	128.5	63.16	V-C	2.0584E+04	-12.60	126.0	
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0						
65 D	38.41	6.9690E-21	130.3	64.05	130.3	64.05	V-C	2.0584E+04	-12.80	128.0	
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0						
66 D	38.99	8.0344E-21	132.0	64.94	132.0	64.94	V-C	2.0584E+04	-13.00	130.0	
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0						
67 D	39.57	9.2845E-21	133.8	65.83	133.8	65.83	V-C	2.0584E+04	-13.20	132.0	
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0						
68 D	40.14	1.0726E-20	135.6	66.72	135.6	66.72	V-C	2.0584E+04	-13.40	134.0	
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0						

69	D	40.72	1.2365E-20	137.3	67.60	137.3	67.60	V-C	2.0584E+04	-13.60	136.0
1.000		1.000	203.6	0.000	0.000	Ug6_741_743_L_0					
70	D	41.30	1.4208E-20	139.1	68.49	139.1	68.49	V-C	2.0584E+04	-13.80	138.0
1.000		1.000	206.5	0.000	0.000	Ug6_741_743_L_0					
71	D	41.88	1.6260E-20	140.9	69.38	140.9	69.38	V-C	2.0584E+04	-14.00	140.0
1.000		1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
72	D	42.45	1.8521E-20	142.7	70.27	142.7	70.27	V-C	2.0584E+04	-14.20	142.0
1.000		1.000	212.3	0.000	0.000	Ug6_741_743_L_0					
73	D	43.03	2.0953E-20	144.4	71.16	144.4	71.16	V-C	2.0584E+04	-14.40	144.0
1.000		1.000	215.2	0.000	0.000	Ug6_741_743_L_0					
74	D	43.61	2.3489E-20	146.2	72.05	146.2	72.05	V-C	2.0584E+04	-14.60	146.0
1.000		1.000	218.1	0.000	0.000	Ug6_741_743_L_0					
75	D	44.19	2.6058E-20	148.0	72.94	148.0	72.94	V-C	2.0584E+04	-14.80	148.0
1.000		1.000	220.9	0.000	0.000	Ug6_741_743_L_0					
76	D	44.77	2.8622E-20	149.7	73.84	149.7	73.84	V-C	2.0584E+04	-15.00	150.0
1.000		1.000	223.8	0.000	0.000	Ug6_741_743_L_0					
77	D	45.35	3.1179E-20	151.5	74.73	151.5	74.73	V-C	2.0584E+04	-15.20	152.0
1.000		1.000	226.7	0.000	0.000	Ug6_741_743_L_0					
78	D	45.92	3.3731E-20	153.3	75.62	153.3	75.62	V-C	2.0584E+04	-15.40	154.0
1.000		1.000	229.6	0.000	0.000	Ug6_741_743_L_0					
79	D	46.50	3.6280E-20	155.1	76.51	155.1	76.51	V-C	2.0584E+04	-15.60	156.0
1.000		1.000	232.5	0.000	0.000	Ug6_741_743_L_0					
80	D	47.08	3.8827E-20	156.8	77.40	156.8	77.40	V-C	2.0584E+04	-15.80	158.0
1.000		1.000	235.4	0.000	0.000	Ug6_741_743_L_0					
81	D	23.83	4.1374E-20	158.6	78.29	158.6	78.29	V-C	2.0584E+04	-16.00	160.0
1.000		1.000	238.3	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -2.5292E-20   0.000       0.000       0.000       0.000            V-C  2.6477E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.7141     -2.5897E-20   2.000       1.570       2.000       1.570            V-C  2.6477E+04 -0.2000       2.000
1.000       1.000       3.570       0.000       0.000     Ug5_2_8_L_0
   3 D   1.411     -2.6501E-20   4.000       3.055       4.000       3.055            V-C  2.6477E+04 -0.4000       4.000
1.000       1.000       7.055       0.000       0.000     Ug5_2_8_L_0
   4 D   2.083     -2.7103E-20   6.000       4.413       6.000       4.413            V-C  2.6477E+04 -0.6000       6.000
1.000       1.000       10.41       0.000       0.000     Ug5_2_8_L_0
   5 D   2.730     -2.7700E-20   8.000       5.651       8.000       5.651            V-C  2.6477E+04 -0.8000       8.000
1.000       1.000       13.65       0.000       0.000     Ug5_2_8_L_0
   6 D   3.359     -2.8287E-20   10.00       6.797       10.00       6.797            V-C  2.6477E+04  -1.000       10.00
1.000       1.000       16.80       0.000       0.000     Ug5_2_8_L_0
   7 D   3.976     -2.8859E-20   12.00       7.879       12.00       7.879            V-C  2.6477E+04  -1.200       12.00
1.000       1.000       19.88       0.000       0.000     Ug5_2_8_L_0
   8 D   4.584     -2.9410E-20   14.00       8.919       14.00       8.919            V-C  2.6477E+04  -1.400       14.00
1.000       1.000       22.92       0.000       0.000     Ug5_2_8_L_0
   9 D   5.186     -2.9932E-20   16.00       9.931       16.00       9.931            V-C  2.6477E+04  -1.600       16.00
1.000       1.000       25.93       0.000       0.000     Ug5_2_8_L_0
  10 D   5.785     -3.0417E-20   18.00       10.93       18.00       10.93            V-C  2.6477E+04  -1.800       18.00
1.000       1.000       28.93       0.000       0.000     Ug5_2_8_L_0
  11 D   6.381     -3.0854E-20   20.00       11.91       20.00       11.91            V-C  2.6477E+04  -2.000       20.00
1.000       1.000       31.91       0.000       0.000     Ug5_2_8_L_0
  12 D   6.976     -3.1232E-20   22.00       12.88       22.00       12.88            V-C  2.6477E+04  -2.200       22.00
1.000       1.000       34.88       0.000       0.000     Ug5_2_8_L_0
  13 D   7.570     -3.1545E-20   24.00       13.85       24.00       13.85            V-C  2.6477E+04  -2.400       24.00
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.163     -3.1784E-20   26.00       14.82       26.00       14.82            V-C  2.6477E+04  -2.600       26.00
1.000       1.000       40.82       0.000       0.000     Ug5_2_8_L_0
  15 D   8.756     -3.1940E-20   28.00       15.78       28.00       15.78            V-C  2.6477E+04  -2.800       28.00
1.000       1.000       43.78       0.000       0.000     Ug5_2_8_L_0
  16 D   9.349     -3.2012E-20   30.00       16.74       30.00       16.74            V-C  2.6477E+04  -3.000       30.00
1.000       1.000       46.74       0.000       0.000     Ug5_2_8_L_0
  17 D   9.941     -3.1997E-20   32.00       17.70       32.00       17.70            V-C  2.6477E+04  -3.200       32.00
1.000       1.000       49.70       0.000       0.000     Ug5_2_8_L_0
  18 D   10.53     -3.1893E-20   34.00       18.66       34.00       18.66            V-C  2.6477E+04  -3.400       34.00
1.000       1.000       52.66       0.000       0.000     Ug5_2_8_L_0
  19 D   11.13     -3.1695E-20   36.00       19.63       36.00       19.63            V-C  2.6477E+04  -3.600       36.00
1.000       1.000       55.63       0.000       0.000     Ug5_2_8_L_0
  20 D   11.72     -3.1399E-20   38.00       20.59       38.00       20.59            V-C  2.6477E+04  -3.800       38.00
1.000       1.000       58.59       0.000       0.000     Ug5_2_8_L_0
  21 D   12.31     -3.1000E-20   40.00       21.55       40.00       21.55            V-C  2.6477E+04  -4.000       40.00
1.000       1.000       61.55       0.000       0.000     Ug5_2_8_L_0
  22 D   12.90     -3.0501E-20   42.00       22.51       42.00       22.51            V-C  2.6477E+04  -4.200       42.00
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  23 D   13.49     -2.9911E-20   44.00       23.47       44.00       23.47            V-C  2.6477E+04  -4.400       44.00
1.000       1.000       67.47       0.000       0.000     Ug5_2_8_L_0
  24 D   14.09     -2.9242E-20   46.00       24.43       46.00       24.43            V-C  2.6477E+04  -4.600       46.00
1.000       1.000       70.43       0.000       0.000     Ug5_2_8_L_0
  25 D   14.68     -2.8503E-20   48.00       25.39       48.00       25.39            V-C  2.6477E+04  -4.800       48.00
1.000       1.000       73.39       0.000       0.000     Ug5_2_8_L_0
  26 D   15.27     -2.7702E-20   50.00       26.36       50.00       26.36            V-C  2.6477E+04  -5.000       50.00
1.000       1.000       76.36       0.000       0.000     Ug5_2_8_L_0
  27 D   15.86     -2.6847E-20   52.00       27.32       52.00       27.32            V-C  2.6477E+04  -5.200       52.00
1.000       1.000       79.32       0.000       0.000     Ug5_2_8_L_0
  28 D   16.46     -2.5946E-20   54.00       28.28       54.00       28.28            V-C  2.6477E+04  -5.400       54.00
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1.000	1.000	82.28	0.000	0.000	Ug5_2_8_L_0							
29 D	17.05	-2.5003E-20	56.00	29.25	56.00	29.25	V-C	2.6477E+04	-5.600	56.00		
1.000	1.000	85.25	0.000	0.000	Ug5_2_8_L_0							
30 D	17.64	-2.4027E-20	58.00	30.22	58.00	30.22	V-C	2.6477E+04	-5.800	58.00		
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0							
31 D	18.24	-2.3038E-20	60.00	31.18	60.00	31.18	V-C	2.6477E+04	-6.000	60.00		
1.000	1.000	91.18	0.000	0.000	Ug5_2_8_L_0							
32 D	18.83	-2.2059E-20	62.00	32.15	62.00	32.15	V-C	2.6477E+04	-6.200	62.00		
1.000	1.000	94.15	0.000	0.000	Ug5_2_8_L_0							
33 D	19.42	-2.1110E-20	64.00	33.12	64.00	33.12	V-C	2.6477E+04	-6.400	64.00		
1.000	1.000	97.12	0.000	0.000	Ug5_2_8_L_0							
34 D	20.02	-2.0195E-20	66.00	34.09	66.00	34.09	V-C	2.6477E+04	-6.600	66.00		
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0							
35 D	20.61	-1.9314E-20	68.00	35.06	68.00	35.06	V-C	2.6477E+04	-6.800	68.00		
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0							
36 D	21.21	-1.8468E-20	70.00	36.03	70.00	36.03	V-C	2.6477E+04	-7.000	70.00		
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0							
37 D	21.80	-1.7655E-20	72.00	37.00	72.00	37.00	V-C	2.6477E+04	-7.200	72.00		
1.000	1.000	109.0	0.000	0.000	Ug5_2_8_L_0							
38 D	22.39	-1.6873E-20	74.00	37.97	74.00	37.97	V-C	2.6477E+04	-7.400	74.00		
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0							
39 D	22.99	-1.6120E-20	76.00	38.94	76.00	38.94	V-C	2.6477E+04	-7.600	76.00		
1.000	1.000	114.9	0.000	0.000	Ug5_2_8_L_0							
40 D	23.58	-1.5390E-20	78.00	39.92	78.00	39.92	V-C	2.6477E+04	-7.800	78.00		
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0							
41 D	24.18	-1.4665E-20	80.00	40.89	80.00	40.89	V-C	2.6477E+04	-8.000	80.00		
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0							
42 D	24.77	-1.3938E-20	82.00	41.86	82.00	41.86	V-C	2.6477E+04	-8.200	82.00		
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0							
43 D	25.37	-1.3204E-20	84.00	42.84	84.00	42.84	V-C	2.6477E+04	-8.400	84.00		
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0							
44 D	25.96	-1.2457E-20	86.00	43.82	86.00	43.82	V-C	2.6477E+04	-8.600	86.00		
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0							
45 D	26.56	-1.1692E-20	88.00	44.79	88.00	44.79	V-C	2.6477E+04	-8.800	88.00		
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0							
46 D	27.15	-1.0906E-20	90.00	45.77	90.00	45.77	V-C	2.6477E+04	-9.000	90.00		
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0							
47 D	27.75	-1.0109E-20	92.00	46.75	92.00	46.75	V-C	2.6477E+04	-9.200	92.00		
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0							
48 D	28.35	-9.3141E-21	94.00	47.73	94.00	47.73	V-C	2.6477E+04	-9.400	94.00		
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0							
49 D	28.94	-8.5336E-21	96.00	48.71	96.00	48.71	V-C	2.6477E+04	-9.600	96.00		
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0							
50 D	29.54	-7.7798E-21	98.00	49.69	98.00	49.69	V-C	2.6477E+04	-9.800	98.00		
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0							
51 D	30.13	-7.0647E-21	100.00	50.67	100.00	50.67	V-C	2.6477E+04	-10.00	100.00		
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0							
52 D	30.73	-6.3998E-21	102.0	51.65	102.0	51.65	V-C	2.6477E+04	-10.20	102.0		
1.000	1.000	153.6	0.000	0.000	Ug5_2_8_L_0							
53 D	31.33	-5.7963E-21	104.0	52.63	104.0	52.63	V-C	2.6477E+04	-10.40	104.0		
1.000	1.000	156.6	0.000	0.000	Ug5_2_8_L_0							
54 D	31.92	-5.2649E-21	106.0	53.61	106.0	53.61	V-C	2.6477E+04	-10.60	106.0		
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0							
55 D	32.52	-4.8163E-21	108.0	54.60	108.0	54.60	V-C	2.6477E+04	-10.80	108.0		
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0							
56 D	33.12	-4.4606E-21	110.0	55.58	110.0	55.58	V-C	2.6477E+04	-11.00	110.0		
1.000	1.000	165.6	0.000	0.000	Ug5_2_8_L_0							
57 D	33.71	-4.2078E-21	112.0	56.56	112.0	56.56	V-C	2.6477E+04	-11.20	112.0		
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0							
58 D	34.31	-4.0674E-21	114.0	57.55	114.0	57.55	V-C	2.6477E+04	-11.40	114.0		
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0							
59 D	34.91	-4.0486E-21	116.0	58.53	116.0	58.53	V-C	2.6477E+04	-11.60	116.0		
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0							
60 D	35.50	-4.1605E-21	118.0	59.52	118.0	59.52	V-C	2.6477E+04	-11.80	118.0		
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0							
61 D	36.10	-4.4116E-21	120.0	60.50	120.0	60.50	V-C	2.6477E+04	-12.00	120.0		
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0							
62 D	36.68	-4.8102E-21	121.8	61.39	121.8	61.39	V-C	1.9214E+04	-12.20	122.0		
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0							
63 D	37.26	-5.3642E-21	123.6	62.28	123.6	62.28	V-C	1.9214E+04	-12.40	124.0		
1.000	1.000	186.3	0.000	0.000	Ug6_741_743_L_0							
64 D	37.83	-6.0813E-21	125.4	63.16	125.4	63.16	V-C	1.9214E+04	-12.60	126.0		
1.000	1.000	189.2	0.000	0.000	Ug6_741_743_L_0							
65 D	38.41	-6.9690E-21	127.2	64.05	127.2	64.05	V-C	1.9214E+04	-12.80	128.0		
1.000	1.000	192.1	0.000	0.000	Ug6_741_743_L_0							
66 D	38.99	-8.0344E-21	129.0	64.94	129.0	64.94	V-C	1.9214E+04	-13.00	130.0		
1.000	1.000	194.9	0.000	0.000	Ug6_741_743_L_0							
67 D	39.57	-9.2845E-21	130.8	65.83	130.8	65.83	V-C	1.9214E+04	-13.20	132.0		
1.000	1.000	197.8	0.000	0.000	Ug6_741_743_L_0							
68 D	40.14	-1.0726E-20	132.6	66.72	132.6	66.72	V-C	1.9214E+04	-13.40	134.0		
1.000	1.000	200.7	0.000	0.000	Ug6_741_743_L_0							

69	D	40.72	-1.2365E-20	134.4	67.60	134.4	67.60	V-C	1.9214E+04	-13.60	136.0
1.000		1.000	203.6	0.000	0.000	Ug6_741_743_L_0					
70	D	41.30	-1.4208E-20	136.2	68.49	136.2	68.49	V-C	1.9214E+04	-13.80	138.0
1.000		1.000	206.5	0.000	0.000	Ug6_741_743_L_0					
71	D	41.88	-1.6260E-20	138.0	69.38	138.0	69.38	V-C	1.9214E+04	-14.00	140.0
1.000		1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
72	D	42.45	-1.8521E-20	139.8	70.27	139.8	70.27	V-C	1.9214E+04	-14.20	142.0
1.000		1.000	212.3	0.000	0.000	Ug6_741_743_L_0					
73	D	43.03	-2.0953E-20	141.6	71.16	141.6	71.16	V-C	1.9214E+04	-14.40	144.0
1.000		1.000	215.2	0.000	0.000	Ug6_741_743_L_0					
74	D	43.61	-2.3489E-20	143.4	72.05	143.4	72.05	V-C	1.9214E+04	-14.60	146.0
1.000		1.000	218.1	0.000	0.000	Ug6_741_743_L_0					
75	D	44.19	-2.6058E-20	145.2	72.94	145.2	72.94	V-C	1.9214E+04	-14.80	148.0
1.000		1.000	220.9	0.000	0.000	Ug6_741_743_L_0					
76	D	44.77	-2.8622E-20	147.0	73.84	147.0	73.84	V-C	1.9214E+04	-15.00	150.0
1.000		1.000	223.8	0.000	0.000	Ug6_741_743_L_0					
77	D	45.35	-3.1179E-20	148.8	74.73	148.8	74.73	V-C	1.9214E+04	-15.20	152.0
1.000		1.000	226.7	0.000	0.000	Ug6_741_743_L_0					
78	D	45.92	-3.3731E-20	150.6	75.62	150.6	75.62	V-C	1.9214E+04	-15.40	154.0
1.000		1.000	229.6	0.000	0.000	Ug6_741_743_L_0					
79	D	46.50	-3.6280E-20	152.4	76.51	152.4	76.51	V-C	1.9214E+04	-15.60	156.0
1.000		1.000	232.5	0.000	0.000	Ug6_741_743_L_0					
80	D	47.08	-3.8827E-20	154.2	77.40	154.2	77.40	V-C	1.9214E+04	-15.80	158.0
1.000		1.000	235.4	0.000	0.000	Ug6_741_743_L_0					
81	D	23.83	-4.1374E-20	156.0	78.29	156.0	78.29	V-C	1.9214E+04	-16.00	160.0
1.000		1.000	238.3	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1 1.02581E-16-1.02581E-16 1.07916E-27 2.05163E-17
    2 3.07941E-16-3.07941E-16-2.05163E-17 8.21044E-17
    3 5.13492E-16-5.13492E-16-8.21044E-17 1.84803E-16
    4 7.19226E-16-7.19226E-16-1.84803E-16 3.28648E-16
    5 9.25122E-16-9.25122E-16-3.28648E-16 5.13672E-16
    6 1.13114E-15-1.13114E-15-5.13672E-16 7.39901E-16
    7 1.33724E-15-1.33724E-15-7.39901E-16 1.00735E-15
    8 1.54333E-15-1.54333E-15-1.00735E-15 1.31601E-15
    9 1.74934E-15-1.74934E-15-1.31601E-15 1.66588E-15
   10 1.95513E-15-1.95513E-15-1.66588E-15 2.05691E-15
   11 1.27241E-15-1.27241E-15-2.05691E-15 2.31139E-15
   12 1.47737E-15-1.47737E-15-2.31139E-15 2.60687E-15
   13 1.68165E-15-1.68165E-15-2.60687E-15 2.94320E-15
   14 1.08696E-16-1.08696E-16-2.94320E-15 2.96493E-15
   15 3.11002E-16-3.11002E-16-2.96493E-15 3.02713E-15
   16 5.11978E-16-5.11978E-16-3.02713E-15 3.12953E-15
   17 7.11374E-16-7.11374E-16-3.12953E-15 3.27181E-15
   18 9.08932E-16-9.08932E-16-3.27181E-15 3.45359E-15
   19 1.10438E-15-1.10438E-15-3.45359E-15 3.67447E-15
   20-4.78913E-16 4.78913E-16-3.67447E-15 3.57869E-15
   21-2.06487E-15 2.06487E-15-3.57869E-15 3.16571E-15
   22-1.87741E-15 1.87741E-15-3.16571E-15 2.79023E-15
   23-1.69317E-15 1.69317E-15-2.79023E-15 2.45160E-15
   24-1.51241E-15 1.51241E-15-2.45160E-15 2.14911E-15
   25-1.33540E-15 1.33540E-15-2.14911E-15 1.88203E-15
   26-1.16238E-15 1.16238E-15-1.88203E-15 1.64956E-15
   27-9.93577E-16 9.93577E-16-1.64956E-15 1.45084E-15
   28-8.29216E-16 8.29216E-16-1.45084E-15 1.28500E-15
   29-4.22220E-15 4.22220E-15-1.28500E-15 4.40560E-16
   30-4.06729E-15 4.06729E-15-4.40560E-16-3.72897E-16
   31-3.91733E-15 3.91733E-15 3.72897E-16-1.15636E-15
   32-2.19754E-16 2.19754E-16 1.15636E-15-1.20031E-15
   33-8.00830E-17 8.00830E-17 1.20031E-15-1.21633E-15
   34 5.43171E-17-5.43171E-17 1.21633E-15-1.20546E-15
   35 1.83395E-16-1.83395E-16 1.20546E-15-1.16878E-15
   36 3.07126E-16-3.07126E-16 1.16878E-15-1.10736E-15
   37 4.25513E-16-4.25513E-16 1.10736E-15-1.02226E-15
   38 5.38586E-16-5.38586E-16 1.02226E-15-9.14540E-16
   39 4.19912E-15-4.19912E-15 9.14540E-16-7.47169E-17
   40 7.49049E-16-7.49049E-16 7.47169E-17 7.50930E-17
   41 8.46640E-16-8.46640E-16-7.50930E-17 2.44421E-16
   42 9.39317E-16-9.39317E-16-2.44421E-16 4.32284E-16
   43 1.02725E-15-1.02725E-15-4.32284E-16 6.37735E-16
   44 1.11064E-15-1.11064E-15-6.37735E-16 8.59862E-16
   45-2.36299E-15 2.36299E-15-8.59862E-16 3.87265E-16
   46-2.28796E-15 2.28796E-15-3.87265E-16-7.03272E-17
   47-2.21669E-15 2.21669E-15 7.03272E-17-5.13666E-16
   48-2.14887E-15 2.14887E-15 5.13666E-16-9.43440E-16
   49-2.08414E-15 2.08414E-15 9.43440E-16-1.36027E-15
   50-2.02214E-15 2.02214E-15 1.36027E-15-1.76469E-15
   51-1.96245E-15 1.96245E-15 1.76469E-15-2.15719E-15
   52-1.90464E-15 1.90464E-15 2.15719E-15-2.53810E-15
   53-1.84827E-15 1.84827E-15 2.53810E-15-2.90776E-15
   54-1.79285E-15 1.79285E-15 2.90776E-15-3.26633E-15
   55-1.73790E-15 1.73790E-15 3.26633E-15-3.61391E-15
   56-1.68290E-15 1.68290E-15 3.61391E-15-3.95049E-15
   57-1.62732E-15 1.62732E-15 3.95049E-15-4.27595E-15
   58-1.57064E-15 1.57064E-15 4.27595E-15-4.59008E-15
   59-1.51231E-15 1.51231E-15 4.59008E-15-4.89254E-15
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   60-1.45179E-15 1.45179E-15 4.89254E-15-5.18290E-15
   61-1.38857E-15 1.38857E-15 5.18290E-15-5.46061E-15
   62-1.34965E-15 1.34965E-15 5.46061E-15-5.73054E-15
   63-1.30853E-15 1.30853E-15 5.73054E-15-5.99224E-15
   64-1.26493E-15 1.26493E-15 5.99224E-15-6.24523E-15
   65-1.21856E-15 1.21856E-15 6.24523E-15-6.48894E-15
   66-1.16917E-15 1.16917E-15 6.48894E-15-6.72278E-15
   67-1.11651E-15 1.11651E-15 6.72278E-15-6.94608E-15
   68-1.06035E-15 1.06035E-15 6.94608E-15-7.15815E-15
   69-1.00048E-15 1.00048E-15 7.15815E-15-7.35825E-15
   70-9.36697E-16 9.36697E-16 7.35825E-15-7.54559E-15
   71 6.23659E-15-6.23659E-15 7.54559E-15-6.29827E-15
   72 1.34141E-14-1.34141E-14 6.29827E-15-3.61545E-15
   73 1.34905E-14-1.34905E-14 3.61545E-15-9.17341E-16
   74 6.46601E-15-6.46601E-15 9.17341E-16 3.75860E-16
   75-5.53975E-16 5.53975E-16-3.75860E-16 2.65065E-16
   76-4.63915E-16 4.63915E-16-2.65065E-16 1.72282E-16
   77-3.69193E-16 3.69193E-16-1.72282E-16 9.84431E-17
   78-2.69777E-16 2.69777E-16-9.84431E-17 4.44878E-17
   79-1.65645E-16 1.65645E-16-4.44878E-17 1.13587E-17
   80-5.67908E-17 5.67908E-17-1.13587E-17 1.31266E-27

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1606E-26
           RENORM= 302.6     REMNOR=0.4358E-52 RATIO =0.5168E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7546E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.5168E-01 RATIOR= 0.000
           MAX UN= 3.327     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.1026E-15 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1606E-26
           RENORM= 16.06     REMNOR=0.2770E-21 RATIO =0.1191E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7546E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1191E-01 RATIOR= 0.000
           MAX UN= 1.612     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3067E-10 IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1606E-26
           RENORM= 11.03     REMNOR=0.1657E-20 RATIO =0.9867E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7546E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.9867E-02 RATIOR= 0.000
           MAX UN= 1.904     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.2304E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1606E-26
           RENORM=0.3250     REMNOR=0.3919E-21 RATIO =0.1694E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 46.57     RMMAX =0.7546E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.1694E-02 RATIOR= 0.000
           MAX UN=0.4964     IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.1316E-09 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1133E+06 RIMNOR=0.1606E-26
           RENORM=0.1380E-03 REMNOR=0.2743E-21 RATIO =0.3490E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 46.57     RMMAX =0.7546E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.1133E+06 RDR   =0.1000E-19
           RATIOT=0.3490E-04 RATIOR= 0.000
           MAX UN=0.1175E-01 IEQ=    73 NODE     37 DOF   1  Y-DISPL.F
           MIN UN=-.1984E-09 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.4071210E-04  -8.1139219E-05
    2   4.2448426E-04  -8.1139219E-05
    3   4.0825691E-04  -8.1131827E-05
    4   3.9203350E-04  -8.1094828E-05
    5   3.7582342E-04  -8.0991101E-05
    6   3.5964498E-04  -8.0768538E-05
    7   3.4352841E-04  -8.0359989E-05
    8   3.2751679E-04  -7.9714356E-05
    9   3.1165898E-04  -7.8824070E-05
   10   2.9600265E-04  -7.7701558E-05
   11   2.8059300E-04  -7.6359420E-05
   12   2.6547267E-04  -7.4810381E-05
   13   2.5068179E-04  -7.3067131E-05
   14   2.3625791E-04  -7.1142481E-05
   15   2.2223603E-04  -6.9049402E-05
   16   2.0864851E-04  -6.6800973E-05
   17   1.9552505E-04  -6.4410444E-05
   18   1.8289283E-04  -6.1891443E-05
   19   1.7077610E-04  -5.9257985E-05
   20   1.5919630E-04  -5.6524521E-05
   21   1.4817201E-04  -5.3706095E-05
   22   1.3771854E-04  -5.0818385E-05
   23   1.2784818E-04  -4.7877809E-05
   24   1.1856979E-04  -4.4901624E-05
   25   1.0988869E-04  -4.1908040E-05
   26   1.0180645E-04  -3.8916255E-05
   27   9.4320751E-05  -3.5946572E-05
   28   8.7424957E-05  -3.3020489E-05
   29   8.1108124E-05  -3.0160884E-05
   30   7.5354700E-05  -2.7389826E-05
   31   7.0145064E-05  -2.4725714E-05
   32   6.5456360E-05  -2.2182775E-05
   33   6.1263202E-05  -1.9771473E-05
   34   5.7538514E-05  -1.7499022E-05
   35   5.4254048E-05  -1.5369745E-05
   36   5.1380948E-05  -1.3385479E-05
   37   4.8890219E-05  -1.1545953E-05
   38   4.6753058E-05  -9.8492520E-06
   39   4.4941226E-05  -8.2919311E-06
   40   4.3427334E-05  -6.8688790E-06
   41   4.2185151E-05  -5.5736836E-06
   42   4.1189830E-05  -4.3989548E-06
   43   4.0418076E-05  -3.3366167E-06
   44   3.9848257E-05  -2.3781720E-06
   45   3.9460462E-05  -1.5149430E-06
   46   3.9236512E-05  -7.3826681E-07
   47   3.9159947E-05  -3.9710737E-08
   48   3.9215956E-05   5.8877752E-07
   49   3.9391288E-05   1.1547160E-06
   50   3.9674128E-05   1.6649542E-06
   51   4.0053960E-05   2.1255663E-06
   52   4.0521404E-05   2.5417429E-06
   53   4.1067956E-05   2.9176523E-06
   54   4.1685967E-05   3.2564941E-06
   55   4.2368216E-05   3.5602738E-06
   56   4.3107795E-05   3.8298292E-06
   57   4.3897839E-05   4.0647585E-06
   58   4.4731277E-05   4.2633741E-06
   59   4.5600567E-05   4.4226651E-06
   60   4.6497431E-05   4.5382669E-06
   61   4.7412579E-05   4.6044375E-06
   62   4.8335435E-05   4.6140431E-06
   63   4.9254572E-05   4.5692952E-06
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64	5.0160310E-05	4.4819055E-06
65	5.1045200E-05	4.3625031E-06
66	5.1903814E-05	4.2206457E-06
67	5.2732529E-05	4.0648368E-06
68	5.3529317E-05	3.9025436E-06
69	5.4293544E-05	3.7402193E-06
70	5.5025766E-05	3.5833242E-06
71	5.5727535E-05	3.4363485E-06
72	5.6401203E-05	3.3028331E-06
73	5.7049740E-05	3.1853896E-06
74	5.7676544E-05	3.0857190E-06
75	5.8285266E-05	3.0046271E-06
76	5.8879628E-05	2.9420385E-06
77	5.9463252E-05	2.8970074E-06
78	6.0039481E-05	2.8677266E-06
79	6.0611215E-05	2.8515334E-06
80	6.1180733E-05	2.8449138E-06
81	6.1749556E-05	2.8435050E-06

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                              |
 |                                 Exe Time :24 May 2018       18:25:50                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -4.4071E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5193     -4.2448E-04   2.073      0.6612       2.073       1.603          ACTIVE   0.000      -0.2000       1.935
1.000       1.000       2.597       0.000       0.000     Ug5_2_8_L_0
   3 D   1.041     -4.0826E-04   4.186       1.335       4.186       3.119          ACTIVE   0.000      -0.4000       3.871
1.000       1.000       5.206       0.000       0.000     Ug5_2_8_L_0
   4 D   1.567     -3.9203E-04   6.351       2.026       6.351       4.509          ACTIVE   0.000      -0.6000       5.806
1.000       1.000       7.833       0.000       0.000     Ug5_2_8_L_0
   5 D   2.094     -3.7582E-04   8.555       2.729       8.555       5.780          ACTIVE   0.000      -0.8000       7.742
1.000       1.000       10.47       0.000       0.000     Ug5_2_8_L_0
   6 D   2.623     -3.5964E-04   10.78       3.438       10.78       6.958          ACTIVE   0.000       -1.000       9.677
1.000       1.000       13.12       0.000       0.000     Ug5_2_8_L_0
   7 D   3.152     -3.4353E-04   13.00       4.146       13.00       8.073          ACTIVE   0.000       -1.200       11.61
1.000       1.000       15.76       0.000       0.000     Ug5_2_8_L_0
   8 D   3.687     -3.2752E-04   15.33       4.889       15.33       9.145          ACTIVE   0.000       -1.400       13.55
1.000       1.000       18.44       0.000       0.000     Ug5_2_8_L_0
   9 D   4.226     -3.1166E-04   17.69       5.644       17.69       10.19          ACTIVE   0.000       -1.600       15.48
1.000       1.000       21.13       0.000       0.000     Ug5_2_8_L_0
  10 D   4.750     -2.9600E-04   19.84       6.331       19.84       11.22          ACTIVE   0.000       -1.800       17.42
1.000       1.000       23.75       0.000       0.000     Ug5_2_8_L_0
  11 D   5.283     -2.8059E-04   22.13       7.059       22.13       12.23          ACTIVE   0.000       -2.000       19.35
1.000       1.000       26.41       0.000       0.000     Ug5_2_8_L_0
  12 D   5.813     -2.6547E-04   24.38       7.777       24.38       13.24          ACTIVE   0.000       -2.200       21.29
1.000       1.000       29.07       0.000       0.000     Ug5_2_8_L_0
  13 D   6.335     -2.5068E-04   26.48       8.448       26.48       14.24          ACTIVE   0.000       -2.400       23.23
1.000       1.000       31.67       0.000       0.000     Ug5_2_8_L_0
  14 D   6.863     -2.3626E-04   28.70       9.154       28.70       15.24          ACTIVE   0.000       -2.600       25.16
1.000       1.000       34.32       0.000       0.000     Ug5_2_8_L_0
  15 D   7.390     -2.2224E-04   30.89       9.853       30.89       16.23          ACTIVE   0.000       -2.800       27.10
1.000       1.000       36.95       0.000       0.000     Ug5_2_8_L_0
  16 D   7.916     -2.0865E-04   33.06       10.55       33.06       17.23          ACTIVE   0.000       -3.000       29.03
1.000       1.000       39.58       0.000       0.000     Ug5_2_8_L_0
  17 D   8.435     -1.9553E-04   35.14       11.21       35.14       18.22          ACTIVE   0.000       -3.200       30.97
1.000       1.000       42.18       0.000       0.000     Ug5_2_8_L_0
  18 D   8.960     -1.8289E-04   37.30       11.90       37.30       19.21          ACTIVE   0.000       -3.400       32.90
1.000       1.000       44.80       0.000       0.000     Ug5_2_8_L_0
  19 D   9.485     -1.7078E-04   39.45       12.58       39.45       20.21          ACTIVE   0.000       -3.600       34.84
1.000       1.000       47.42       0.000       0.000     Ug5_2_8_L_0
  20 D   10.00     -1.5920E-04   41.51       13.24       41.51       21.20          ACTIVE   0.000       -3.800       36.77
1.000       1.000       50.02       0.000       0.000     Ug5_2_8_L_0
  21 D   10.53     -1.4817E-04   43.65       13.93       43.65       22.19          ACTIVE   0.000       -4.000       38.71
1.000       1.000       52.63       0.000       0.000     Ug5_2_8_L_0
  22 D   11.05     -1.3772E-04   45.78       14.61       45.78       23.18          ACTIVE   0.000       -4.200       40.65
1.000       1.000       55.25       0.000       0.000     Ug5_2_8_L_0
  23 D   11.57     -1.2785E-04   47.84       15.26       47.84       24.18          ACTIVE   0.000       -4.400       42.58
1.000       1.000       57.84       0.000       0.000     Ug5_2_8_L_0
  24 D   12.09     -1.1857E-04   49.97       15.94       49.97       25.17          ACTIVE   0.000       -4.600       44.52
1.000       1.000       60.46       0.000       0.000     Ug5_2_8_L_0
  25 D   12.61     -1.0989E-04   52.09       16.62       52.09       26.17          ACTIVE   0.000       -4.800       46.45
1.000       1.000       63.07       0.000       0.000     Ug5_2_8_L_0
  26 D   13.14     -1.0181E-04   54.20       17.29       54.20       27.16          ACTIVE   0.000       -5.000       48.39
1.000       1.000       65.68       0.000       0.000     Ug5_2_8_L_0
  27 D   13.65     -9.4321E-05   56.26       17.95       56.26       28.16          ACTIVE   0.000       -5.200       50.32
1.000       1.000       68.27       0.000       0.000     Ug5_2_8_L_0
  28 D   14.18     -8.7425E-05   58.37       18.62       58.37       29.16          ACTIVE   0.000       -5.400       52.26
```

1.000	1.000	70.88	0.000	0.000	Ug5_2_8_L_0						
29 D	14.85	-8.1108E-05	60.48	20.06	60.48	30.15	UL-RL	1.2448E+05	-5.600	54.19	
1.000	1.000	74.25	0.000	0.000	Ug5_2_8_L_0						
30 D	15.58	-7.5355E-05	62.53	21.77	62.53	31.15	UL-RL	1.2448E+05	-5.800	56.13	
1.000	1.000	77.90	0.000	0.000	Ug5_2_8_L_0						
31 D	16.30	-7.0145E-05	64.63	23.42	64.63	32.15	UL-RL	1.2448E+05	-6.000	58.06	
1.000	1.000	81.48	0.000	0.000	Ug5_2_8_L_0						
32 D	17.00	-6.5456E-05	66.74	25.00	66.74	33.15	UL-RL	1.2448E+05	-6.200	60.00	
1.000	1.000	85.00	0.000	0.000	Ug5_2_8_L_0						
33 D	17.69	-6.1263E-05	68.79	26.52	68.79	34.15	UL-RL	1.2448E+05	-6.400	61.94	
1.000	1.000	88.46	0.000	0.000	Ug5_2_8_L_0						
34 D	18.37	-5.7539E-05	70.89	27.99	70.89	35.15	UL-RL	1.2448E+05	-6.600	63.87	
1.000	1.000	91.86	0.000	0.000	Ug5_2_8_L_0						
35 D	19.04	-5.4254E-05	72.98	29.40	72.98	36.15	UL-RL	1.2448E+05	-6.800	65.81	
1.000	1.000	95.21	0.000	0.000	Ug5_2_8_L_0						
36 D	19.70	-5.1381E-05	75.08	30.76	75.08	37.16	UL-RL	1.2448E+05	-7.000	67.74	
1.000	1.000	98.50	0.000	0.000	Ug5_2_8_L_0						
37 D	20.35	-4.8890E-05	77.13	32.07	77.13	38.16	UL-RL	1.2448E+05	-7.200	69.68	
1.000	1.000	101.8	0.000	0.000	Ug5_2_8_L_0						
38 D	20.99	-4.6753E-05	79.22	33.34	79.22	39.16	UL-RL	1.2448E+05	-7.400	71.61	
1.000	1.000	105.0	0.000	0.000	Ug5_2_8_L_0						
39 D	21.62	-4.4941E-05	81.32	34.57	81.32	40.17	UL-RL	1.2448E+05	-7.600	73.55	
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0						
40 D	22.25	-4.3427E-05	83.37	35.77	83.37	41.17	UL-RL	1.2448E+05	-7.800	75.48	
1.000	1.000	111.3	0.000	0.000	Ug5_2_8_L_0						
41 D	22.87	-4.2185E-05	85.46	36.93	85.46	42.18	UL-RL	1.2448E+05	-8.000	77.42	
1.000	1.000	114.3	0.000	0.000	Ug5_2_8_L_0						
42 D	23.48	-4.1190E-05	87.55	38.06	87.55	43.19	UL-RL	1.2448E+05	-8.200	79.35	
1.000	1.000	117.4	0.000	0.000	Ug5_2_8_L_0						
43 D	24.09	-4.0418E-05	89.60	39.16	89.60	44.19	UL-RL	1.2448E+05	-8.400	81.29	
1.000	1.000	120.5	0.000	0.000	Ug5_2_8_L_0						
44 D	24.69	-3.9848E-05	91.69	40.24	91.69	45.20	UL-RL	1.2448E+05	-8.600	83.23	
1.000	1.000	123.5	0.000	0.000	Ug5_2_8_L_0						
45 D	25.29	-3.9460E-05	93.77	41.30	93.77	46.21	UL-RL	1.2448E+05	-8.800	85.16	
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0						
46 D	25.89	-3.9237E-05	95.86	42.34	95.86	47.22	UL-RL	1.2448E+05	-9.000	87.10	
1.000	1.000	129.4	0.000	0.000	Ug5_2_8_L_0						
47 D	26.48	-3.9160E-05	97.91	43.36	97.91	48.23	UL-RL	1.2448E+05	-9.200	89.03	
1.000	1.000	132.4	0.000	0.000	Ug5_2_8_L_0						
48 D	27.07	-3.9216E-05	100.00	44.36	100.00	49.24	UL-RL	1.2448E+05	-9.400	90.97	
1.000	1.000	135.3	0.000	0.000	Ug5_2_8_L_0						
49 D	27.65	-3.9391E-05	102.1	45.35	102.1	50.26	UL-RL	1.2448E+05	-9.600	92.90	
1.000	1.000	138.3	0.000	0.000	Ug5_2_8_L_0						
50 D	28.23	-3.9674E-05	104.1	46.33	104.1	51.27	UL-RL	1.2448E+05	-9.800	94.84	
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0						
51 D	28.81	-4.0054E-05	106.2	47.29	106.2	52.28	UL-RL	1.2448E+05	-10.00	96.77	
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0						
52 D	29.39	-4.0521E-05	108.3	48.25	108.3	53.29	UL-RL	1.2448E+05	-10.20	98.71	
1.000	1.000	147.0	0.000	0.000	Ug5_2_8_L_0						
53 D	29.97	-4.1068E-05	110.3	49.20	110.3	54.31	UL-RL	1.2448E+05	-10.40	100.6	
1.000	1.000	149.8	0.000	0.000	Ug5_2_8_L_0						
54 D	30.54	-4.1686E-05	112.4	50.13	112.4	55.32	UL-RL	1.2448E+05	-10.60	102.6	
1.000	1.000	152.7	0.000	0.000	Ug5_2_8_L_0						
55 D	31.12	-4.2368E-05	114.5	51.06	114.5	56.34	UL-RL	1.2448E+05	-10.80	104.5	
1.000	1.000	155.6	0.000	0.000	Ug5_2_8_L_0						
56 D	31.69	-4.3108E-05	116.6	51.99	116.6	57.35	UL-RL	1.2448E+05	-11.00	106.5	
1.000	1.000	158.4	0.000	0.000	Ug5_2_8_L_0						
57 D	32.26	-4.3898E-05	118.6	52.90	118.6	58.37	UL-RL	1.2448E+05	-11.20	108.4	
1.000	1.000	161.3	0.000	0.000	Ug5_2_8_L_0						
58 D	32.83	-4.4731E-05	120.7	53.82	120.7	59.39	UL-RL	1.2448E+05	-11.40	110.3	
1.000	1.000	164.1	0.000	0.000	Ug5_2_8_L_0						
59 D	33.40	-4.5601E-05	122.8	54.73	122.8	60.40	UL-RL	1.2448E+05	-11.60	112.3	
1.000	1.000	167.0	0.000	0.000	Ug5_2_8_L_0						
60 D	33.97	-4.6497E-05	124.9	55.63	124.9	61.42	UL-RL	1.2448E+05	-11.80	114.2	
1.000	1.000	169.8	0.000	0.000	Ug5_2_8_L_0						
61 D	34.53	-4.7413E-05	126.9	56.54	126.9	62.44	UL-RL	1.2448E+05	-12.00	116.1	
1.000	1.000	172.7	0.000	0.000	Ug5_2_8_L_0						
62 D	35.69	-4.8335E-05	128.8	60.37	128.8	63.36	UL-RL	6.1752E+04	-12.20	118.1	
1.000	1.000	178.4	0.000	0.000	Ug6_741_743_L_0						
63 D	36.25	-4.9255E-05	130.7	61.23	130.7	64.28	UL-RL	6.1752E+04	-12.40	120.0	
1.000	1.000	181.2	0.000	0.000	Ug6_741_743_L_0						
64 D	36.81	-5.0160E-05	132.5	62.10	132.5	65.20	UL-RL	6.1752E+04	-12.60	121.9	
1.000	1.000	184.0	0.000	0.000	Ug6_741_743_L_0						
65 D	37.37	-5.1045E-05	134.4	62.96	134.4	66.12	UL-RL	6.1752E+04	-12.80	123.9	
1.000	1.000	186.8	0.000	0.000	Ug6_741_743_L_0						
66 D	37.93	-5.1904E-05	136.2	63.83	136.2	67.04	UL-RL	6.1752E+04	-13.00	125.8	
1.000	1.000	189.6	0.000	0.000	Ug6_741_743_L_0						
67 D	38.49	-5.2733E-05	138.1	64.70	138.1	67.96	UL-RL	6.1752E+04	-13.20	127.7	
1.000	1.000	192.4	0.000	0.000	Ug6_741_743_L_0						
68 D	39.05	-5.3529E-05	139.9	65.57	139.9	68.88	UL-RL	6.1752E+04	-13.40	129.7	
1.000	1.000	195.2	0.000	0.000	Ug6_741_743_L_0						

69 D	39.61	-5.4294E-05	141.7	66.44	141.7	69.80	UL-RL	6.1752E+04	-13.60	131.6
1.000	1.000	198.1	0.000	0.000	Ug6_741_743_L_0					
70 D	40.17	-5.5026E-05	143.6	67.32	143.6	70.72	UL-RL	6.1752E+04	-13.80	133.5
1.000	1.000	200.9	0.000	0.000	Ug6_741_743_L_0					
71 D	40.74	-5.5728E-05	145.4	68.20	145.4	71.64	UL-RL	6.1752E+04	-14.00	135.5
1.000	1.000	203.7	0.000	0.000	Ug6_741_743_L_0					
72 D	41.30	-5.6401E-05	147.2	69.08	147.2	72.56	UL-RL	6.1752E+04	-14.20	137.4
1.000	1.000	206.5	0.000	0.000	Ug6_741_743_L_0					
73 D	41.86	-5.7050E-05	149.1	69.96	149.1	73.49	UL-RL	6.1752E+04	-14.40	139.4
1.000	1.000	209.3	0.000	0.000	Ug6_741_743_L_0					
74 D	42.43	-5.7677E-05	150.9	70.85	150.9	74.41	UL-RL	6.1752E+04	-14.60	141.3
1.000	1.000	212.1	0.000	0.000	Ug6_741_743_L_0					
75 D	42.99	-5.8285E-05	152.7	71.73	152.7	75.33	UL-RL	6.1752E+04	-14.80	143.2
1.000	1.000	215.0	0.000	0.000	Ug6_741_743_L_0					
76 D	43.56	-5.8880E-05	154.6	72.62	154.6	76.25	UL-RL	6.1752E+04	-15.00	145.2
1.000	1.000	217.8	0.000	0.000	Ug6_741_743_L_0					
77 D	44.12	-5.9463E-05	156.4	73.51	156.4	77.18	UL-RL	6.1752E+04	-15.20	147.1
1.000	1.000	220.6	0.000	0.000	Ug6_741_743_L_0					
78 D	44.69	-6.0039E-05	158.3	74.39	158.3	78.10	UL-RL	6.1752E+04	-15.40	149.0
1.000	1.000	223.4	0.000	0.000	Ug6_741_743_L_0					
79 D	45.25	-6.0611E-05	160.1	75.28	160.1	79.03	UL-RL	6.1752E+04	-15.60	151.0
1.000	1.000	226.3	0.000	0.000	Ug6_741_743_L_0					
80 D	45.82	-6.1181E-05	161.9	76.17	161.9	79.95	UL-RL	6.1752E+04	-15.80	152.9
1.000	1.000	229.1	0.000	0.000	Ug6_741_743_L_0					
81 D	23.19	-6.1750E-05	163.8	77.06	163.8	80.88	UL-RL	6.1752E+04	-16.00	154.8
1.000	1.000	231.9	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      3.5964E-04   0.000       0.000       10.00       6.797       PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.185      3.4353E-04   1.935       8.861       12.00       8.861       PASSIVE   0.000      -1.200       2.065
1.000       1.000       10.93       0.000       0.000     Ug5_2_8_L_0
   8 D   4.123      3.2752E-04   3.871       16.48       14.00       16.48          V-C  2.6477E+04  -1.400       4.129
1.000       1.000       20.61       0.000       0.000     Ug5_2_8_L_0
   9 D   4.663      3.1166E-04   5.806       17.12       16.00       17.12          V-C  2.6477E+04  -1.600       6.194
1.000       1.000       23.32       0.000       0.000     Ug5_2_8_L_0
  10 D   5.198      2.9600E-04   7.742       17.73       18.00       17.73          V-C  2.6477E+04  -1.800       8.258
1.000       1.000       25.99       0.000       0.000     Ug5_2_8_L_0
  11 D   5.729      2.8059E-04   9.677       18.32       20.00       18.32          V-C  2.6477E+04  -2.000       10.32
1.000       1.000       28.64       0.000       0.000     Ug5_2_8_L_0
  12 D   6.259      2.6547E-04   11.61       18.91       22.00       18.91          V-C  2.6477E+04  -2.200       12.39
1.000       1.000       31.30       0.000       0.000     Ug5_2_8_L_0
  13 D   6.789      2.5068E-04   13.55       19.49       24.00       19.49          V-C  2.6477E+04  -2.400       14.45
1.000       1.000       33.95       0.000       0.000     Ug5_2_8_L_0
  14 D   7.320      2.3626E-04   15.48       20.08       26.00       20.08          V-C  2.6477E+04  -2.600       16.52
1.000       1.000       36.60       0.000       0.000     Ug5_2_8_L_0
  15 D   7.852      2.2224E-04   17.42       20.68       28.00       20.68          V-C  2.6477E+04  -2.800       18.58
1.000       1.000       39.26       0.000       0.000     Ug5_2_8_L_0
  16 D   8.386      2.0865E-04   19.35       21.28       30.00       21.28          V-C  2.6477E+04  -3.000       20.65
1.000       1.000       41.93       0.000       0.000     Ug5_2_8_L_0
  17 D   8.922      1.9553E-04   21.29       21.90       32.00       21.90          V-C  2.6477E+04  -3.200       22.71
1.000       1.000       44.61       0.000       0.000     Ug5_2_8_L_0
  18 D   9.460      1.8289E-04   23.23       22.52       34.00       22.52          V-C  2.6477E+04  -3.400       24.77
1.000       1.000       47.30       0.000       0.000     Ug5_2_8_L_0
  19 D   10.00      1.7078E-04   25.16       23.16       36.00       23.16          V-C  2.6477E+04  -3.600       26.84
1.000       1.000       50.00       0.000       0.000     Ug5_2_8_L_0
  20 D   10.54      1.5920E-04   27.10       23.82       38.00       23.82          V-C  2.6477E+04  -3.800       28.90
1.000       1.000       52.72       0.000       0.000     Ug5_2_8_L_0
  21 D   11.09      1.4817E-04   29.03       24.48       40.00       24.48          V-C  2.6477E+04  -4.000       30.97
1.000       1.000       55.45       0.000       0.000     Ug5_2_8_L_0
  22 D   11.64      1.3772E-04   30.97       25.16       42.00       25.16          V-C  2.6477E+04  -4.200       33.03
1.000       1.000       58.20       0.000       0.000     Ug5_2_8_L_0
  23 D   12.19      1.2785E-04   32.90       25.86       44.00       25.86          V-C  2.6477E+04  -4.400       35.10
1.000       1.000       60.96       0.000       0.000     Ug5_2_8_L_0
  24 D   12.75      1.1857E-04   34.84       26.58       46.00       26.58          V-C  2.6477E+04  -4.600       37.16
1.000       1.000       63.74       0.000       0.000     Ug5_2_8_L_0
  25 D   13.31      1.0989E-04   36.77       27.30       48.00       27.30          V-C  2.6477E+04  -4.800       39.23
1.000       1.000       66.53       0.000       0.000     Ug5_2_8_L_0
  26 D   13.87      1.0181E-04   38.71       28.05       50.00       28.05          V-C  2.6477E+04  -5.000       41.29
1.000       1.000       69.34       0.000       0.000     Ug5_2_8_L_0
  27 D   14.43      9.4321E-05   40.65       28.81       52.00       28.81          V-C  2.6477E+04  -5.200       43.35
1.000       1.000       72.17       0.000       0.000     Ug5_2_8_L_0
  28 D   15.00      8.7425E-05   42.58       29.59       54.00       29.59          V-C  2.6477E+04  -5.400       45.42
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1.000	1.000	75.01	0.000	0.000	Ug5_2_8_L_0						
29 D	15.57	8.1108E-05	44.52	30.39	56.00	30.39	V-C	2.6477E+04	-5.600	47.48	
1.000	1.000	77.87	0.000	0.000	Ug5_2_8_L_0						
30 D	16.15	7.5355E-05	46.45	31.19	58.00	31.19	V-C	2.6477E+04	-5.800	49.55	
1.000	1.000	80.74	0.000	0.000	Ug5_2_8_L_0						
31 D	16.73	7.0145E-05	48.39	32.02	60.00	32.02	V-C	2.6477E+04	-6.000	51.61	
1.000	1.000	83.63	0.000	0.000	Ug5_2_8_L_0						
32 D	17.31	6.5456E-05	50.32	32.86	62.00	32.86	V-C	2.6477E+04	-6.200	53.68	
1.000	1.000	86.54	0.000	0.000	Ug5_2_8_L_0						
33 D	17.89	6.1263E-05	52.26	33.71	64.00	33.71	V-C	2.6477E+04	-6.400	55.74	
1.000	1.000	89.45	0.000	0.000	Ug5_2_8_L_0						
34 D	18.48	5.7539E-05	54.19	34.58	66.00	34.58	V-C	2.6477E+04	-6.600	57.81	
1.000	1.000	92.38	0.000	0.000	Ug5_2_8_L_0						
35 D	19.07	5.4254E-05	56.13	35.46	68.00	35.46	V-C	2.6477E+04	-6.800	59.87	
1.000	1.000	95.33	0.000	0.000	Ug5_2_8_L_0						
36 D	19.66	5.1381E-05	58.06	36.35	70.00	36.35	V-C	2.6477E+04	-7.000	61.94	
1.000	1.000	98.28	0.000	0.000	Ug5_2_8_L_0						
37 D	20.25	4.8890E-05	60.00	37.25	72.00	37.25	V-C	2.6477E+04	-7.200	64.00	
1.000	1.000	101.2	0.000	0.000	Ug5_2_8_L_0						
38 D	20.84	4.6753E-05	61.94	38.12	74.00	38.17	UL-RL	7.9432E+04	-7.400	66.06	
1.000	1.000	104.2	0.000	0.000	Ug5_2_8_L_0						
39 D	21.42	4.4941E-05	63.87	38.97	76.00	39.13	UL-RL	7.9432E+04	-7.600	68.13	
1.000	1.000	107.1	0.000	0.000	Ug5_2_8_L_0						
40 D	22.01	4.3427E-05	65.81	39.83	78.00	40.09	UL-RL	7.9432E+04	-7.800	70.19	
1.000	1.000	110.0	0.000	0.000	Ug5_2_8_L_0						
41 D	22.60	4.2185E-05	67.74	40.72	80.00	41.05	UL-RL	7.9432E+04	-8.000	72.26	
1.000	1.000	113.0	0.000	0.000	Ug5_2_8_L_0						
42 D	23.19	4.1190E-05	69.68	41.63	82.00	42.02	UL-RL	7.9432E+04	-8.200	74.32	
1.000	1.000	115.9	0.000	0.000	Ug5_2_8_L_0						
43 D	23.79	4.0418E-05	71.61	42.55	84.00	42.98	UL-RL	7.9432E+04	-8.400	76.39	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
44 D	24.39	3.9848E-05	73.55	43.49	86.00	43.95	UL-RL	7.9432E+04	-8.600	78.45	
1.000	1.000	121.9	0.000	0.000	Ug5_2_8_L_0						
45 D	24.99	3.9460E-05	75.48	44.44	88.00	44.91	UL-RL	7.9432E+04	-8.800	80.52	
1.000	1.000	125.0	0.000	0.000	Ug5_2_8_L_0						
46 D	25.60	3.9237E-05	77.42	45.40	90.00	45.88	UL-RL	7.9432E+04	-9.000	82.58	
1.000	1.000	128.0	0.000	0.000	Ug5_2_8_L_0						
47 D	26.20	3.9160E-05	79.35	46.37	92.00	46.85	UL-RL	7.9432E+04	-9.200	84.65	
1.000	1.000	131.0	0.000	0.000	Ug5_2_8_L_0						
48 D	26.81	3.9216E-05	81.29	47.35	94.00	47.83	UL-RL	7.9432E+04	-9.400	86.71	
1.000	1.000	134.1	0.000	0.000	Ug5_2_8_L_0						
49 D	27.42	3.9391E-05	83.23	48.34	96.00	48.80	UL-RL	7.9432E+04	-9.600	88.77	
1.000	1.000	137.1	0.000	0.000	Ug5_2_8_L_0						
50 D	28.04	3.9674E-05	85.16	49.34	98.00	49.78	UL-RL	7.9432E+04	-9.800	90.84	
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0						
51 D	28.65	4.0054E-05	87.10	50.34	100.00	50.75	UL-RL	7.9432E+04	-10.00	92.90	
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0						
52 D	29.26	4.0521E-05	89.03	51.34	102.0	51.74	UL-RL	7.9432E+04	-10.20	94.97	
1.000	1.000	146.3	0.000	0.000	Ug5_2_8_L_0						
53 D	29.88	4.1068E-05	90.97	52.35	104.0	52.72	UL-RL	7.9432E+04	-10.40	97.03	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
54 D	30.49	4.1686E-05	92.90	53.36	106.0	53.70	UL-RL	7.9432E+04	-10.60	99.10	
1.000	1.000	152.5	0.000	0.000	Ug5_2_8_L_0						
55 D	31.11	4.2368E-05	94.84	54.38	108.0	54.69	UL-RL	7.9432E+04	-10.80	101.2	
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0						
56 D	31.72	4.3108E-05	96.77	55.39	110.0	55.68	UL-RL	7.9432E+04	-11.00	103.2	
1.000	1.000	158.6	0.000	0.000	Ug5_2_8_L_0						
57 D	32.34	4.3898E-05	98.71	56.41	112.0	56.67	UL-RL	7.9432E+04	-11.20	105.3	
1.000	1.000	161.7	0.000	0.000	Ug5_2_8_L_0						
58 D	32.96	4.4731E-05	100.6	57.43	114.0	57.66	UL-RL	7.9432E+04	-11.40	107.4	
1.000	1.000	164.8	0.000	0.000	Ug5_2_8_L_0						
59 D	33.57	4.5601E-05	102.6	58.45	116.0	58.65	UL-RL	7.9432E+04	-11.60	109.4	
1.000	1.000	167.9	0.000	0.000	Ug5_2_8_L_0						
60 D	34.19	4.6497E-05	104.5	59.47	118.0	59.65	UL-RL	7.9432E+04	-11.80	111.5	
1.000	1.000	171.0	0.000	0.000	Ug5_2_8_L_0						
61 D	34.81	4.7413E-05	106.5	60.49	120.0	60.65	UL-RL	7.9432E+04	-12.00	113.5	
1.000	1.000	174.0	0.000	0.000	Ug5_2_8_L_0						
62 D	35.26	4.8335E-05	108.2	60.67	121.8	61.39	UL-RL	5.7643E+04	-12.20	115.6	
1.000	1.000	176.3	0.000	0.000	Ug6_741_743_L_0						
63 D	35.85	4.9255E-05	109.9	61.60	123.6	62.28	UL-RL	5.7643E+04	-12.40	117.7	
1.000	1.000	179.3	0.000	0.000	Ug6_741_743_L_0						
64 D	36.45	5.0160E-05	111.7	62.52	125.4	63.16	UL-RL	5.7643E+04	-12.60	119.7	
1.000	1.000	182.3	0.000	0.000	Ug6_741_743_L_0						
65 D	37.05	5.1045E-05	113.4	63.44	127.2	64.05	UL-RL	5.7643E+04	-12.80	121.8	
1.000	1.000	185.2	0.000	0.000	Ug6_741_743_L_0						
66 D	37.65	5.1904E-05	115.1	64.36	129.0	64.94	UL-RL	5.7643E+04	-13.00	123.9	
1.000	1.000	188.2	0.000	0.000	Ug6_741_743_L_0						
67 D	38.24	5.2733E-05	116.9	65.28	130.8	65.83	UL-RL	5.7643E+04	-13.20	125.9	
1.000	1.000	191.2	0.000	0.000	Ug6_741_743_L_0						
68 D	38.84	5.3529E-05	118.6	66.20	132.6	66.72	UL-RL	5.7643E+04	-13.40	128.0	
1.000	1.000	194.2	0.000	0.000	Ug6_741_743_L_0						

69 D	39.44	5.4294E-05	120.3	67.12	134.4	67.60	UL-RL	5.7643E+04	-13.60	130.1
1.000	1.000	197.2	0.000	0.000	Ug6_741_743_L_0					
70 D	40.03	5.5026E-05	122.1	68.04	136.2	68.49	UL-RL	5.7643E+04	-13.80	132.1
1.000	1.000	200.2	0.000	0.000	Ug6_741_743_L_0					
71 D	40.63	5.5728E-05	123.8	68.95	138.0	69.38	UL-RL	5.7643E+04	-14.00	134.2
1.000	1.000	203.1	0.000	0.000	Ug6_741_743_L_0					
72 D	41.22	5.6401E-05	125.5	69.86	139.8	70.27	UL-RL	5.7643E+04	-14.20	136.3
1.000	1.000	206.1	0.000	0.000	Ug6_741_743_L_0					
73 D	41.82	5.7050E-05	127.3	70.78	141.6	71.16	UL-RL	5.7643E+04	-14.40	138.3
1.000	1.000	209.1	0.000	0.000	Ug6_741_743_L_0					
74 D	42.41	5.7677E-05	129.0	71.69	143.4	72.05	UL-RL	5.7643E+04	-14.60	140.4
1.000	1.000	212.1	0.000	0.000	Ug6_741_743_L_0					
75 D	43.01	5.8285E-05	130.7	72.60	145.2	72.94	UL-RL	5.7643E+04	-14.80	142.5
1.000	1.000	215.0	0.000	0.000	Ug6_741_743_L_0					
76 D	43.60	5.8880E-05	132.5	73.51	147.0	73.84	UL-RL	5.7643E+04	-15.00	144.5
1.000	1.000	218.0	0.000	0.000	Ug6_741_743_L_0					
77 D	44.20	5.9463E-05	134.2	74.42	148.8	74.73	UL-RL	5.7643E+04	-15.20	146.6
1.000	1.000	221.0	0.000	0.000	Ug6_741_743_L_0					
78 D	44.79	6.0039E-05	136.0	75.32	150.6	75.62	UL-RL	5.7643E+04	-15.40	148.6
1.000	1.000	224.0	0.000	0.000	Ug6_741_743_L_0					
79 D	45.39	6.0611E-05	137.7	76.23	152.4	76.51	UL-RL	5.7643E+04	-15.60	150.7
1.000	1.000	226.9	0.000	0.000	Ug6_741_743_L_0					
80 D	45.98	6.1181E-05	139.4	77.14	154.2	77.40	UL-RL	5.7643E+04	-15.80	152.8
1.000	1.000	229.9	0.000	0.000	Ug6_741_743_L_0					
81 D	23.29	6.1750E-05	141.2	78.05	156.0	78.29	UL-RL	5.7643E+04	-16.00	154.8
1.000	1.000	232.9	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T    T I M E    I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 6.80000E-12-6.80000E-12 6.90781E-13 6.99461E-13
    2 0.51933    -0.51933    -3.29605E-12 0.10387
    3  1.5606     -1.5606    -0.10387     0.41598
    4  3.1271     -3.1271    -0.41598      1.0414
    5  5.2213     -5.2213     -1.0414      2.0857
    6  7.8443     -7.8443     -2.0857      3.6545
    7  8.8111     -8.8111     -3.6545      5.4167
    8  8.3759     -8.3759     -5.4167      7.0919
    9  7.9382     -7.9382     -7.0919      8.6796
   10  7.4906     -7.4906     -8.6796      10.178
   11  7.0445     -7.0445     -10.178      11.587
   12  6.5989     -6.5989     -11.587      12.906
   13  6.1446     -6.1446     -12.906      14.135
   14  5.6877     -5.6877     -14.135      15.273
   15  5.2258     -5.2258     -15.273      16.318
   16  4.7560     -4.7560     -16.318      17.269
   17  4.2700     -4.2700     -17.269      18.123
   18  3.7707     -3.7707     -18.123      18.877
   19  3.2549     -3.2549     -18.877      19.528
   20  2.7147     -2.7147     -19.528      20.071
   21  2.1516     -2.1516     -20.071      20.502
   22  1.5623     -1.5623     -20.502      20.814
   23 0.93921    -0.93921     -20.814      21.002
   24 0.28311    -0.28311     -21.002      21.059
   25-0.40951     0.40951     -21.059      20.977
   26 -1.1421      1.1421     -20.977      20.748
   27 -1.9218      1.9218     -20.748      20.364
   28 -2.7483      2.7483     -20.364      19.814
   29 -3.4722      3.4722     -19.814      19.120
   30 -4.0409      4.0409     -19.120      18.312
   31 -4.4708      4.4708     -18.312      17.417
   32 -4.7778      4.7778     -17.417      16.462
   33 -4.9766      4.9766     -16.462      15.467
   34 -5.0815      5.0815     -15.467      14.450
   35 -5.1057      5.1057     -14.450      13.429
   36 -5.0617      5.0617     -13.429      12.417
   37 -4.9726      4.9726     -12.417      11.422
   38 -4.8189      4.8189     -11.422      10.458
   39 -4.6136      4.6136     -10.458      9.5357
   40 -4.3685      4.3685     -9.5357      8.6620
   41 -4.0944      4.0944     -8.6620      7.8431
   42 -3.8011      3.8011     -7.8431      7.0829
   43 -3.4975      3.4975     -7.0829      6.3834
   44 -3.1912      3.1912     -6.3834      5.7452
   45 -2.8895      2.8895     -5.7452      5.1673
   46 -2.5985      2.5985     -5.1673      4.6476
   47 -2.3238      2.3238     -4.6476      4.1828
   48 -2.0704      2.0704     -4.1828      3.7687
   49 -1.8425      1.8425     -3.7687      3.4002
   50 -1.6440      1.6440     -3.4002      3.0714
   51 -1.4783      1.4783     -3.0714      2.7758
   52 -1.3484      1.3484     -2.7758      2.5061
   53 -1.2570      1.2570     -2.5061      2.2547
   54 -1.2062      1.2062     -2.2547      2.0135
   55 -1.1981      1.1981     -2.0135      1.7738
   56 -1.2344      1.2344     -1.7738      1.5270
   57 -1.3166      1.3166     -1.5270      1.2636
   58 -1.4459      1.4459     -1.2636     0.97444
   59 -1.6233      1.6233    -0.97444     0.64979
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   60 -1.8493      1.8493    -0.64979     0.27992
   61 -2.1244      2.1244    -0.27992    -0.14496
   62 -1.6940      1.6940     0.14496    -0.48375
   63 -1.3017      1.3017     0.48375    -0.74409
   64-0.94726     0.94726     0.74409    -0.93354
   65-0.63021     0.63021     0.93354     -1.0596
   66-0.34990     0.34990      1.0596     -1.1296
   67-0.10561     0.10561      1.1296     -1.1507
   68 0.10342    -0.10342      1.1507     -1.1300
   69 0.27799    -0.27799      1.1300     -1.0744
   70 0.41885    -0.41885      1.0744    -0.99063
   71 0.52674    -0.52674     0.99063    -0.88528
   72 0.60233    -0.60233     0.88528    -0.76482
   73 0.64623    -0.64623     0.76482    -0.63557
   74 0.65895    -0.65895     0.63557    -0.50378
   75 0.64093    -0.64093     0.50378    -0.37560
   76 0.59251    -0.59251     0.37560    -0.25710
   77 0.51396    -0.51396     0.25710    -0.15430
   78 0.40545    -0.40545     0.15430    -7.32132E-02
   79 0.26710    -0.26710     7.32132E-02-1.97927E-02
   80 9.89586E-02-9.89586E-02 1.97927E-02 1.53788E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1053E+06 RIMNOR=0.1851E+05
           RENORM= 391.3     REMNOR=0.2743E-21 RATIO =0.6095E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.27     RMMAX = 21.06
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1053E+06 RDR   =0.1851E+05
           RATIOT=0.6095E-01 RATIOR= 0.000
           MAX UN= 5.660     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3441E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1053E+06 RIMNOR=0.1851E+05
           RENORM= 108.3     REMNOR=0.1863E-20 RATIO =0.3207E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.27     RMMAX = 21.06
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1053E+06 RDR   =0.1851E+05
           RATIOT=0.3207E-01 RATIOR= 0.000
           MAX UN= 2.783     IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.2491E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1053E+06 RIMNOR=0.1851E+05
           RENORM= 38.56     REMNOR=0.5193E-19 RATIO =0.1913E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.27     RMMAX = 21.06
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1053E+06 RDR   =0.1851E+05
           RATIOT=0.1913E-01 RATIOR= 0.000
           MAX UN= 3.602     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           MIN UN=-.8550E-09 IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1053E+06 RIMNOR=0.1851E+05
           RENORM=0.6530     REMNOR=0.3297E-19 RATIO =0.2490E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 45.27     RMMAX = 21.06
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1053E+06 RDR   =0.1851E+05
           RATIOT=0.2490E-02 RATIOR= 0.000
           MAX UN=0.6611     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7381E-09 IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1053E+06 RIMNOR=0.1851E+05
           RENORM=0.4631E-17 REMNOR=0.2445E-19 RATIO =0.6631E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 45.27     RMMAX = 21.06
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1053E+06 RDR   =0.1851E+05
           RATIOT=0.6631E-11 RATIOR= 0.000
           MAX UN=0.1031E-08 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           MIN UN=-.1131E-08 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
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New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.6620503E-03  -4.0937891E-04
    2   2.5801746E-03  -4.0937891E-04
    3   2.4982993E-03  -4.0937165E-04
    4   2.4164278E-03  -4.0933532E-04
    5   2.3345695E-03  -4.0923346E-04
    6   2.2527422E-03  -4.0901490E-04
    7   2.1709757E-03  -4.0861369E-04
    8   2.0893143E-03  -4.0794909E-04
    9   2.0078200E-03  -4.0692549E-04
   10   1.9265754E-03  -4.0543224E-04
   11   1.8456868E-03  -4.0334386E-04
   12   1.7652869E-03  -4.0052006E-04
   13   1.6855361E-03  -3.9683609E-04
   14   1.6066151E-03  -3.9221330E-04
   15   1.5287155E-03  -3.8661917E-04
   16   1.4520313E-03  -3.8006723E-04
   17   1.3767482E-03  -3.7261706E-04
   18   1.3030379E-03  -3.6435873E-04
   19   1.2310523E-03  -3.5538646E-04
   20   1.1609251E-03  -3.4578840E-04
   21   1.0927735E-03  -3.3564696E-04
   22   1.0266977E-03  -3.2503882E-04
   23   9.6278429E-04  -3.1403544E-04
   24   9.0110548E-04  -3.0270316E-04
   25   8.4172085E-04  -2.9110356E-04
   26   7.8467808E-04  -2.7929367E-04
   27   7.3001415E-04  -2.6732634E-04
   28   6.7775506E-04  -2.5525037E-04
   29   6.2791822E-04  -2.4311115E-04
   30   5.8051202E-04  -2.3095069E-04
   31   5.3553675E-04  -2.1880806E-04
   32   4.9298538E-04  -2.0671974E-04
   33   4.5284319E-04  -1.9471967E-04
   34   4.1508949E-04  -1.8283993E-04
   35   3.7969717E-04  -1.7111085E-04
   36   3.4663319E-04  -1.5956129E-04
   37   3.1585899E-04  -1.4821904E-04
   38   2.8733012E-04  -1.3711089E-04
   39   2.6099726E-04  -1.2626329E-04
   40   2.3680569E-04  -1.1570232E-04
   41   2.1469548E-04  -1.0545413E-04
   42   1.9460143E-04  -9.5545151E-05
   43   1.7645301E-04  -8.6002331E-05
   44   1.6017423E-04  -7.6853432E-05
   45   1.4568352E-04  -6.8127301E-05
   46   1.3289346E-04  -5.9850040E-05
   47   1.2171230E-04  -5.2040828E-05
   48   1.1204513E-04  -4.4711620E-05
   49   1.0379526E-04  -3.7868291E-05
   50   9.6865399E-05  -3.1511691E-05
   51   9.1158427E-05  -2.5638011E-05
   52   8.6578439E-05  -2.0239012E-05
   53   8.3031981E-05  -1.5303380E-05
   54   8.0427390E-05  -1.0815982E-05
   55   7.8676773E-05  -6.7608168E-06
   56   7.7695397E-05  -3.1206459E-06
   57   7.7402019E-05   1.2208616E-07
   58   7.7718885E-05   2.9846187E-06
   59   7.8571609E-05   5.4832920E-06
   60   7.9888940E-05   7.6330336E-06
   61   8.1602431E-05   9.4469097E-06
   62   8.3646034E-05   1.0935739E-05
   63   8.5956726E-05   1.2124553E-05
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64	8.8478473E-05	1.3052636E-05
65	9.1162857E-05	1.3756871E-05
66	9.3968590E-05	1.4271642E-05
67	9.6861004E-05	1.4628759E-05
68	9.9811529E-05	1.4857407E-05
69	1.0279717E-04	1.4984110E-05
70	1.0579997E-04	1.5032712E-05
71	1.0880646E-04	1.5024366E-05
72	1.1180715E-04	1.4977535E-05
73	1.1479596E-04	1.4907996E-05
74	1.1776970E-04	1.4828846E-05
75	1.2072755E-04	1.4750519E-05
76	1.2367049E-04	1.4680791E-05
77	1.2660078E-04	1.4624795E-05
78	1.2952149E-04	1.4585031E-05
79	1.3243587E-04	1.4561370E-05
80	1.3534692E-04	1.4551062E-05
81	1.3825697E-04	1.4548739E-05

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.6621E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5100     -2.5802E-03   2.141      0.6831       2.141       1.603          ACTIVE   0.000     -0.2000       1.867
1.000       1.000       2.550       0.000       0.000     Ug5_2_8_L_0
   3 D   1.023     -2.4983E-03   4.323       1.379       4.323       3.119          ACTIVE   0.000     -0.4000       3.733
1.000       1.000       5.113       0.000       0.000     Ug5_2_8_L_0
   4 D   1.538     -2.4164E-03   6.558       2.092       6.558       4.509          ACTIVE   0.000     -0.6000       5.600
1.000       1.000       7.692       0.000       0.000     Ug5_2_8_L_0
   5 D   2.057     -2.3346E-03   8.831       2.817       8.831       5.780          ACTIVE   0.000     -0.8000       7.467
1.000       1.000       10.28       0.000       0.000     Ug5_2_8_L_0
   6 D   2.576     -2.2527E-03   11.12       3.547       11.12       6.958          ACTIVE   0.000      -1.000       9.333
1.000       1.000       12.88       0.000       0.000     Ug5_2_8_L_0
   7 D   3.096     -2.1710E-03   13.41       4.278       13.41       8.073          ACTIVE   0.000      -1.200       11.20
1.000       1.000       15.48       0.000       0.000     Ug5_2_8_L_0
   8 D   3.622     -2.0893E-03   15.81       5.043       15.81       9.145          ACTIVE   0.000      -1.400       13.07
1.000       1.000       18.11       0.000       0.000     Ug5_2_8_L_0
   9 D   4.151     -2.0078E-03   18.24       5.819       18.24       10.19          ACTIVE   0.000      -1.600       14.93
1.000       1.000       20.75       0.000       0.000     Ug5_2_8_L_0
  10 D   4.666     -1.9266E-03   20.46       6.528       20.46       11.22          ACTIVE   0.000      -1.800       16.80
1.000       1.000       23.33       0.000       0.000     Ug5_2_8_L_0
  11 D   5.189     -1.8457E-03   22.82       7.279       22.82       12.23          ACTIVE   0.000      -2.000       18.67
1.000       1.000       25.95       0.000       0.000     Ug5_2_8_L_0
  12 D   5.710     -1.7653E-03   25.14       8.019       25.14       13.24          ACTIVE   0.000      -2.200       20.53
1.000       1.000       28.55       0.000       0.000     Ug5_2_8_L_0
  13 D   6.222     -1.6855E-03   27.31       8.712       27.31       14.24          ACTIVE   0.000      -2.400       22.40
1.000       1.000       31.11       0.000       0.000     Ug5_2_8_L_0
  14 D   6.741     -1.6066E-03   29.59       9.439       29.59       15.24          ACTIVE   0.000      -2.600       24.27
1.000       1.000       33.71       0.000       0.000     Ug5_2_8_L_0
  15 D   7.259     -1.5287E-03   31.85       10.16       31.85       16.23          ACTIVE   0.000      -2.800       26.13
1.000       1.000       36.29       0.000       0.000     Ug5_2_8_L_0
  16 D   7.775     -1.4520E-03   34.10       10.88       34.10       17.23          ACTIVE   0.000      -3.000       28.00
1.000       1.000       38.88       0.000       0.000     Ug5_2_8_L_0
  17 D   8.285     -1.3767E-03   36.24       11.56       36.24       18.22          ACTIVE   0.000      -3.200       29.87
1.000       1.000       41.43       0.000       0.000     Ug5_2_8_L_0
  18 D   8.801     -1.3030E-03   38.47       12.27       38.47       19.21          ACTIVE   0.000      -3.400       31.73
1.000       1.000       44.00       0.000       0.000     Ug5_2_8_L_0
  19 D   9.316     -1.2311E-03   40.69       12.98       40.69       20.21          ACTIVE   0.000      -3.600       33.60
1.000       1.000       46.58       0.000       0.000     Ug5_2_8_L_0
  20 D   9.825     -1.1609E-03   42.82       13.66       42.82       21.20          ACTIVE   0.000      -3.800       35.47
1.000       1.000       49.13       0.000       0.000     Ug5_2_8_L_0
  21 D   10.34     -1.0928E-03   45.03       14.36       45.03       22.19          ACTIVE   0.000      -4.000       37.33
1.000       1.000       51.70       0.000       0.000     Ug5_2_8_L_0
  22 D   10.85     -1.0267E-03   47.23       15.07       47.23       23.18          ACTIVE   0.000      -4.200       39.20
1.000       1.000       54.27       0.000       0.000     Ug5_2_8_L_0
  23 D   11.36     -9.6278E-04   49.36       15.75       49.36       24.18          ACTIVE   0.000      -4.400       41.07
1.000       1.000       56.81       0.000       0.000     Ug5_2_8_L_0
  24 D   11.88     -9.0111E-04   51.55       16.44       51.55       25.17          ACTIVE   0.000      -4.600       42.93
1.000       1.000       59.38       0.000       0.000     Ug5_2_8_L_0
  25 D   12.39     -8.4172E-04   53.74       17.14       53.74       26.17          ACTIVE   0.000      -4.800       44.80
1.000       1.000       61.94       0.000       0.000     Ug5_2_8_L_0
  26 D   12.90     -7.8468E-04   55.92       17.84       55.92       27.16          ACTIVE   0.000      -5.000       46.67
1.000       1.000       64.51       0.000       0.000     Ug5_2_8_L_0
  27 D   13.41     -7.3001E-04   58.05       18.52       58.05       28.16          ACTIVE   0.000      -5.200       48.53
1.000       1.000       67.05       0.000       0.000     Ug5_2_8_L_0
  28 D   13.92     -6.7776E-04   60.23       19.21       60.23       29.16          ACTIVE   0.000      -5.400       50.40
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1.000	1.000	69.61	0.000	0.000	Ug5_2_8_L_0						
29 D	14.43	-6.2792E-04	62.40	19.91	62.40	30.15	ACTIVE	0.000	-5.600	52.27	
1.000	1.000	72.17	0.000	0.000	Ug5_2_8_L_0						
30 D	14.94	-5.8051E-04	64.53	20.58	64.53	31.15	ACTIVE	0.000	-5.800	54.13	
1.000	1.000	74.72	0.000	0.000	Ug5_2_8_L_0						
31 D	15.46	-5.3554E-04	66.70	21.28	66.70	32.15	ACTIVE	0.000	-6.000	56.00	
1.000	1.000	77.28	0.000	0.000	Ug5_2_8_L_0						
32 D	15.97	-4.9299E-04	68.87	21.97	68.87	33.15	ACTIVE	0.000	-6.200	57.87	
1.000	1.000	79.84	0.000	0.000	Ug5_2_8_L_0						
33 D	16.48	-4.5284E-04	70.99	22.65	70.99	34.15	ACTIVE	0.000	-6.400	59.73	
1.000	1.000	82.38	0.000	0.000	Ug5_2_8_L_0						
34 D	16.99	-4.1509E-04	73.16	23.34	73.16	35.15	ACTIVE	0.000	-6.600	61.60	
1.000	1.000	84.94	0.000	0.000	Ug5_2_8_L_0						
35 D	17.50	-3.7970E-04	75.32	24.03	75.32	36.15	ACTIVE	0.000	-6.800	63.47	
1.000	1.000	87.50	0.000	0.000	Ug5_2_8_L_0						
36 D	18.01	-3.4663E-04	77.49	24.72	77.49	37.16	ACTIVE	0.000	-7.000	65.33	
1.000	1.000	90.05	0.000	0.000	Ug5_2_8_L_0						
37 D	18.52	-3.1586E-04	79.61	25.40	79.61	38.16	ACTIVE	0.000	-7.200	67.20	
1.000	1.000	92.60	0.000	0.000	Ug5_2_8_L_0						
38 D	19.03	-2.8733E-04	81.77	26.09	81.77	39.16	ACTIVE	0.000	-7.400	69.07	
1.000	1.000	95.15	0.000	0.000	Ug5_2_8_L_0						
39 D	19.54	-2.6100E-04	83.93	26.77	83.93	40.17	ACTIVE	0.000	-7.600	70.93	
1.000	1.000	97.71	0.000	0.000	Ug5_2_8_L_0						
40 D	20.05	-2.3681E-04	86.05	27.45	86.05	41.17	ACTIVE	0.000	-7.800	72.80	
1.000	1.000	100.3	0.000	0.000	Ug5_2_8_L_0						
41 D	20.56	-2.1470E-04	88.21	28.14	88.21	42.18	ACTIVE	0.000	-8.000	74.67	
1.000	1.000	102.8	0.000	0.000	Ug5_2_8_L_0						
42 D	21.07	-1.9460E-04	90.37	28.83	90.37	43.19	ACTIVE	0.000	-8.200	76.53	
1.000	1.000	105.4	0.000	0.000	Ug5_2_8_L_0						
43 D	21.58	-1.7645E-04	92.49	29.50	92.49	44.19	ACTIVE	0.000	-8.400	78.40	
1.000	1.000	107.9	0.000	0.000	Ug5_2_8_L_0						
44 D	22.09	-1.6017E-04	94.65	30.19	94.65	45.20	ACTIVE	0.000	-8.600	80.27	
1.000	1.000	110.5	0.000	0.000	Ug5_2_8_L_0						
45 D	22.87	-1.4568E-04	96.80	32.24	96.80	46.21	UL-RL	9.9584E+04	-8.800	82.13	
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0						
46 D	23.71	-1.3289E-04	98.96	34.56	98.96	47.22	UL-RL	9.9584E+04	-9.000	84.00	
1.000	1.000	118.6	0.000	0.000	Ug5_2_8_L_0						
47 D	24.52	-1.2171E-04	101.1	36.72	101.1	48.23	UL-RL	9.9584E+04	-9.200	85.87	
1.000	1.000	122.6	0.000	0.000	Ug5_2_8_L_0						
48 D	25.29	-1.1205E-04	103.2	38.73	103.2	49.24	UL-RL	9.9584E+04	-9.400	87.73	
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0						
49 D	26.04	-1.0380E-04	105.4	40.59	105.4	50.26	UL-RL	9.9584E+04	-9.600	89.60	
1.000	1.000	130.2	0.000	0.000	Ug5_2_8_L_0						
50 D	26.76	-9.6865E-05	107.5	42.32	107.5	51.27	UL-RL	9.9584E+04	-9.800	91.47	
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0						
51 D	27.45	-9.1158E-05	109.7	43.93	109.7	52.28	UL-RL	9.9584E+04	-10.00	93.33	
1.000	1.000	137.3	0.000	0.000	Ug5_2_8_L_0						
52 D	28.12	-8.6578E-05	111.8	45.42	111.8	53.29	UL-RL	9.9584E+04	-10.20	95.20	
1.000	1.000	140.6	0.000	0.000	Ug5_2_8_L_0						
53 D	28.77	-8.3032E-05	113.9	46.81	113.9	54.31	UL-RL	9.9584E+04	-10.40	97.07	
1.000	1.000	143.9	0.000	0.000	Ug5_2_8_L_0						
54 D	29.41	-8.0427E-05	116.1	48.10	116.1	55.32	UL-RL	9.9584E+04	-10.60	98.93	
1.000	1.000	147.0	0.000	0.000	Ug5_2_8_L_0						
55 D	30.02	-7.8677E-05	118.2	49.31	118.2	56.34	UL-RL	9.9584E+04	-10.80	100.8	
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0						
56 D	30.62	-7.7695E-05	120.4	50.44	120.4	57.35	UL-RL	9.9584E+04	-11.00	102.7	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
57 D	31.21	-7.7402E-05	122.5	51.50	122.5	58.37	UL-RL	9.9584E+04	-11.20	104.5	
1.000	1.000	156.0	0.000	0.000	Ug5_2_8_L_0						
58 D	31.78	-7.7719E-05	124.6	52.49	124.6	59.39	UL-RL	9.9584E+04	-11.40	106.4	
1.000	1.000	158.9	0.000	0.000	Ug5_2_8_L_0						
59 D	32.34	-7.8572E-05	126.8	53.44	126.8	60.40	UL-RL	9.9584E+04	-11.60	108.3	
1.000	1.000	161.7	0.000	0.000	Ug5_2_8_L_0						
60 D	32.89	-7.9889E-05	128.9	54.34	128.9	61.42	UL-RL	9.9584E+04	-11.80	110.1	
1.000	1.000	164.5	0.000	0.000	Ug5_2_8_L_0						
61 D	33.44	-8.1602E-05	131.1	55.20	131.1	62.44	UL-RL	9.9584E+04	-12.00	112.0	
1.000	1.000	167.2	0.000	0.000	Ug5_2_8_L_0						
62 D	34.92	-8.3646E-05	133.0	60.73	133.0	63.36	UL-RL	4.9402E+04	-12.20	113.9	
1.000	1.000	174.6	0.000	0.000	Ug6_741_743_L_0						
63 D	35.46	-8.5957E-05	135.0	61.55	135.0	64.28	UL-RL	4.9402E+04	-12.40	115.7	
1.000	1.000	177.3	0.000	0.000	Ug6_741_743_L_0						
64 D	35.99	-8.8478E-05	136.9	62.37	136.9	65.20	UL-RL	4.9402E+04	-12.60	117.6	
1.000	1.000	180.0	0.000	0.000	Ug6_741_743_L_0						
65 D	36.53	-9.1163E-05	138.8	63.18	138.8	66.12	UL-RL	4.9402E+04	-12.80	119.5	
1.000	1.000	182.6	0.000	0.000	Ug6_741_743_L_0						
66 D	37.06	-9.3969E-05	140.7	63.99	140.7	67.04	UL-RL	4.9402E+04	-13.00	121.3	
1.000	1.000	185.3	0.000	0.000	Ug6_741_743_L_0						
67 D	37.60	-9.6861E-05	142.6	64.79	142.6	67.96	UL-RL	4.9402E+04	-13.20	123.2	
1.000	1.000	188.0	0.000	0.000	Ug6_741_743_L_0						
68 D	38.13	-9.9812E-05	144.5	65.59	144.5	68.88	UL-RL	4.9402E+04	-13.40	125.1	
1.000	1.000	190.7	0.000	0.000	Ug6_741_743_L_0						

69 D	38.66	-1.0280E-04	146.4	66.39	146.4	69.80	UL-RL	4.9402E+04	-13.60	126.9
1.000	1.000	193.3	0.000	0.000	Ug6_741_743_L_0					
70 D	39.20	-1.0580E-04	148.3	67.19	148.3	70.72	UL-RL	4.9402E+04	-13.80	128.8
1.000	1.000	196.0	0.000	0.000	Ug6_741_743_L_0					
71 D	39.73	-1.0881E-04	150.2	67.99	150.2	71.64	UL-RL	4.9402E+04	-14.00	130.7
1.000	1.000	198.7	0.000	0.000	Ug6_741_743_L_0					
72 D	40.26	-1.1181E-04	152.1	68.79	152.1	72.56	UL-RL	4.9402E+04	-14.20	132.5
1.000	1.000	201.3	0.000	0.000	Ug6_741_743_L_0					
73 D	40.80	-1.1480E-04	154.0	69.59	154.0	73.49	UL-RL	4.9402E+04	-14.40	134.4
1.000	1.000	204.0	0.000	0.000	Ug6_741_743_L_0					
74 D	41.33	-1.1777E-04	155.9	70.39	155.9	74.41	UL-RL	4.9402E+04	-14.60	136.3
1.000	1.000	206.7	0.000	0.000	Ug6_741_743_L_0					
75 D	41.87	-1.2073E-04	157.8	71.19	157.8	75.33	UL-RL	4.9402E+04	-14.80	138.1
1.000	1.000	209.3	0.000	0.000	Ug6_741_743_L_0					
76 D	42.40	-1.2367E-04	159.7	72.00	159.7	76.25	UL-RL	4.9402E+04	-15.00	140.0
1.000	1.000	212.0	0.000	0.000	Ug6_741_743_L_0					
77 D	42.93	-1.2660E-04	161.7	72.80	161.7	77.18	UL-RL	4.9402E+04	-15.20	141.9
1.000	1.000	214.7	0.000	0.000	Ug6_741_743_L_0					
78 D	43.47	-1.2952E-04	163.6	73.61	163.6	78.10	UL-RL	4.9402E+04	-15.40	143.7
1.000	1.000	217.3	0.000	0.000	Ug6_741_743_L_0					
79 D	44.00	-1.3244E-04	165.5	74.42	165.5	79.03	UL-RL	4.9402E+04	-15.60	145.6
1.000	1.000	220.0	0.000	0.000	Ug6_741_743_L_0					
80 D	44.54	-1.3535E-04	167.4	75.23	167.4	79.95	UL-RL	4.9402E+04	-15.80	147.5
1.000	1.000	222.7	0.000	0.000	Ug6_741_743_L_0					
81 D	22.54	-1.3826E-04	169.3	76.04	169.3	80.88	UL-RL	4.9402E+04	-16.00	149.3
1.000	1.000	225.4	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
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New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.8457E-03   0.000       0.000       20.00       18.32         PASSIVE   0.000       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.136      1.7653E-03   1.867       8.546       22.00       18.91         PASSIVE   0.000       -2.200       2.133
1.000       1.000       10.68       0.000       0.000     Ug5_2_8_L_0
  13 D   4.272      1.6855E-03   3.733       17.09       24.00       19.49         PASSIVE   0.000       -2.400       4.267
1.000       1.000       21.36       0.000       0.000     Ug5_2_8_L_0
  14 D   6.407      1.6066E-03   5.600       25.64       26.00       25.64         PASSIVE   0.000       -2.600       6.400
1.000       1.000       32.04       0.000       0.000     Ug5_2_8_L_0
  15 D   8.543      1.5287E-03   7.467       34.18       28.00       34.18         PASSIVE   0.000       -2.800       8.533
1.000       1.000       42.72       0.000       0.000     Ug5_2_8_L_0
  16 D   10.68      1.4520E-03   9.333       42.73       30.00       42.73         PASSIVE   0.000       -3.000       10.67
1.000       1.000       53.39       0.000       0.000     Ug5_2_8_L_0
  17 D   11.70      1.3767E-03   11.20       45.72       32.00       45.72             V-C   2.1182E+04  -3.200       12.80
1.000       1.000       58.52       0.000       0.000     Ug5_2_8_L_0
  18 D   12.00      1.3030E-03   13.07       45.08       34.00       45.08             V-C   2.1182E+04  -3.400       14.93
1.000       1.000       60.01       0.000       0.000     Ug5_2_8_L_0
  19 D   12.31      1.2311E-03   14.93       44.47       36.00       44.47             V-C   2.1182E+04  -3.600       17.07
1.000       1.000       61.54       0.000       0.000     Ug5_2_8_L_0
  20 D   12.62      1.1609E-03   16.80       43.90       38.00       43.90             V-C   2.1182E+04  -3.800       19.20
1.000       1.000       63.10       0.000       0.000     Ug5_2_8_L_0
  21 D   12.94      1.0928E-03   18.67       43.37       40.00       43.37             V-C   2.1182E+04  -4.000       21.33
1.000       1.000       64.70       0.000       0.000     Ug5_2_8_L_0
  22 D   13.27      1.0267E-03   20.53       42.88       42.00       42.88             V-C   2.1182E+04  -4.200       23.47
1.000       1.000       66.35       0.000       0.000     Ug5_2_8_L_0
  23 D   13.61      9.6278E-04   22.40       42.44       44.00       42.44             V-C   2.1182E+04  -4.400       25.60
1.000       1.000       68.04       0.000       0.000     Ug5_2_8_L_0
  24 D   13.96      9.0111E-04   24.27       42.05       46.00       42.05             V-C   2.1182E+04  -4.600       27.73
1.000       1.000       69.78       0.000       0.000     Ug5_2_8_L_0
  25 D   14.31      8.4172E-04   26.13       41.71       48.00       41.71             V-C   2.1182E+04  -4.800       29.87
1.000       1.000       71.57       0.000       0.000     Ug5_2_8_L_0
  26 D   14.68      7.8468E-04   28.00       41.42       50.00       41.42             V-C   2.1182E+04  -5.000       32.00
1.000       1.000       73.42       0.000       0.000     Ug5_2_8_L_0
  27 D   15.06      7.3001E-04   29.87       41.18       52.00       41.18             V-C   2.1182E+04  -5.200       34.13
1.000       1.000       75.32       0.000       0.000     Ug5_2_8_L_0
  28 D   15.45      6.7776E-04   31.73       41.00       54.00       41.00             V-C   2.1182E+04  -5.400       36.27
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1.000	1.000	77.27	0.000	0.000	Ug5_2_8_L_0						
29 D	15.86	6.2792E-04	33.60	40.88	56.00	40.88	V-C	2.1182E+04	-5.600	38.40	
1.000	1.000	79.28	0.000	0.000	Ug5_2_8_L_0						
30 D	16.27	5.8051E-04	35.47	40.80	58.00	40.80	V-C	2.1182E+04	-5.800	40.53	
1.000	1.000	81.34	0.000	0.000	Ug5_2_8_L_0						
31 D	16.69	5.3554E-04	37.33	40.79	60.00	40.79	V-C	2.1182E+04	-6.000	42.67	
1.000	1.000	83.45	0.000	0.000	Ug5_2_8_L_0						
32 D	17.12	4.9299E-04	39.20	40.82	62.00	40.82	V-C	2.1182E+04	-6.200	44.80	
1.000	1.000	85.62	0.000	0.000	Ug5_2_8_L_0						
33 D	17.57	4.5284E-04	41.07	40.91	64.00	40.91	V-C	2.1182E+04	-6.400	46.93	
1.000	1.000	87.85	0.000	0.000	Ug5_2_8_L_0						
34 D	18.02	4.1509E-04	42.93	41.06	66.00	41.06	V-C	2.1182E+04	-6.600	49.07	
1.000	1.000	90.12	0.000	0.000	Ug5_2_8_L_0						
35 D	18.49	3.7970E-04	44.80	41.25	68.00	41.25	V-C	2.1182E+04	-6.800	51.20	
1.000	1.000	92.45	0.000	0.000	Ug5_2_8_L_0						
36 D	18.97	3.4663E-04	46.67	41.50	70.00	41.50	V-C	2.1182E+04	-7.000	53.33	
1.000	1.000	94.83	0.000	0.000	Ug5_2_8_L_0						
37 D	19.45	3.1586E-04	48.53	41.80	72.00	41.80	V-C	2.1182E+04	-7.200	55.47	
1.000	1.000	97.27	0.000	0.000	Ug5_2_8_L_0						
38 D	19.95	2.8733E-04	50.40	42.15	74.00	42.15	V-C	2.1182E+04	-7.400	57.60	
1.000	1.000	99.75	0.000	0.000	Ug5_2_8_L_0						
39 D	20.46	2.6100E-04	52.27	42.55	76.00	42.55	V-C	2.1182E+04	-7.600	59.73	
1.000	1.000	102.3	0.000	0.000	Ug5_2_8_L_0						
40 D	20.97	2.3681E-04	54.13	42.99	78.00	42.99	V-C	2.1182E+04	-7.800	61.87	
1.000	1.000	104.9	0.000	0.000	Ug5_2_8_L_0						
41 D	21.50	2.1470E-04	56.00	43.48	80.00	43.48	V-C	2.1182E+04	-8.000	64.00	
1.000	1.000	107.5	0.000	0.000	Ug5_2_8_L_0						
42 D	22.03	1.9460E-04	57.87	44.02	82.00	44.02	V-C	2.1182E+04	-8.200	66.13	
1.000	1.000	110.2	0.000	0.000	Ug5_2_8_L_0						
43 D	22.57	1.7645E-04	59.73	44.60	84.00	44.60	V-C	2.1182E+04	-8.400	68.27	
1.000	1.000	112.9	0.000	0.000	Ug5_2_8_L_0						
44 D	23.12	1.6017E-04	61.60	45.22	86.00	45.22	V-C	2.1182E+04	-8.600	70.40	
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0						
45 D	23.68	1.4568E-04	63.47	45.88	88.00	45.88	V-C	2.1182E+04	-8.800	72.53	
1.000	1.000	118.4	0.000	0.000	Ug5_2_8_L_0						
46 D	24.25	1.3289E-04	65.33	46.57	90.00	46.57	V-C	2.1182E+04	-9.000	74.67	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
47 D	24.82	1.2171E-04	67.20	47.31	92.00	47.31	V-C	2.1182E+04	-9.200	76.80	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
48 D	25.40	1.1205E-04	69.07	48.07	94.00	48.07	V-C	2.1182E+04	-9.400	78.93	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
49 D	25.99	1.0380E-04	70.93	48.87	96.00	48.87	V-C	2.1182E+04	-9.600	81.07	
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0						
50 D	26.55	9.6865E-05	72.80	49.53	98.00	49.78	UL-RL	6.3546E+04	-9.800	83.20	
1.000	1.000	132.7	0.000	0.000	Ug5_2_8_L_0						
51 D	27.09	9.1158E-05	74.67	50.13	100.00	50.75	UL-RL	6.3546E+04	-10.00	85.33	
1.000	1.000	135.5	0.000	0.000	Ug5_2_8_L_0						
52 D	27.65	8.6578E-05	76.53	50.80	102.0	51.74	UL-RL	6.3546E+04	-10.20	87.47	
1.000	1.000	138.3	0.000	0.000	Ug5_2_8_L_0						
53 D	28.23	8.3032E-05	78.40	51.53	104.0	52.72	UL-RL	6.3546E+04	-10.40	89.60	
1.000	1.000	141.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.81	8.0427E-05	80.27	52.33	106.0	53.70	UL-RL	6.3546E+04	-10.60	91.73	
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0						
55 D	29.40	7.8677E-05	82.13	53.16	108.0	54.70	UL-RL	6.3546E+04	-10.80	93.87	
1.000	1.000	147.0	0.000	0.000	Ug5_2_8_L_0						
56 D	30.00	7.7695E-05	84.00	54.02	110.0	55.70	UL-RL	6.3546E+04	-11.00	96.00	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
57 D	30.61	7.7402E-05	85.87	54.92	112.0	56.71	UL-RL	6.3546E+04	-11.20	98.13	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
58 D	31.23	7.7719E-05	87.73	55.86	114.0	57.72	UL-RL	6.3546E+04	-11.40	100.3	
1.000	1.000	156.1	0.000	0.000	Ug5_2_8_L_0						
59 D	31.85	7.8572E-05	89.60	56.83	116.0	58.73	UL-RL	6.3546E+04	-11.60	102.4	
1.000	1.000	159.2	0.000	0.000	Ug5_2_8_L_0						
60 D	32.47	7.9889E-05	91.47	57.82	118.0	59.74	UL-RL	6.3546E+04	-11.80	104.5	
1.000	1.000	162.4	0.000	0.000	Ug5_2_8_L_0						
61 D	33.10	8.1602E-05	93.33	58.84	120.0	60.76	UL-RL	6.3546E+04	-12.00	106.7	
1.000	1.000	165.5	0.000	0.000	Ug5_2_8_L_0						
62 D	33.50	8.3646E-05	95.00	58.69	121.8	61.39	UL-RL	4.6114E+04	-12.20	108.8	
1.000	1.000	167.5	0.000	0.000	Ug6_741_743_L_0						
63 D	34.12	8.5957E-05	96.67	59.66	123.6	62.28	UL-RL	4.6114E+04	-12.40	110.9	
1.000	1.000	170.6	0.000	0.000	Ug6_741_743_L_0						
64 D	34.74	8.8478E-05	98.33	60.64	125.4	63.16	UL-RL	4.6114E+04	-12.60	113.1	
1.000	1.000	173.7	0.000	0.000	Ug6_741_743_L_0						
65 D	35.37	9.1163E-05	100.00	61.63	127.2	64.05	UL-RL	4.6114E+04	-12.80	115.2	
1.000	1.000	176.8	0.000	0.000	Ug6_741_743_L_0						
66 D	35.99	9.3969E-05	101.7	62.63	129.0	64.94	UL-RL	4.6114E+04	-13.00	117.3	
1.000	1.000	180.0	0.000	0.000	Ug6_741_743_L_0						
67 D	36.62	9.6861E-05	103.3	63.63	130.8	65.83	UL-RL	4.6114E+04	-13.20	119.5	
1.000	1.000	183.1	0.000	0.000	Ug6_741_743_L_0						
68 D	37.25	9.9812E-05	105.0	64.63	132.6	66.72	UL-RL	4.6114E+04	-13.40	121.6	
1.000	1.000	186.2	0.000	0.000	Ug6_741_743_L_0						

69 D	37.87	1.0280E-04	106.7	65.64	134.4	67.60	UL-RL	4.6114E+04	-13.60	123.7
1.000	1.000	189.4	0.000	0.000	Ug6_741_743_L_0					
70 D	38.50	1.0580E-04	108.3	66.64	136.2	68.49	UL-RL	4.6114E+04	-13.80	125.9
1.000	1.000	192.5	0.000	0.000	Ug6_741_743_L_0					
71 D	39.13	1.0881E-04	110.0	67.65	138.0	69.38	UL-RL	4.6114E+04	-14.00	128.0
1.000	1.000	195.6	0.000	0.000	Ug6_741_743_L_0					
72 D	39.76	1.1181E-04	111.7	68.65	139.8	70.27	UL-RL	4.6114E+04	-14.20	130.1
1.000	1.000	198.8	0.000	0.000	Ug6_741_743_L_0					
73 D	40.38	1.1480E-04	113.3	69.65	141.6	71.16	UL-RL	4.6114E+04	-14.40	132.3
1.000	1.000	201.9	0.000	0.000	Ug6_741_743_L_0					
74 D	41.01	1.1777E-04	115.0	70.66	143.4	72.05	UL-RL	4.6114E+04	-14.60	134.4
1.000	1.000	205.1	0.000	0.000	Ug6_741_743_L_0					
75 D	41.64	1.2073E-04	116.7	71.66	145.2	72.94	UL-RL	4.6114E+04	-14.80	136.5
1.000	1.000	208.2	0.000	0.000	Ug6_741_743_L_0					
76 D	42.27	1.2367E-04	118.3	72.66	147.0	73.84	UL-RL	4.6114E+04	-15.00	138.7
1.000	1.000	211.3	0.000	0.000	Ug6_741_743_L_0					
77 D	42.89	1.2660E-04	120.0	73.66	148.8	74.73	UL-RL	4.6114E+04	-15.20	140.8
1.000	1.000	214.5	0.000	0.000	Ug6_741_743_L_0					
78 D	43.52	1.2952E-04	121.7	74.66	150.6	75.62	UL-RL	4.6114E+04	-15.40	142.9
1.000	1.000	217.6	0.000	0.000	Ug6_741_743_L_0					
79 D	44.15	1.3244E-04	123.3	75.67	152.4	76.51	UL-RL	4.6114E+04	-15.60	145.1
1.000	1.000	220.7	0.000	0.000	Ug6_741_743_L_0					
80 D	44.77	1.3535E-04	125.0	76.67	154.2	77.40	UL-RL	4.6114E+04	-15.80	147.2
1.000	1.000	223.9	0.000	0.000	Ug6_741_743_L_0					
81 D	22.70	1.3826E-04	126.7	77.67	156.0	78.29	UL-RL	4.6114E+04	-16.00	149.3
1.000	1.000	227.0	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-3.99821E-11 3.99821E-11-4.59210E-12-1.29920E-10
    2 0.50996    -0.50996     1.31407E-10 0.10199
    3  1.5325     -1.5325    -0.10199     0.40848
    4  3.0708     -3.0708    -0.40848      1.0227
    5  5.1276     -5.1276     -1.0227      2.0482
    6  7.7037     -7.7037     -2.0482      3.5889
    7  10.799     -10.799     -3.5889      5.7488
    8  14.421     -14.421     -5.7488      8.6330
    9  18.572     -18.572     -8.6330      12.347
   10  23.237     -23.237     -12.347      16.995
   11  28.426     -28.426     -16.995      22.680
   12  32.001     -32.001     -22.680      29.080
   13  33.952     -33.952     -29.080      35.871
   14  34.286     -34.286     -35.871      42.728
   15  33.001     -33.001     -42.728      49.328
   16  30.098     -30.098     -49.328      55.348
   17  26.679     -26.679     -55.348      60.683
   18  23.477     -23.477     -60.683      65.379
   19  20.485     -20.485     -65.379      69.476
   20  17.691     -17.691     -69.476      73.014
   21  15.091     -15.091     -73.014      76.032
   22  12.675     -12.675     -76.032      78.567
   23  10.430     -10.430     -78.567      80.653
   24  8.3495     -8.3495     -80.653      82.323
   25  6.4234     -6.4234     -82.323      83.608
   26  4.6408     -4.6408     -83.608      84.536
   27  2.9875     -2.9875     -84.536      85.134
   28  1.4561     -1.4561     -85.134      85.425
   29 3.56493E-02-3.56493E-02 -85.425      85.432
   30 -1.2882      1.2882     -85.432      85.174
   31 -2.5232      2.5232     -85.174      84.670
   32 -3.6803      3.6803     -84.670      83.934
   33 -4.7734      4.7734     -83.934      82.979
   34 -5.8103      5.8103     -82.979      81.817
   35 -6.8016      6.8016     -81.817      80.457
   36 -7.7579      7.7579     -80.457      78.905
   37 -8.6919      8.6919     -78.905      77.167
   38 -9.6113      9.6113     -77.167      75.244
   39 -10.526      10.526     -75.244      73.139
   40 -11.447      11.447     -73.139      70.850
   41 -12.382      12.382     -70.850      68.373
   42 -13.341      13.341     -68.373      65.705
   43 -14.333      14.333     -65.705      62.839
   44 -15.364      15.364     -62.839      59.766
   45 -16.172      16.172     -59.766      56.531
   46 -16.708      16.708     -56.531      53.190
   47 -17.012      17.012     -53.190      49.787
   48 -17.121      17.121     -49.787      46.363
   49 -17.070      17.070     -46.363      42.949
   50 -16.858      16.858     -42.949      39.577
   51 -16.498      16.498     -39.577      36.278
   52 -16.027      16.027     -36.278      33.072
   53 -15.480      15.480     -33.072      29.976
   54 -14.885      14.885     -29.976      26.999
   55 -14.268      14.268     -26.999      24.146
   56 -13.652      13.652     -24.146      21.415
   57 -13.057      13.057     -21.415      18.804
   58 -12.504      12.504     -18.804      16.303
   59 -12.009      12.009     -16.303      13.901
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   60 -11.586      11.586     -13.901      11.584
   61 -11.249      11.249     -11.584      9.3343
   62 -9.8276      9.8276     -9.3343      7.3688
   63 -8.4889      8.4889     -7.3688      5.6710
   64 -7.2366      7.2366     -5.6710      4.2237
   65 -6.0735      6.0735     -4.2237      3.0090
   66 -5.0019      5.0019     -3.0090      2.0086
   67 -4.0232      4.0232     -2.0086      1.2039
   68 -3.1385      3.1385     -1.2039     0.57625
   69 -2.3482      2.3482    -0.57625     0.10661
   70 -1.6524      1.6524    -0.10661    -0.22387
   71 -1.0512      1.0512     0.22387    -0.43411
   72-0.54414     0.54414     0.43411    -0.54294
   73-0.13097     0.13097     0.54294    -0.56913
   74 0.18874    -0.18874     0.56913    -0.53138
   75 0.41539    -0.41539     0.53138    -0.44831
   76 0.54935    -0.54935     0.44831    -0.33844
   77 0.59092    -0.59092     0.33844    -0.22025
   78 0.54033    -0.54033     0.22025    -0.11219
   79 0.39773    -0.39773     0.11219    -3.26430E-02
   80 0.16321    -0.16321     3.26430E-02 6.97220E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1259E+06 RIMNOR=0.3928E+06
           RENORM= 696.3     REMNOR=0.2445E-19 RATIO =0.7435E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.96     RMMAX = 85.43
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1259E+06 RDR   =0.3928E+06
           RATIOT=0.7435E-01 RATIOR= 0.000
           MAX UN= 10.57     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.7356E-01 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1259E+06 RIMNOR=0.3928E+06
           RENORM= 215.8     REMNOR=0.3680E-19 RATIO =0.4139E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.96     RMMAX = 85.43
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1259E+06 RDR   =0.3928E+06
           RATIOT=0.4139E-01 RATIOR= 0.000
           MAX UN= 3.643     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-.2663E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1259E+06 RIMNOR=0.3928E+06
           RENORM= 118.6     REMNOR=0.9473E-18 RATIO =0.3069E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.96     RMMAX = 85.43
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1259E+06 RDR   =0.3928E+06
           RATIOT=0.3069E-01 RATIOR= 0.000
           MAX UN= 6.785     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.6125E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1259E+06 RIMNOR=0.3928E+06
           RENORM= 1.008     REMNOR=0.3451E-18 RATIO =0.2829E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 43.96     RMMAX = 85.43
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1259E+06 RDR   =0.3928E+06
           RATIOT=0.2829E-02 RATIOR= 0.000
           MAX UN=0.6806     IEQ=   109 NODE     55 DOF   1  Y-DISPL.F
           MIN UN=-.1894     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1259E+06 RIMNOR=0.3928E+06
           RENORM=0.5159E-16 REMNOR=0.2914E-18 RATIO =0.2024E-10 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 43.96     RMMAX = 85.43
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.1259E+06 RDR   =0.3928E+06
           RATIOT=0.2024E-10 RATIOR= 0.000
           MAX UN=0.3936E-08 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.3615E-08 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   9.7906890E-03  -1.2565031E-03
    2   9.5393884E-03  -1.2565031E-03
    3   9.2880882E-03  -1.2564960E-03
    4   9.0367919E-03  -1.2564604E-03
    5   8.7855084E-03  -1.2563605E-03
    6   8.5342553E-03  -1.2561462E-03
    7   8.2830618E-03  -1.2557529E-03
    8   8.0319714E-03  -1.2551012E-03
    9   7.7810448E-03  -1.2540976E-03
   10   7.5303630E-03  -1.2526335E-03
   11   7.2800303E-03  -1.2505857E-03
   12   7.0301768E-03  -1.2478168E-03
   13   6.7809618E-03  -1.2441746E-03
   14   6.5325763E-03  -1.2394925E-03
   15   6.2852462E-03  -1.2335896E-03
   16   6.0392349E-03  -1.2262703E-03
   17   5.7948452E-03  -1.2173249E-03
   18   5.5524251E-03  -1.2065588E-03
   19   5.3123531E-03  -1.1938224E-03
   20   5.0750345E-03  -1.1790111E-03
   21   4.8408921E-03  -1.1620654E-03
   22   4.6103528E-03  -1.1429705E-03
   23   4.3838452E-03  -1.1217568E-03
   24   4.1617863E-03  -1.0984998E-03
   25   3.9445735E-03  -1.0733198E-03
   26   3.7325755E-03  -1.0463823E-03
   27   3.5261248E-03  -1.0178970E-03
   28   3.3255061E-03  -9.8808728E-04
   29   3.1309642E-03  -9.5716221E-04
   30   2.9427026E-03  -9.2531630E-04
   31   2.7608870E-03  -8.9273040E-04
   32   2.5856494E-03  -8.5957248E-04
   33   2.4170867E-03  -8.2599752E-04
   34   2.2552686E-03  -7.9214925E-04
   35   2.1002364E-03  -7.5816007E-04
   36   1.9520059E-03  -7.2415184E-04
   37   1.8105702E-03  -6.9023677E-04
   38   1.6758988E-03  -6.5651733E-04
   39   1.5479439E-03  -6.2308799E-04
   40   1.4266385E-03  -5.9003513E-04
   41   1.3118995E-03  -5.5743785E-04
   42   1.2036282E-03  -5.2536864E-04
   43   1.1017124E-03  -4.9389393E-04
   44   1.0060269E-03  -4.6307476E-04
   45   9.1643545E-04  -4.3296747E-04
   46   8.3278947E-04  -4.0362371E-04
   47   7.5493184E-04  -3.7509183E-04
   48   6.8269561E-04  -3.4741694E-04
   49   6.1590510E-04  -3.2064151E-04
   50   5.5437664E-04  -2.9480601E-04
   51   4.9791778E-04  -2.6994895E-04
   52   4.4632809E-04  -2.4610747E-04
   53   3.9940547E-04  -2.2332079E-04
   54   3.5692959E-04  -2.0162267E-04
   55   3.1868130E-04  -1.8105108E-04
   56   2.8443157E-04  -1.6164336E-04
   57   2.5394381E-04  -1.4343774E-04
   58   2.2697397E-04  -1.2646959E-04
   59   2.0327170E-04  -1.1076567E-04
   60   1.8258232E-04  -9.6342532E-05
   61   1.6464890E-04  -8.3206203E-05
   62   1.4921432E-04  -7.1352626E-05
   63   1.3602484E-04  -6.0744172E-05
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64	1.2483817E-04	-5.1312867E-05
65	1.1542590E-04	-4.2988383E-05
66	1.0757383E-04	-3.5698760E-05
67	1.0108227E-04	-2.9371105E-05
68	9.5766122E-05	-2.3932453E-05
69	9.1454845E-05	-1.9310412E-05
70	8.7992284E-05	-1.5433468E-05
71	8.5236478E-05	-1.2231222E-05
72	8.3059428E-05	-9.6344809E-06
73	8.1346846E-05	-7.5753393E-06
74	7.9997884E-05	-5.9873248E-06
75	7.8924836E-05	-4.8055105E-06
76	7.8052819E-05	-3.9666039E-06
77	7.7319440E-05	-3.4090120E-06
78	7.6674450E-05	-3.0728884E-06
79	7.6079391E-05	-2.9001640E-06
80	7.5507242E-05	-2.8345658E-06
81	7.4942026E-05	-2.8216261E-06

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -9.7907E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4999     -9.5394E-03   2.215      0.7066       2.215       1.603          ACTIVE   0.000      -0.2000       1.793
1.000       1.000       2.500       0.000       0.000     Ug5_2_8_L_0
   3 D   1.002     -9.2881E-03   4.471       1.426       4.471       3.119          ACTIVE   0.000      -0.4000       3.586
1.000       1.000       5.012       0.000       0.000     Ug5_2_8_L_0
   4 D   1.508     -9.0368E-03   6.779       2.162       6.779       4.509          ACTIVE   0.000      -0.6000       5.379
1.000       1.000       7.542       0.000       0.000     Ug5_2_8_L_0
   5 D   2.017     -8.7855E-03   9.125       2.911       9.125       5.780          ACTIVE   0.000      -0.8000       7.172
1.000       1.000       10.08       0.000       0.000     Ug5_2_8_L_0
   6 D   2.526     -8.5343E-03   11.49       3.665       11.49       6.958          ACTIVE   0.000       -1.000       8.966
1.000       1.000       12.63       0.000       0.000     Ug5_2_8_L_0
   7 D   3.035     -8.2831E-03   13.85       4.419       13.85       8.073          ACTIVE   0.000       -1.200       10.76
1.000       1.000       15.18       0.000       0.000     Ug5_2_8_L_0
   8 D   3.552     -8.0320E-03   16.32       5.207       16.32       9.145          ACTIVE   0.000       -1.400       12.55
1.000       1.000       17.76       0.000       0.000     Ug5_2_8_L_0
   9 D   4.070     -7.7810E-03   18.83       6.007       18.83       10.19          ACTIVE   0.000       -1.600       14.34
1.000       1.000       20.35       0.000       0.000     Ug5_2_8_L_0
  10 D   4.575     -7.5304E-03   21.13       6.739       21.13       11.22          ACTIVE   0.000       -1.800       16.14
1.000       1.000       22.88       0.000       0.000     Ug5_2_8_L_0
  11 D   5.089     -7.2800E-03   23.55       7.514       23.55       12.23          ACTIVE   0.000       -2.000       17.93
1.000       1.000       25.44       0.000       0.000     Ug5_2_8_L_0
  12 D   5.600     -7.0302E-03   25.95       8.277       25.95       13.24          ACTIVE   0.000       -2.200       19.72
1.000       1.000       28.00       0.000       0.000     Ug5_2_8_L_0
  13 D   6.102     -6.7810E-03   28.19       8.993       28.19       14.24          ACTIVE   0.000       -2.400       21.52
1.000       1.000       30.51       0.000       0.000     Ug5_2_8_L_0
  14 D   6.611     -6.5326E-03   30.55       9.744       30.55       15.24          ACTIVE   0.000       -2.600       23.31
1.000       1.000       33.05       0.000       0.000     Ug5_2_8_L_0
  15 D   7.118     -6.2852E-03   32.88       10.49       32.88       16.23          ACTIVE   0.000       -2.800       25.10
1.000       1.000       35.59       0.000       0.000     Ug5_2_8_L_0
  16 D   7.625     -6.0392E-03   35.20       11.23       35.20       17.23          ACTIVE   0.000       -3.000       26.90
1.000       1.000       38.13       0.000       0.000     Ug5_2_8_L_0
  17 D   8.125     -5.7948E-03   37.42       11.94       37.42       18.22          ACTIVE   0.000       -3.200       28.69
1.000       1.000       40.63       0.000       0.000     Ug5_2_8_L_0
  18 D   8.631     -5.5524E-03   39.72       12.67       39.72       19.21          ACTIVE   0.000       -3.400       30.48
1.000       1.000       43.15       0.000       0.000     Ug5_2_8_L_0
  19 D   9.136     -5.3124E-03   42.01       13.40       42.01       20.21          ACTIVE   0.000       -3.600       32.28
1.000       1.000       45.68       0.000       0.000     Ug5_2_8_L_0
  20 D   9.635     -5.0750E-03   44.22       14.11       44.22       21.20          ACTIVE   0.000       -3.800       34.07
1.000       1.000       48.17       0.000       0.000     Ug5_2_8_L_0
  21 D   10.14     -4.8409E-03   46.50       14.83       46.50       22.19          ACTIVE   0.000       -4.000       35.86
1.000       1.000       50.70       0.000       0.000     Ug5_2_8_L_0
  22 D   10.64     -4.6104E-03   48.77       15.56       48.77       23.18          ACTIVE   0.000       -4.200       37.66
1.000       1.000       53.21       0.000       0.000     Ug5_2_8_L_0
  23 D   11.14     -4.3838E-03   50.98       16.26       50.98       24.18          ACTIVE   0.000       -4.400       39.45
1.000       1.000       55.71       0.000       0.000     Ug5_2_8_L_0
  24 D   11.65     -4.1618E-03   53.24       16.98       53.24       25.17          ACTIVE   0.000       -4.600       41.24
1.000       1.000       58.23       0.000       0.000     Ug5_2_8_L_0
  25 D   12.15     -3.9446E-03   55.51       17.71       55.51       26.17          ACTIVE   0.000       -4.800       43.03
1.000       1.000       60.74       0.000       0.000     Ug5_2_8_L_0
  26 D   12.65     -3.7326E-03   57.76       18.43       57.76       27.16          ACTIVE   0.000       -5.000       44.83
1.000       1.000       63.25       0.000       0.000     Ug5_2_8_L_0
  27 D   13.15     -3.5261E-03   59.96       19.13       59.96       28.16          ACTIVE   0.000       -5.200       46.62
1.000       1.000       65.75       0.000       0.000     Ug5_2_8_L_0
  28 D   13.65     -3.3255E-03   62.21       19.85       62.21       29.16          ACTIVE   0.000       -5.400       48.41
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1.000	1.000	68.26	0.000	0.000	Ug5_2_8_L_0					
29 D	14.15	-3.1310E-03	64.46	20.56	64.46	30.15	ACTIVE	0.000	-5.600	50.21
1.000	1.000	70.77	0.000	0.000	Ug5_2_8_L_0					
30 D	14.65	-2.9427E-03	66.66	21.26	66.66	31.15	ACTIVE	0.000	-5.800	52.00
1.000	1.000	73.26	0.000	0.000	Ug5_2_8_L_0					
31 D	15.15	-2.7609E-03	68.91	21.98	68.91	32.15	ACTIVE	0.000	-6.000	53.79
1.000	1.000	75.77	0.000	0.000	Ug5_2_8_L_0					
32 D	15.66	-2.5856E-03	71.15	22.70	71.15	33.15	ACTIVE	0.000	-6.200	55.59
1.000	1.000	78.28	0.000	0.000	Ug5_2_8_L_0					
33 D	16.16	-2.4171E-03	73.35	23.40	73.35	34.15	ACTIVE	0.000	-6.400	57.38
1.000	1.000	80.78	0.000	0.000	Ug5_2_8_L_0					
34 D	16.66	-2.2553E-03	75.59	24.11	75.59	35.15	ACTIVE	0.000	-6.600	59.17
1.000	1.000	83.28	0.000	0.000	Ug5_2_8_L_0					
35 D	17.16	-2.1002E-03	77.83	24.83	77.83	36.15	ACTIVE	0.000	-6.800	60.97
1.000	1.000	85.79	0.000	0.000	Ug5_2_8_L_0					
36 D	17.66	-1.9520E-03	80.06	25.54	80.06	37.16	ACTIVE	0.000	-7.000	62.76
1.000	1.000	88.30	0.000	0.000	Ug5_2_8_L_0					
37 D	18.16	-1.8106E-03	82.26	26.24	82.26	38.16	ACTIVE	0.000	-7.200	64.55
1.000	1.000	90.79	0.000	0.000	Ug5_2_8_L_0					
38 D	18.66	-1.6759E-03	84.49	26.95	84.49	39.16	ACTIVE	0.000	-7.400	66.34
1.000	1.000	93.30	0.000	0.000	Ug5_2_8_L_0					
39 D	19.16	-1.5479E-03	86.73	27.67	86.73	40.17	ACTIVE	0.000	-7.600	68.14
1.000	1.000	95.80	0.000	0.000	Ug5_2_8_L_0					
40 D	19.66	-1.4266E-03	88.92	28.37	88.92	41.17	ACTIVE	0.000	-7.800	69.93
1.000	1.000	98.30	0.000	0.000	Ug5_2_8_L_0					
41 D	20.16	-1.3119E-03	91.15	29.08	91.15	42.18	ACTIVE	0.000	-8.000	71.72
1.000	1.000	100.8	0.000	0.000	Ug5_2_8_L_0					
42 D	20.66	-1.2036E-03	93.38	29.79	93.38	43.19	ACTIVE	0.000	-8.200	73.52
1.000	1.000	103.3	0.000	0.000	Ug5_2_8_L_0					
43 D	21.16	-1.1017E-03	95.58	30.49	95.58	44.19	ACTIVE	0.000	-8.400	75.31
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0					
44 D	21.66	-1.0060E-03	97.81	31.20	97.81	45.20	ACTIVE	0.000	-8.600	77.10
1.000	1.000	108.3	0.000	0.000	Ug5_2_8_L_0					
45 D	22.16	-9.1644E-04	100.0	31.91	100.0	46.21	ACTIVE	0.000	-8.800	78.90
1.000	1.000	110.8	0.000	0.000	Ug5_2_8_L_0					
46 D	22.66	-8.3279E-04	102.3	32.62	102.3	47.22	ACTIVE	0.000	-9.000	80.69
1.000	1.000	113.3	0.000	0.000	Ug5_2_8_L_0					
47 D	23.16	-7.5493E-04	104.5	33.32	104.5	48.23	ACTIVE	0.000	-9.200	82.48
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0					
48 D	23.66	-6.8270E-04	106.7	34.03	106.7	49.24	ACTIVE	0.000	-9.400	84.28
1.000	1.000	118.3	0.000	0.000	Ug5_2_8_L_0					
49 D	24.16	-6.1591E-04	108.9	34.74	108.9	50.26	ACTIVE	0.000	-9.600	86.07
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0					
50 D	24.66	-5.5438E-04	111.1	35.44	111.1	51.27	ACTIVE	0.000	-9.800	87.86
1.000	1.000	123.3	0.000	0.000	Ug5_2_8_L_0					
51 D	25.16	-4.9792E-04	113.3	36.15	113.3	52.28	ACTIVE	0.000	-10.00	89.66
1.000	1.000	125.8	0.000	0.000	Ug5_2_8_L_0					
52 D	25.66	-4.4633E-04	115.6	36.86	115.6	53.29	ACTIVE	0.000	-10.20	91.45
1.000	1.000	128.3	0.000	0.000	Ug5_2_8_L_0					
53 D	26.16	-3.9941E-04	117.8	37.56	117.8	54.31	ACTIVE	0.000	-10.40	93.24
1.000	1.000	130.8	0.000	0.000	Ug5_2_8_L_0					
54 D	26.66	-3.5693E-04	120.0	38.27	120.0	55.32	ACTIVE	0.000	-10.60	95.03
1.000	1.000	133.3	0.000	0.000	Ug5_2_8_L_0					
55 D	27.16	-3.1868E-04	122.2	38.98	122.2	56.34	ACTIVE	0.000	-10.80	96.83
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0					
56 D	27.66	-2.8443E-04	124.4	39.69	124.4	57.35	ACTIVE	0.000	-11.00	98.62
1.000	1.000	138.3	0.000	0.000	Ug5_2_8_L_0					
57 D	28.45	-2.5394E-04	126.6	41.83	126.6	58.37	UL-RL	6.6389E+04	-11.20	100.4
1.000	1.000	142.2	0.000	0.000	Ug5_2_8_L_0					
58 D	29.38	-2.2697E-04	128.8	44.68	128.8	59.39	UL-RL	6.6389E+04	-11.40	102.2
1.000	1.000	146.9	0.000	0.000	Ug5_2_8_L_0					
59 D	30.26	-2.0327E-04	131.1	47.29	131.1	60.40	UL-RL	6.6389E+04	-11.60	104.0
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0					
60 D	31.10	-1.8258E-04	133.3	49.69	133.3	61.42	UL-RL	6.6389E+04	-11.80	105.8
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0					
61 D	31.90	-1.6465E-04	135.5	51.89	135.5	62.44	UL-RL	6.6389E+04	-12.00	107.6
1.000	1.000	159.5	0.000	0.000	Ug5_2_8_L_0					
62 D	34.04	-1.4921E-04	137.5	60.81	137.5	63.36	UL-RL	3.2934E+04	-12.20	109.4
1.000	1.000	170.2	0.000	0.000	Ug6_741_743_L_0					
63 D	34.67	-1.3602E-04	139.5	62.19	139.5	64.28	UL-RL	3.2934E+04	-12.40	111.2
1.000	1.000	173.4	0.000	0.000	Ug6_741_743_L_0					
64 D	35.29	-1.2484E-04	141.5	63.49	141.5	65.20	UL-RL	3.2934E+04	-12.60	113.0
1.000	1.000	176.5	0.000	0.000	Ug6_741_743_L_0					
65 D	35.90	-1.1543E-04	143.5	64.74	143.5	66.12	UL-RL	3.2934E+04	-12.80	114.8
1.000	1.000	179.5	0.000	0.000	Ug6_741_743_L_0					
66 D	36.49	-1.0757E-04	145.5	65.90	145.5	67.05	UL-RL	3.2934E+04	-13.00	116.6
1.000	1.000	182.5	0.000	0.000	Ug6_741_743_L_0					
67 D	37.06	-1.0108E-04	147.5	66.94	147.5	68.02	UL-RL	3.2934E+04	-13.20	118.3
1.000	1.000	185.3	0.000	0.000	Ug6_741_743_L_0					
68 D	37.62	-9.5766E-05	149.4	67.96	149.4	68.99	UL-RL	3.2934E+04	-13.40	120.1
1.000	1.000	188.1	0.000	0.000	Ug6_741_743_L_0					

69	D	38.18	-9.1455E-05	151.4	68.96	151.4	69.95	UL-RL	3.2934E+04	-13.60	121.9
1.000		1.000	190.9	0.000	0.000	Ug6_741_743_L_0					
70	D	38.73	-8.7992E-05	153.4	69.95	153.4	70.91	UL-RL	3.2934E+04	-13.80	123.7
1.000		1.000	193.7	0.000	0.000	Ug6_741_743_L_0					
71	D	39.30	-8.5236E-05	155.4	70.96	155.4	71.90	UL-RL	3.2934E+04	-14.00	125.5
1.000		1.000	196.5	0.000	0.000	Ug6_741_743_L_0					
72	D	39.86	-8.3059E-05	157.3	71.97	157.3	72.89	UL-RL	3.2934E+04	-14.20	127.3
1.000		1.000	199.3	0.000	0.000	Ug6_741_743_L_0					
73	D	40.41	-8.1347E-05	159.3	72.96	159.3	73.87	UL-RL	3.2934E+04	-14.40	129.1
1.000		1.000	202.1	0.000	0.000	Ug6_741_743_L_0					
74	D	40.97	-7.9998E-05	161.3	73.95	161.3	74.85	UL-RL	3.2934E+04	-14.60	130.9
1.000		1.000	204.8	0.000	0.000	Ug6_741_743_L_0					
75	D	41.52	-7.8925E-05	163.3	74.93	163.3	75.83	UL-RL	3.2934E+04	-14.80	132.7
1.000		1.000	207.6	0.000	0.000	Ug6_741_743_L_0					
76	D	42.08	-7.8053E-05	165.3	75.91	165.3	76.81	UL-RL	3.2934E+04	-15.00	134.5
1.000		1.000	210.4	0.000	0.000	Ug6_741_743_L_0					
77	D	42.63	-7.7319E-05	167.2	76.88	167.2	77.78	UL-RL	3.2934E+04	-15.20	136.3
1.000		1.000	213.2	0.000	0.000	Ug6_741_743_L_0					
78	D	43.19	-7.6674E-05	169.2	77.86	169.2	78.76	UL-RL	3.2934E+04	-15.40	138.1
1.000		1.000	215.9	0.000	0.000	Ug6_741_743_L_0					
79	D	43.74	-7.6079E-05	171.2	78.83	171.2	79.74	UL-RL	3.2934E+04	-15.60	139.9
1.000		1.000	218.7	0.000	0.000	Ug6_741_743_L_0					
80	D	44.29	-7.5507E-05	173.2	79.81	173.2	80.71	UL-RL	3.2934E+04	-15.80	141.7
1.000		1.000	221.5	0.000	0.000	Ug6_741_743_L_0					
81	D	22.42	-7.4942E-05	175.2	80.78	175.2	81.69	UL-RL	3.2934E+04	-16.00	143.4
1.000		1.000	224.2	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR        Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      6.0392E-03   0.000       0.000       30.00       42.73       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.083      5.7948E-03   1.793       8.209       32.00       45.72       PASSIVE   0.000       -3.200       2.207
1.000       1.000       10.42       0.000       0.000     Ug5_2_8_L_0
  18 D   4.166      5.5524E-03   3.586       16.42       34.00       45.08       PASSIVE   0.000       -3.400       4.414
1.000       1.000       20.83       0.000       0.000     Ug5_2_8_L_0
  19 D   6.249      5.3124E-03   5.379       24.63       36.00       44.47       PASSIVE   0.000       -3.600       6.621
1.000       1.000       31.25       0.000       0.000     Ug5_2_8_L_0
  20 D   8.333      5.0750E-03   7.172       32.84       38.00       43.90       PASSIVE   0.000       -3.800       8.828
1.000       1.000       41.66       0.000       0.000     Ug5_2_8_L_0
  21 D   10.42      4.8409E-03   8.966       41.04       40.00       43.37       PASSIVE   0.000       -4.000       11.03
1.000       1.000       52.08       0.000       0.000     Ug5_2_8_L_0
  22 D   12.50      4.6104E-03   10.76       49.25       42.00       49.25       PASSIVE   0.000       -4.200       13.24
1.000       1.000       62.49       0.000       0.000     Ug5_2_8_L_0
  23 D   14.58      4.3838E-03   12.55       57.46       44.00       57.46       PASSIVE   0.000       -4.400       15.45
1.000       1.000       72.91       0.000       0.000     Ug5_2_8_L_0
  24 D   16.67      4.1618E-03   14.34       65.67       46.00       65.67       PASSIVE   0.000       -4.600       17.66
1.000       1.000       83.33       0.000       0.000     Ug5_2_8_L_0
  25 D   18.75      3.9446E-03   16.14       73.88       48.00       73.88       PASSIVE   0.000       -4.800       19.86
1.000       1.000       93.74       0.000       0.000     Ug5_2_8_L_0
  26 D   20.77      3.7326E-03   17.93       81.80       50.00       81.80           V-C   1.4121E+04  -5.000       22.07
1.000       1.000       103.9       0.000       0.000     Ug5_2_8_L_0
  27 D   20.74      3.5261E-03   19.72       79.44       52.00       79.44           V-C   1.4121E+04  -5.200       24.28
1.000       1.000       103.7       0.000       0.000     Ug5_2_8_L_0
  28 D   20.73      3.3255E-03   21.52       77.17       54.00       77.17           V-C   1.4121E+04  -5.400       26.48
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1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0						
29 D	20.74	3.1310E-03	23.31	75.01	56.00	75.01		V-C	1.4121E+04	-5.600	28.69
1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0						
30 D	20.77	2.9427E-03	25.10	72.96	58.00	72.96		V-C	1.4121E+04	-5.800	30.90
1.000	1.000	103.9	0.000	0.000	Ug5_2_8_L_0						
31 D	20.82	2.7609E-03	26.90	71.02	60.00	71.02		V-C	1.4121E+04	-6.000	33.10
1.000	1.000	104.1	0.000	0.000	Ug5_2_8_L_0						
32 D	20.90	2.5856E-03	28.69	69.19	62.00	69.19		V-C	1.4121E+04	-6.200	35.31
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
33 D	21.00	2.4171E-03	30.48	67.47	64.00	67.47		V-C	1.4121E+04	-6.400	37.52
1.000	1.000	105.0	0.000	0.000	Ug5_2_8_L_0						
34 D	21.12	2.2553E-03	32.28	65.86	66.00	65.86		V-C	1.4121E+04	-6.600	39.72
1.000	1.000	105.6	0.000	0.000	Ug5_2_8_L_0						
35 D	21.26	2.1002E-03	34.07	64.37	68.00	64.37		V-C	1.4121E+04	-6.800	41.93
1.000	1.000	106.3	0.000	0.000	Ug5_2_8_L_0						
36 D	21.43	1.9520E-03	35.86	62.99	70.00	62.99		V-C	1.4121E+04	-7.000	44.14
1.000	1.000	107.1	0.000	0.000	Ug5_2_8_L_0						
37 D	21.62	1.8106E-03	37.66	61.73	72.00	61.73		V-C	1.4121E+04	-7.200	46.34
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0						
38 D	21.83	1.6759E-03	39.45	60.58	74.00	60.58		V-C	1.4121E+04	-7.400	48.55
1.000	1.000	109.1	0.000	0.000	Ug5_2_8_L_0						
39 D	22.06	1.5479E-03	41.24	59.55	76.00	59.55		V-C	1.4121E+04	-7.600	50.76
1.000	1.000	110.3	0.000	0.000	Ug5_2_8_L_0						
40 D	22.32	1.4266E-03	43.03	58.62	78.00	58.62		V-C	1.4121E+04	-7.800	52.97
1.000	1.000	111.6	0.000	0.000	Ug5_2_8_L_0						
41 D	22.59	1.3119E-03	44.83	57.80	80.00	57.80		V-C	1.4121E+04	-8.000	55.17
1.000	1.000	113.0	0.000	0.000	Ug5_2_8_L_0						
42 D	22.89	1.2036E-03	46.62	57.09	82.00	57.09		V-C	1.4121E+04	-8.200	57.38
1.000	1.000	114.5	0.000	0.000	Ug5_2_8_L_0						
43 D	23.21	1.1017E-03	48.41	56.49	84.00	56.49		V-C	1.4121E+04	-8.400	59.59
1.000	1.000	116.1	0.000	0.000	Ug5_2_8_L_0						
44 D	23.56	1.0060E-03	50.21	55.98	86.00	55.98		V-C	1.4121E+04	-8.600	61.79
1.000	1.000	117.8	0.000	0.000	Ug5_2_8_L_0						
45 D	23.92	9.1644E-04	52.00	55.58	88.00	55.58		V-C	1.4121E+04	-8.800	64.00
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
46 D	24.30	8.3279E-04	53.79	55.27	90.00	55.27		V-C	1.4121E+04	-9.000	66.21
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
47 D	24.70	7.5493E-04	55.59	55.06	92.00	55.06		V-C	1.4121E+04	-9.200	68.41
1.000	1.000	123.5	0.000	0.000	Ug5_2_8_L_0						
48 D	25.11	6.8270E-04	57.38	54.94	94.00	54.94		V-C	1.4121E+04	-9.400	70.62
1.000	1.000	125.6	0.000	0.000	Ug5_2_8_L_0						
49 D	25.55	6.1591E-04	59.17	54.91	96.00	54.91		V-C	1.4121E+04	-9.600	72.83
1.000	1.000	127.7	0.000	0.000	Ug5_2_8_L_0						
50 D	26.00	5.5438E-04	60.97	54.96	98.00	54.96		V-C	1.4121E+04	-9.800	75.03
1.000	1.000	130.0	0.000	0.000	Ug5_2_8_L_0						
51 D	26.47	4.9792E-04	62.76	55.09	100.00	55.09		V-C	1.4121E+04	-10.00	77.24
1.000	1.000	132.3	0.000	0.000	Ug5_2_8_L_0						
52 D	26.95	4.4633E-04	64.55	55.30	102.0	55.30		V-C	1.4121E+04	-10.20	79.45
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
53 D	27.45	3.9941E-04	66.34	55.59	104.0	55.59		V-C	1.4121E+04	-10.40	81.66
1.000	1.000	137.2	0.000	0.000	Ug5_2_8_L_0						
54 D	27.96	3.5693E-04	68.14	55.94	106.0	55.94		V-C	1.4121E+04	-10.60	83.86
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
55 D	28.49	3.1868E-04	69.93	56.36	108.0	56.36		V-C	1.4121E+04	-10.80	86.07
1.000	1.000	142.4	0.000	0.000	Ug5_2_8_L_0						
56 D	29.02	2.8443E-04	71.72	56.84	110.0	56.84		V-C	1.4121E+04	-11.00	88.28
1.000	1.000	145.1	0.000	0.000	Ug5_2_8_L_0						
57 D	29.57	2.5394E-04	73.52	57.38	112.0	57.38		V-C	1.4121E+04	-11.20	90.48
1.000	1.000	147.9	0.000	0.000	Ug5_2_8_L_0						
58 D	30.13	2.2697E-04	75.31	57.98	114.0	57.98		V-C	1.4121E+04	-11.40	92.69
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
59 D	30.66	2.0327E-04	77.10	58.42	116.0	58.73		UL-RL	4.2364E+04	-11.60	94.90
1.000	1.000	153.3	0.000	0.000	Ug5_2_8_L_0						
60 D	31.12	1.8258E-04	78.90	58.47	118.0	59.74		UL-RL	4.2364E+04	-11.80	97.10
1.000	1.000	155.6	0.000	0.000	Ug5_2_8_L_0						
61 D	31.59	1.6465E-04	80.69	58.65	120.0	60.76		UL-RL	4.2364E+04	-12.00	99.31
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0						
62 D	31.70	1.4921E-04	82.28	56.97	121.8	61.39		UL-RL	3.0743E+04	-12.20	101.5
1.000	1.000	158.5	0.000	0.000	Ug6_741_743_L_0						
63 D	32.24	1.3602E-04	83.88	57.46	123.6	62.28		UL-RL	3.0743E+04	-12.40	103.7
1.000	1.000	161.2	0.000	0.000	Ug6_741_743_L_0						
64 D	32.79	1.2484E-04	85.47	58.00	125.4	63.16		UL-RL	3.0743E+04	-12.60	105.9
1.000	1.000	163.9	0.000	0.000	Ug6_741_743_L_0						
65 D	33.35	1.1543E-04	87.06	58.61	127.2	64.05		UL-RL	3.0743E+04	-12.80	108.1
1.000	1.000	166.7	0.000	0.000	Ug6_741_743_L_0						
66 D	33.92	1.0757E-04	88.66	59.26	129.0	64.94		UL-RL	3.0743E+04	-13.00	110.3
1.000	1.000	169.6	0.000	0.000	Ug6_741_743_L_0						
67 D	34.50	1.0108E-04	90.25	59.96	130.8	65.83		UL-RL	3.0743E+04	-13.20	112.6
1.000	1.000	172.5	0.000	0.000	Ug6_741_743_L_0						
68 D	35.09	9.5766E-05	91.84	60.69	132.6	66.72		UL-RL	3.0743E+04	-13.40	114.8
1.000	1.000	175.4	0.000	0.000	Ug6_741_743_L_0						

69 D	35.68	9.1455E-05	93.43	61.45	134.4	67.60		UL-RL	3.0743E+04	-13.60	117.0
1.000	1.000	178.4	0.000	0.000	Ug6_741_743_L_0						
70 D	36.28	8.7992E-05	95.03	62.24	136.2	68.49		UL-RL	3.0743E+04	-13.80	119.2
1.000	1.000	181.4	0.000	0.000	Ug6_741_743_L_0						
71 D	36.89	8.5236E-05	96.62	63.05	138.0	69.38		UL-RL	3.0743E+04	-14.00	121.4
1.000	1.000	184.4	0.000	0.000	Ug6_741_743_L_0						
72 D	37.49	8.3059E-05	98.21	63.88	139.8	70.27		UL-RL	3.0743E+04	-14.20	123.6
1.000	1.000	187.5	0.000	0.000	Ug6_741_743_L_0						
73 D	38.10	8.1347E-05	99.81	64.73	141.6	71.16		UL-RL	3.0743E+04	-14.40	125.8
1.000	1.000	190.5	0.000	0.000	Ug6_741_743_L_0						
74 D	38.72	7.9998E-05	101.4	65.58	143.4	72.05		UL-RL	3.0743E+04	-14.60	128.0
1.000	1.000	193.6	0.000	0.000	Ug6_741_743_L_0						
75 D	39.33	7.8925E-05	103.0	66.44	145.2	72.94		UL-RL	3.0743E+04	-14.80	130.2
1.000	1.000	196.6	0.000	0.000	Ug6_741_743_L_0						
76 D	39.94	7.8053E-05	104.6	67.31	147.0	73.84		UL-RL	3.0743E+04	-15.00	132.4
1.000	1.000	199.7	0.000	0.000	Ug6_741_743_L_0						
77 D	40.56	7.7319E-05	106.2	68.18	148.8	74.73		UL-RL	3.0743E+04	-15.20	134.6
1.000	1.000	202.8	0.000	0.000	Ug6_741_743_L_0						
78 D	41.18	7.6674E-05	107.8	69.06	150.6	75.62		UL-RL	3.0743E+04	-15.40	136.8
1.000	1.000	205.9	0.000	0.000	Ug6_741_743_L_0						
79 D	41.79	7.6079E-05	109.4	69.93	152.4	76.51		UL-RL	3.0743E+04	-15.60	139.0
1.000	1.000	209.0	0.000	0.000	Ug6_741_743_L_0						
80 D	42.41	7.5507E-05	111.0	70.81	154.2	77.40		UL-RL	3.0743E+04	-15.80	141.2
1.000	1.000	212.1	0.000	0.000	Ug6_741_743_L_0						
81 D	21.51	7.4942E-05	112.6	71.69	156.0	78.29		UL-RL	3.0743E+04	-16.00	143.4
1.000	1.000	215.1	0.000	0.000	Ug6_741_743_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.62731E-09-1.62731E-09 1.62138E-10-4.21281E-10
    2 0.49994    -0.49994     6.56542E-10 9.99874E-02
    3  1.5024     -1.5024    -9.99874E-02 0.40047
    4  3.0107     -3.0107    -0.40047      1.0026
    5  5.0274     -5.0274     -1.0026      2.0081
    6  7.5534     -7.5534     -2.0081      3.5188
    7  10.589     -10.589     -3.5188      5.6366
    8  14.141     -14.141     -5.6366      8.4647
    9  18.211     -18.211     -8.4647      12.107
   10  22.786     -22.786     -12.107      16.664
   11  27.875     -27.875     -16.664      22.239
   12  33.476     -33.476     -22.239      28.934
   13  39.578     -39.578     -28.934      36.850
   14  46.189     -46.189     -36.850      46.088
   15  53.307     -53.307     -46.088      56.749
   16  60.932     -60.932     -56.749      68.936
   17  66.974     -66.974     -68.936      82.330
   18  71.439     -71.439     -82.330      96.618
   19  74.325     -74.325     -96.618      111.48
   20  75.627     -75.627     -111.48      126.61
   21  75.350     -75.350     -126.61      141.68
   22  73.494     -73.494     -141.68      156.38
   23  70.054     -70.054     -156.38      170.39
   24  65.034     -65.034     -170.39      183.40
   25  58.434     -58.434     -183.40      195.08
   26  50.311     -50.311     -195.08      205.14
   27  42.718     -42.718     -205.14      213.69
   28  35.638     -35.638     -213.69      220.82
   29  29.052     -29.052     -220.82      226.63
   30  22.933     -22.933     -226.63      231.21
   31  17.264     -17.264     -231.21      234.66
   32  12.021     -12.021     -234.66      237.07
   33  7.1798     -7.1798     -237.07      238.51
   34  2.7196     -2.7196     -238.51      239.05
   35 -1.3824      1.3824     -239.05      238.77
   36 -5.1492      5.1492     -238.77      237.74
   37 -8.6063      8.6063     -237.74      236.02
   38 -11.774      11.774     -236.02      233.67
   39 -14.674      14.674     -233.67      230.73
   40 -17.331      17.331     -230.73      227.27
   41 -19.766      19.766     -227.27      223.31
   42 -21.999      21.999     -223.31      218.91
   43 -24.053      24.053     -218.91      214.10
   44 -25.947      25.947     -214.10      208.91
   45 -27.701      27.701     -208.91      203.37
   46 -29.335      29.335     -203.37      197.51
   47 -30.869      30.869     -197.51      191.33
   48 -32.319      32.319     -191.33      184.87
   49 -33.704      33.704     -184.87      178.13
   50 -35.041      35.041     -178.13      171.12
   51 -36.346      36.346     -171.12      163.85
   52 -37.634      37.634     -163.85      156.32
   53 -38.921      38.921     -156.32      148.54
   54 -40.220      40.220     -148.54      140.50
   55 -41.543      41.543     -140.50      132.19
   56 -42.905      42.905     -132.19      123.61
   57 -44.029      44.029     -123.61      114.80
   58 -44.785      44.785     -114.80      105.84
   59 -45.190      45.190     -105.84      96.805
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   60 -45.209      45.209     -96.805      87.763
   61 -44.905      44.905     -87.763      78.782
   62 -42.566      42.566     -78.782      70.269
   63 -40.130      40.130     -70.269      62.243
   64 -37.625      37.625     -62.243      54.718
   65 -35.075      35.075     -54.718      47.703
   66 -32.504      32.504     -47.703      41.202
   67 -29.949      29.949     -41.202      35.212
   68 -27.419      27.419     -35.212      29.728
   69 -24.925      24.925     -29.728      24.743
   70 -22.473      22.473     -24.743      20.249
   71 -20.064      20.064     -20.249      16.236
   72 -17.703      17.703     -16.236      12.695
   73 -15.394      15.394     -12.695      9.6165
   74 -13.142      13.142     -9.6165      6.9882
   75 -10.948      10.948     -6.9882      4.7986
   76 -8.8147      8.8147     -4.7986      3.0357
   77 -6.7436      6.7436     -3.0357      1.6869
   78 -4.7353      4.7353     -1.6869     0.73987
   79 -2.7904      2.7904    -0.73987     0.18180
   80-0.90894     0.90894    -0.18180     1.66134E-12

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2984E+06 RIMNOR=0.3182E+07
           RENORM= 1113.     REMNOR=0.2914E-18 RATIO =0.6108E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 75.63     RMMAX = 239.0
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2984E+06 RDR   =0.3182E+07
           RATIOT=0.6108E-01 RATIOR= 0.000
           MAX UN= 10.45     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1182     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2984E+06 RIMNOR=0.3182E+07
           RENORM= 383.5     REMNOR=0.3997E-18 RATIO =0.3585E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 75.63     RMMAX = 239.0
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2984E+06 RDR   =0.3182E+07
           RATIOT=0.3585E-01 RATIOR= 0.000
           MAX UN= 4.811     IEQ=    59 NODE     30 DOF   1  Y-DISPL.F
           MIN UN=-.2853E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2984E+06 RIMNOR=0.3182E+07
           RENORM= 347.0     REMNOR=0.4908E-17 RATIO =0.3410E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 75.63     RMMAX = 239.0
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2984E+06 RDR   =0.3182E+07
           RATIOT=0.3410E-01 RATIOR= 0.000
           MAX UN= 11.02     IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-1.849     IEQ=   159 NODE     80 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2984E+06 RIMNOR=0.3182E+07
           RENORM= 5.136     REMNOR=0.4095E-17 RATIO =0.4149E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 75.63     RMMAX = 239.0
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2984E+06 RDR   =0.3182E+07
           RATIOT=0.4149E-02 RATIOR= 0.000
           MAX UN= 2.236     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.6865E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.2984E+06 RIMNOR=0.3182E+07
           RENORM=0.1262E-03 REMNOR=0.1640E-17 RATIO =0.2056E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 75.63     RMMAX = 239.0
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-02
           RDT   =0.2984E+06 RDR   =0.3182E+07
           RATIOT=0.2056E-04 RATIOR= 0.000
           MAX UN=0.8207E-08 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.1053E-01 IEQ=   137 NODE     69 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.8957013E-02  -3.1028633E-03
    2   2.8336441E-02  -3.1028633E-03
    3   2.7715869E-02  -3.1028564E-03
    4   2.7095300E-02  -3.1028215E-03
    5   2.6474744E-02  -3.1027238E-03
    6   2.5854218E-02  -3.1025141E-03
    7   2.5233750E-02  -3.1021291E-03
    8   2.4613383E-02  -3.1014914E-03
    9   2.3993177E-02  -3.1005092E-03
   10   2.3373210E-02  -3.0990762E-03
   11   2.2753584E-02  -3.0970720E-03
   12   2.2134428E-02  -3.0943619E-03
   13   2.1515896E-02  -3.0907971E-03
   14   2.0898177E-02  -3.0862143E-03
   15   2.0281490E-02  -3.0804365E-03
   16   1.9666095E-02  -3.0732723E-03
   17   1.9052284E-02  -3.0645164E-03
   18   1.8440406E-02  -3.0539492E-03
   19   1.7830841E-02  -3.0413373E-03
   20   1.7224024E-02  -3.0264332E-03
   21   1.6620441E-02  -3.0089753E-03
   22   1.6020625E-02  -2.9886881E-03
   23   1.5425172E-02  -2.9653108E-03
   24   1.4834721E-02  -2.9386265E-03
   25   1.4249953E-02  -2.9084620E-03
   26   1.3671577E-02  -2.8746876E-03
   27   1.3100327E-02  -2.8372178E-03
   28   1.2536942E-02  -2.7960100E-03
   29   1.1982173E-02  -2.7510661E-03
   30   1.1436762E-02  -2.7024314E-03
   31   1.0901440E-02  -2.6501949E-03
   32   1.0376918E-02  -2.5944899E-03
   33   9.8638662E-03  -2.5354924E-03
   34   9.3629255E-03  -2.4734229E-03
   35   8.8746843E-03  -2.4085456E-03
   36   8.3996740E-03  -2.3411684E-03
   37   7.9383624E-03  -2.2716431E-03
   38   7.4911360E-03  -2.2003638E-03
   39   7.0583070E-03  -2.1277338E-03
   40   6.6401074E-03  -2.0541302E-03
   41   6.2366963E-03  -1.9799055E-03
   42   5.8481646E-03  -1.9053888E-03
   43   5.4745398E-03  -1.8308867E-03
   44   5.1157900E-03  -1.7566845E-03
   45   4.7718300E-03  -1.6830476E-03
   46   4.4425186E-03  -1.6102214E-03
   47   4.1276722E-03  -1.5384342E-03
   48   3.8270616E-03  -1.4678971E-03
   49   3.5404170E-03  -1.3988051E-03
   50   3.2674325E-03  -1.3313390E-03
   51   3.0077633E-03  -1.2656645E-03
   52   2.7610310E-03  -1.2019337E-03
   53   2.5268558E-03  -1.1402945E-03
   54   2.3047774E-03  -1.0808697E-03
   55   2.0943521E-03  -1.0237825E-03
   56   1.8951011E-03  -9.6914418E-04
   57   1.7065243E-03  -9.1705701E-04
   58   1.5281019E-03  -8.6761574E-04
   59   1.3592958E-03  -8.2090809E-04
   60   1.1995510E-03  -7.7701538E-04
   61   1.0482969E-03  -7.3601329E-04
   62   9.0494827E-04  -6.9797242E-04
   63   7.6890966E-04  -6.6290579E-04
```

64	6.3959059E-04	-6.3076949E-04
65	5.1640966E-04	-6.0151637E-04
66	3.9879519E-04	-5.7509617E-04
67	2.8618621E-04	-5.5145059E-04
68	1.7803470E-04	-5.3050869E-04
69	7.3808356E-05	-5.1218251E-04
70	-2.7005296E-05	-4.9636128E-04
71	-1.2489445E-04	-4.8291447E-04
72	-2.2031965E-04	-4.7169622E-04
73	-3.1371079E-04	-4.6254574E-04
74	-4.0546412E-04	-4.5528778E-04
75	-4.9593945E-04	-4.4973300E-04
76	-5.8545732E-04	-4.4567827E-04
77	-6.7429631E-04	-4.4290685E-04
78	-7.6269027E-04	-4.4118860E-04
79	-8.5082573E-04	-4.4028007E-04
80	-9.3883917E-04	-4.3992453E-04
81	-1.0268188E-03	-4.3985210E-04

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                              |
 |                                 Exe Time :24 May 2018       18:25:50                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.8957E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4892     -2.8336E-02   2.294      0.7317       2.294       1.603          ACTIVE   0.000     -0.2000       1.714
1.000       1.000       2.446       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9810     -2.7716E-02   4.628       1.476       4.628       3.119          ACTIVE   0.000     -0.4000       3.429
1.000       1.000       4.905       0.000       0.000     Ug5_2_8_L_0
   4 D   1.476     -2.7095E-02   7.015       2.238       7.015       4.509          ACTIVE   0.000     -0.6000       5.143
1.000       1.000       7.381       0.000       0.000     Ug5_2_8_L_0
   5 D   1.974     -2.6475E-02   9.440       3.011       9.440       5.780          ACTIVE   0.000     -0.8000       6.857
1.000       1.000       9.869       0.000       0.000     Ug5_2_8_L_0
   6 D   2.472     -2.5854E-02   11.88       3.790       11.88       6.958          ACTIVE   0.000      -1.000       8.571
1.000       1.000       12.36       0.000       0.000     Ug5_2_8_L_0
   7 D   2.971     -2.5234E-02   14.32       4.570       14.32       8.073          ACTIVE   0.000      -1.200       10.29
1.000       1.000       14.86       0.000       0.000     Ug5_2_8_L_0
   8 D   3.477     -2.4613E-02   16.87       5.383       16.87       9.145          ACTIVE   0.000      -1.400       12.00
1.000       1.000       17.38       0.000       0.000     Ug5_2_8_L_0
   9 D   3.985     -2.3993E-02   19.46       6.208       19.46       10.19          ACTIVE   0.000      -1.600       13.71
1.000       1.000       19.92       0.000       0.000     Ug5_2_8_L_0
  10 D   4.479     -2.3373E-02   21.84       6.966       21.84       11.22          ACTIVE   0.000      -1.800       15.43
1.000       1.000       22.39       0.000       0.000     Ug5_2_8_L_0
  11 D   4.982     -2.2754E-02   24.34       7.765       24.34       12.23          ACTIVE   0.000      -2.000       17.14
1.000       1.000       24.91       0.000       0.000     Ug5_2_8_L_0
  12 D   5.482     -2.2134E-02   26.81       8.553       26.81       13.24          ACTIVE   0.000      -2.200       18.86
1.000       1.000       27.41       0.000       0.000     Ug5_2_8_L_0
  13 D   5.973     -2.1516E-02   29.14       9.295       29.14       14.24          ACTIVE   0.000      -2.400       20.57
1.000       1.000       29.87       0.000       0.000     Ug5_2_8_L_0
  14 D   6.471     -2.0898E-02   31.57       10.07       31.57       15.24          ACTIVE   0.000      -2.600       22.29
1.000       1.000       32.36       0.000       0.000     Ug5_2_8_L_0
  15 D   6.968     -2.0281E-02   33.98       10.84       33.98       16.23          ACTIVE   0.000      -2.800       24.00
1.000       1.000       34.84       0.000       0.000     Ug5_2_8_L_0
  16 D   7.464     -1.9666E-02   36.38       11.61       36.38       17.23          ACTIVE   0.000      -3.000       25.71
1.000       1.000       37.32       0.000       0.000     Ug5_2_8_L_0
  17 D   7.953     -1.9052E-02   38.68       12.34       38.68       18.22          ACTIVE   0.000      -3.200       27.43
1.000       1.000       39.77       0.000       0.000     Ug5_2_8_L_0
  18 D   8.448     -1.8440E-02   41.06       13.10       41.06       19.21          ACTIVE   0.000      -3.400       29.14
1.000       1.000       42.24       0.000       0.000     Ug5_2_8_L_0
  19 D   8.942     -1.7831E-02   43.43       13.85       43.43       20.21          ACTIVE   0.000      -3.600       30.86
1.000       1.000       44.71       0.000       0.000     Ug5_2_8_L_0
  20 D   9.431     -1.7224E-02   45.72       14.58       45.72       21.20          ACTIVE   0.000      -3.800       32.57
1.000       1.000       47.16       0.000       0.000     Ug5_2_8_L_0
  21 D   9.924     -1.6620E-02   48.08       15.34       48.08       22.19          ACTIVE   0.000      -4.000       34.29
1.000       1.000       49.62       0.000       0.000     Ug5_2_8_L_0
  22 D   10.42     -1.6021E-02   50.43       16.09       50.43       23.18          ACTIVE   0.000      -4.200       36.00
1.000       1.000       52.09       0.000       0.000     Ug5_2_8_L_0
  23 D   10.91     -1.5425E-02   52.71       16.81       52.71       24.18          ACTIVE   0.000      -4.400       37.71
1.000       1.000       54.53       0.000       0.000     Ug5_2_8_L_0
  24 D   11.40     -1.4835E-02   55.06       17.56       55.06       25.17          ACTIVE   0.000      -4.600       39.43
1.000       1.000       56.99       0.000       0.000     Ug5_2_8_L_0
  25 D   11.89     -1.4250E-02   57.40       18.31       57.40       26.17          ACTIVE   0.000      -4.800       41.14
1.000       1.000       59.45       0.000       0.000     Ug5_2_8_L_0
  26 D   12.38     -1.3672E-02   59.73       19.05       59.73       27.16          ACTIVE   0.000      -5.000       42.86
1.000       1.000       61.91       0.000       0.000     Ug5_2_8_L_0
  27 D   12.87     -1.3100E-02   62.01       19.78       62.01       28.16          ACTIVE   0.000      -5.200       44.57
1.000       1.000       64.35       0.000       0.000     Ug5_2_8_L_0
  28 D   13.36     -1.2537E-02   64.34       20.53       64.34       29.16          ACTIVE   0.000      -5.400       46.29
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1.000	1.000	66.81	0.000	0.000	Ug5_2_8_L_0					
29 D	13.85	-1.1982E-02	66.67	21.27	66.67	30.15	ACTIVE	0.000	-5.600	48.00
1.000	1.000	69.27	0.000	0.000	Ug5_2_8_L_0					
30 D	14.34	-1.1437E-02	68.95	21.99	68.95	31.15	ACTIVE	0.000	-5.800	49.71
1.000	1.000	71.71	0.000	0.000	Ug5_2_8_L_0					
31 D	14.83	-1.0901E-02	71.27	22.74	71.27	32.15	ACTIVE	0.000	-6.000	51.43
1.000	1.000	74.16	0.000	0.000	Ug5_2_8_L_0					
32 D	15.32	-1.0377E-02	73.59	23.48	73.59	33.15	ACTIVE	0.000	-6.200	53.14
1.000	1.000	76.62	0.000	0.000	Ug5_2_8_L_0					
33 D	15.81	-9.8639E-03	75.87	24.20	75.87	34.15	ACTIVE	0.000	-6.400	54.86
1.000	1.000	79.06	0.000	0.000	Ug5_2_8_L_0					
34 D	16.30	-9.3629E-03	78.19	24.94	78.19	35.15	ACTIVE	0.000	-6.600	56.57
1.000	1.000	81.51	0.000	0.000	Ug5_2_8_L_0					
35 D	16.79	-8.8747E-03	80.51	25.68	80.51	36.15	ACTIVE	0.000	-6.800	58.29
1.000	1.000	83.97	0.000	0.000	Ug5_2_8_L_0					
36 D	17.28	-8.3997E-03	82.82	26.42	82.82	37.16	ACTIVE	0.000	-7.000	60.00
1.000	1.000	86.42	0.000	0.000	Ug5_2_8_L_0					
37 D	17.77	-7.9384E-03	85.10	27.15	85.10	38.16	ACTIVE	0.000	-7.200	61.71
1.000	1.000	88.86	0.000	0.000	Ug5_2_8_L_0					
38 D	18.26	-7.4911E-03	87.41	27.88	87.41	39.16	ACTIVE	0.000	-7.400	63.43
1.000	1.000	91.31	0.000	0.000	Ug5_2_8_L_0					
39 D	18.75	-7.0583E-03	89.72	28.62	89.72	40.17	ACTIVE	0.000	-7.600	65.14
1.000	1.000	93.76	0.000	0.000	Ug5_2_8_L_0					
40 D	19.24	-6.6401E-03	92.00	29.35	92.00	41.17	ACTIVE	0.000	-7.800	66.86
1.000	1.000	96.20	0.000	0.000	Ug5_2_8_L_0					
41 D	19.73	-6.2367E-03	94.31	30.08	94.31	42.18	ACTIVE	0.000	-8.000	68.57
1.000	1.000	98.66	0.000	0.000	Ug5_2_8_L_0					
42 D	20.22	-5.8482E-03	96.62	30.82	96.62	43.19	ACTIVE	0.000	-8.200	70.29
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0					
43 D	20.71	-5.4745E-03	98.89	31.55	98.89	44.19	ACTIVE	0.000	-8.400	72.00
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0					
44 D	21.20	-5.1158E-03	101.2	32.28	101.2	45.20	ACTIVE	0.000	-8.600	73.71
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0					
45 D	21.69	-4.7718E-03	103.5	33.02	103.5	46.21	ACTIVE	0.000	-8.800	75.43
1.000	1.000	108.4	0.000	0.000	Ug5_2_8_L_0					
46 D	22.18	-4.4425E-03	105.8	33.75	105.8	47.22	ACTIVE	0.000	-9.000	77.14
1.000	1.000	110.9	0.000	0.000	Ug5_2_8_L_0					
47 D	22.67	-4.1277E-03	108.1	34.48	108.1	48.23	ACTIVE	0.000	-9.200	78.86
1.000	1.000	113.3	0.000	0.000	Ug5_2_8_L_0					
48 D	23.16	-3.8271E-03	110.4	35.22	110.4	49.24	ACTIVE	0.000	-9.400	80.57
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0					
49 D	23.65	-3.5404E-03	112.7	35.95	112.7	50.26	ACTIVE	0.000	-9.600	82.29
1.000	1.000	118.2	0.000	0.000	Ug5_2_8_L_0					
50 D	24.14	-3.2674E-03	115.0	36.68	115.0	51.27	ACTIVE	0.000	-9.800	84.00
1.000	1.000	120.7	0.000	0.000	Ug5_2_8_L_0					
51 D	24.62	-3.0078E-03	117.3	37.41	117.3	52.28	ACTIVE	0.000	-10.00	85.71
1.000	1.000	123.1	0.000	0.000	Ug5_2_8_L_0					
52 D	25.11	-2.7610E-03	119.6	38.15	119.6	53.29	ACTIVE	0.000	-10.20	87.43
1.000	1.000	125.6	0.000	0.000	Ug5_2_8_L_0					
53 D	25.60	-2.5269E-03	121.9	38.87	121.9	54.31	ACTIVE	0.000	-10.40	89.14
1.000	1.000	128.0	0.000	0.000	Ug5_2_8_L_0					
54 D	26.09	-2.3048E-03	124.2	39.61	124.2	55.32	ACTIVE	0.000	-10.60	90.86
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0					
55 D	26.58	-2.0944E-03	126.5	40.34	126.5	56.34	ACTIVE	0.000	-10.80	92.57
1.000	1.000	132.9	0.000	0.000	Ug5_2_8_L_0					
56 D	27.07	-1.8951E-03	128.8	41.07	128.8	57.35	ACTIVE	0.000	-11.00	94.29
1.000	1.000	135.4	0.000	0.000	Ug5_2_8_L_0					
57 D	27.56	-1.7065E-03	131.0	41.80	131.0	58.37	ACTIVE	0.000	-11.20	96.00
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0					
58 D	28.05	-1.5281E-03	133.3	42.53	133.3	59.39	ACTIVE	0.000	-11.40	97.71
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0					
59 D	28.54	-1.3593E-03	135.6	43.27	135.6	60.40	ACTIVE	0.000	-11.60	99.43
1.000	1.000	142.7	0.000	0.000	Ug5_2_8_L_0					
60 D	29.03	-1.1996E-03	137.9	43.99	137.9	61.42	ACTIVE	0.000	-11.80	101.1
1.000	1.000	145.1	0.000	0.000	Ug5_2_8_L_0					
61 D	29.52	-1.0483E-03	140.2	44.73	140.2	62.44	ACTIVE	0.000	-12.00	102.9
1.000	1.000	147.6	0.000	0.000	Ug5_2_8_L_0					
62 D	33.11	-9.0495E-04	142.3	60.99	142.3	63.36	ACTIVE	0.000	-12.20	104.6
1.000	1.000	165.6	0.000	0.000	Ug6_741_743_L_0					
63 D	33.65	-7.6891E-04	144.4	61.97	144.4	64.63	ACTIVE	0.000	-12.40	106.3
1.000	1.000	168.3	0.000	0.000	Ug6_741_743_L_0					
64 D	34.19	-6.3959E-04	146.5	62.94	146.5	65.98	ACTIVE	0.000	-12.60	108.0
1.000	1.000	170.9	0.000	0.000	Ug6_741_743_L_0					
65 D	34.72	-5.1641E-04	148.6	63.91	148.6	67.26	ACTIVE	0.000	-12.80	109.7
1.000	1.000	173.6	0.000	0.000	Ug6_741_743_L_0					
66 D	35.26	-3.9880E-04	150.6	64.87	150.6	68.46	ACTIVE	0.000	-13.00	111.4
1.000	1.000	176.3	0.000	0.000	Ug6_741_743_L_0					
67 D	35.79	-2.8619E-04	152.7	65.83	152.7	69.54	ACTIVE	0.000	-13.20	113.1
1.000	1.000	179.0	0.000	0.000	Ug6_741_743_L_0					
68 D	36.68	-1.7803E-04	154.7	68.57	154.7	70.60	UL-RL	2.4701E+04	-13.40	114.9
1.000	1.000	183.4	0.000	0.000	Ug6_741_743_L_0					

69 D	37.66	-7.3808E-05	156.8	71.73	156.8	71.81	UL-RL	2.4701E+04	-13.60	116.6
1.000	1.000	188.3	0.000	0.000	Ug6_741_743_L_0					
70 D	38.38	2.7005E-05	158.8	73.60	158.8	73.62	UL-RL	2.4701E+04	-13.80	118.3
1.000	1.000	191.9	0.000	0.000	Ug6_741_743_L_0					
71 D	39.09	1.2489E-04	160.9	75.45	160.9	75.45	V-C	8234.	-14.00	120.0
1.000	1.000	195.5	0.000	0.000	Ug6_741_743_L_0					
72 D	39.80	2.2032E-04	162.9	77.26	162.9	77.26	V-C	8234.	-14.20	121.7
1.000	1.000	199.0	0.000	0.000	Ug6_741_743_L_0					
73 D	40.50	3.1371E-04	165.0	79.05	165.0	79.05	V-C	8234.	-14.40	123.4
1.000	1.000	202.5	0.000	0.000	Ug6_741_743_L_0					
74 D	41.19	4.0546E-04	167.1	80.82	167.1	80.82	V-C	8234.	-14.60	125.1
1.000	1.000	206.0	0.000	0.000	Ug6_741_743_L_0					
75 D	41.89	4.9594E-04	169.1	82.58	169.1	82.58	V-C	8234.	-14.80	126.9
1.000	1.000	209.4	0.000	0.000	Ug6_741_743_L_0					
76 D	42.58	5.8546E-04	171.2	84.33	171.2	84.33	V-C	8234.	-15.00	128.6
1.000	1.000	212.9	0.000	0.000	Ug6_741_743_L_0					
77 D	43.27	6.7430E-04	173.2	86.07	173.2	86.07	V-C	8234.	-15.20	130.3
1.000	1.000	216.4	0.000	0.000	Ug6_741_743_L_0					
78 D	43.96	7.6269E-04	175.3	87.80	175.3	87.80	V-C	8234.	-15.40	132.0
1.000	1.000	219.8	0.000	0.000	Ug6_741_743_L_0					
79 D	44.65	8.5083E-04	177.4	89.54	177.4	89.54	V-C	8234.	-15.60	133.7
1.000	1.000	223.3	0.000	0.000	Ug6_741_743_L_0					
80 D	45.34	9.3884E-04	179.4	91.27	179.4	91.27	V-C	8234.	-15.80	135.4
1.000	1.000	226.7	0.000	0.000	Ug6_741_743_L_0					
81 D	23.01	1.0268E-03	181.5	93.00	181.5	93.00	V-C	8234.	-16.00	137.1
1.000	1.000	230.1	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
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New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      1.6620E-02   0.000       0.000       40.00       43.37       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.027      1.6021E-02   1.714       7.848       42.00       49.25       PASSIVE   0.000       -4.200       2.286
1.000       1.000       10.13       0.000       0.000     Ug5_2_8_L_0
  23 D   4.053      1.5425E-02   3.429       15.70       44.00       57.46       PASSIVE   0.000       -4.400       4.571
1.000       1.000       20.27       0.000       0.000     Ug5_2_8_L_0
  24 D   6.080      1.4835E-02   5.143       23.54       46.00       65.67       PASSIVE   0.000       -4.600       6.857
1.000       1.000       30.40       0.000       0.000     Ug5_2_8_L_0
  25 D   8.107      1.4250E-02   6.857       31.39       48.00       73.88       PASSIVE   0.000       -4.800       9.143
1.000       1.000       40.53       0.000       0.000     Ug5_2_8_L_0
  26 D   10.13      1.3672E-02   8.571       39.24       50.00       81.80       PASSIVE   0.000       -5.000       11.43
1.000       1.000       50.67       0.000       0.000     Ug5_2_8_L_0
  27 D   12.16      1.3100E-02   10.29       47.09       52.00       79.44       PASSIVE   0.000       -5.200       13.71
1.000       1.000       60.80       0.000       0.000     Ug5_2_8_L_0
  28 D   14.19      1.2537E-02   12.00       54.94       54.00       77.17       PASSIVE   0.000       -5.400       16.00
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1.000	1.000	70.94	0.000	0.000	Ug5_2_8_L_0						
29 D	16.21	1.1982E-02	13.71	62.78	56.00	75.01	PASSIVE	0.000	-5.600	18.29	
1.000	1.000	81.07	0.000	0.000	Ug5_2_8_L_0						
30 D	18.24	1.1437E-02	15.43	70.63	58.00	72.96	PASSIVE	0.000	-5.800	20.57	
1.000	1.000	91.20	0.000	0.000	Ug5_2_8_L_0						
31 D	20.27	1.0901E-02	17.14	78.48	60.00	78.48	PASSIVE	0.000	-6.000	22.86	
1.000	1.000	101.3	0.000	0.000	Ug5_2_8_L_0						
32 D	22.29	1.0377E-02	18.86	86.33	62.00	86.33	PASSIVE	0.000	-6.200	25.14	
1.000	1.000	111.5	0.000	0.000	Ug5_2_8_L_0						
33 D	24.32	9.8639E-03	20.57	94.18	64.00	94.18	PASSIVE	0.000	-6.400	27.43	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
34 D	26.35	9.3629E-03	22.29	102.0	66.00	102.0	PASSIVE	0.000	-6.600	29.71	
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0						
35 D	28.37	8.8747E-03	24.00	109.9	68.00	109.9	PASSIVE	0.000	-6.800	32.00	
1.000	1.000	141.9	0.000	0.000	Ug5_2_8_L_0						
36 D	30.40	8.3997E-03	25.71	117.7	70.00	117.7	PASSIVE	0.000	-7.000	34.29	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
37 D	32.39	7.9384E-03	27.43	125.4	72.00	125.4	V-C	1.0591E+04	-7.200	36.57	
1.000	1.000	161.9	0.000	0.000	Ug5_2_8_L_0						
38 D	31.95	7.4911E-03	29.14	120.9	74.00	120.9	V-C	1.0591E+04	-7.400	38.86	
1.000	1.000	159.8	0.000	0.000	Ug5_2_8_L_0						
39 D	31.56	7.0583E-03	30.86	116.6	76.00	116.6	V-C	1.0591E+04	-7.600	41.14	
1.000	1.000	157.8	0.000	0.000	Ug5_2_8_L_0						
40 D	31.20	6.6401E-03	32.57	112.6	78.00	112.6	V-C	1.0591E+04	-7.800	43.43	
1.000	1.000	156.0	0.000	0.000	Ug5_2_8_L_0						
41 D	30.88	6.2367E-03	34.29	108.7	80.00	108.7	V-C	1.0591E+04	-8.000	45.71	
1.000	1.000	154.4	0.000	0.000	Ug5_2_8_L_0						
42 D	30.61	5.8482E-03	36.00	105.0	82.00	105.0	V-C	1.0591E+04	-8.200	48.00	
1.000	1.000	153.0	0.000	0.000	Ug5_2_8_L_0						
43 D	30.37	5.4745E-03	37.71	101.6	84.00	101.6	V-C	1.0591E+04	-8.400	50.29	
1.000	1.000	151.8	0.000	0.000	Ug5_2_8_L_0						
44 D	30.17	5.1158E-03	39.43	98.26	86.00	98.26	V-C	1.0591E+04	-8.600	52.57	
1.000	1.000	150.8	0.000	0.000	Ug5_2_8_L_0						
45 D	30.00	4.7718E-03	41.14	95.17	88.00	95.17	V-C	1.0591E+04	-8.800	54.86	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
46 D	29.88	4.4425E-03	42.86	92.26	90.00	92.26	V-C	1.0591E+04	-9.000	57.14	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
47 D	29.79	4.1277E-03	44.57	89.54	92.00	89.54	V-C	1.0591E+04	-9.200	59.43	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
48 D	29.74	3.8271E-03	46.29	87.00	94.00	87.00	V-C	1.0591E+04	-9.400	61.71	
1.000	1.000	148.7	0.000	0.000	Ug5_2_8_L_0						
49 D	29.73	3.5404E-03	48.00	84.63	96.00	84.63	V-C	1.0591E+04	-9.600	64.00	
1.000	1.000	148.6	0.000	0.000	Ug5_2_8_L_0						
50 D	29.75	3.2674E-03	49.71	82.44	98.00	82.44	V-C	1.0591E+04	-9.800	66.29	
1.000	1.000	148.7	0.000	0.000	Ug5_2_8_L_0						
51 D	29.80	3.0078E-03	51.43	80.42	100.00	80.42	V-C	1.0591E+04	-10.00	68.57	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
52 D	29.88	2.7610E-03	53.14	78.56	102.0	78.56	V-C	1.0591E+04	-10.20	70.86	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
53 D	30.00	2.5269E-03	54.86	76.86	104.0	76.86	V-C	1.0591E+04	-10.40	73.14	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
54 D	30.15	2.3048E-03	56.57	75.31	106.0	75.31	V-C	1.0591E+04	-10.60	75.43	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
55 D	30.32	2.0944E-03	58.29	73.91	108.0	73.91	V-C	1.0591E+04	-10.80	77.71	
1.000	1.000	151.6	0.000	0.000	Ug5_2_8_L_0						
56 D	30.53	1.8951E-03	60.00	72.64	110.0	72.64	V-C	1.0591E+04	-11.00	80.00	
1.000	1.000	152.6	0.000	0.000	Ug5_2_8_L_0						
57 D	30.76	1.7065E-03	61.71	71.50	112.0	71.50	V-C	1.0591E+04	-11.20	82.29	
1.000	1.000	153.8	0.000	0.000	Ug5_2_8_L_0						
58 D	31.01	1.5281E-03	63.43	70.49	114.0	70.49	V-C	1.0591E+04	-11.40	84.57	
1.000	1.000	155.1	0.000	0.000	Ug5_2_8_L_0						
59 D	31.29	1.3593E-03	65.14	69.60	116.0	69.60	V-C	1.0591E+04	-11.60	86.86	
1.000	1.000	156.5	0.000	0.000	Ug5_2_8_L_0						
60 D	31.59	1.1996E-03	66.86	68.81	118.0	68.81	V-C	1.0591E+04	-11.80	89.14	
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0						
61 D	31.91	1.0483E-03	68.57	68.13	120.0	68.13	V-C	1.0591E+04	-12.00	91.43	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						
62 D	31.63	9.0495E-04	70.09	64.44	121.8	64.44	V-C	7686.	-12.20	93.71	
1.000	1.000	158.2	0.000	0.000	Ug6_741_743_L_0						
63 D	32.05	7.6891E-04	71.60	64.24	123.6	64.24	V-C	7686.	-12.40	96.00	
1.000	1.000	160.2	0.000	0.000	Ug6_741_743_L_0						
64 D	32.48	6.3959E-04	73.11	64.10	125.4	64.10	V-C	7686.	-12.60	98.29	
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0						
65 D	32.90	5.1641E-04	74.63	63.95	127.2	64.05	UL-RL	2.3057E+04	-12.80	100.6	
1.000	1.000	164.5	0.000	0.000	Ug6_741_743_L_0						
66 D	32.98	3.9880E-04	76.14	62.06	129.0	64.94	UL-RL	2.3057E+04	-13.00	102.9	
1.000	1.000	164.9	0.000	0.000	Ug6_741_743_L_0						
67 D	33.09	2.8619E-04	77.66	60.29	130.8	65.83	UL-RL	2.3057E+04	-13.20	105.1	
1.000	1.000	165.4	0.000	0.000	Ug6_741_743_L_0						
68 D	33.21	1.7803E-04	79.17	58.64	132.6	66.72	UL-RL	2.3057E+04	-13.40	107.4	
1.000	1.000	166.1	0.000	0.000	Ug6_741_743_L_0						

69 D	33.36	7.3808E-05	80.69	57.08	134.4	67.60	UL-RL	2.3057E+04	-13.60	109.7
1.000	1.000	166.8	0.000	0.000	Ug6_741_743_L_0					
70 D	33.52	-2.7005E-05	82.20	55.61	136.2	68.49	UL-RL	2.3057E+04	-13.80	112.0
1.000	1.000	167.6	0.000	0.000	Ug6_741_743_L_0					
71 D	33.70	-1.2489E-04	83.71	54.21	138.0	69.38	UL-RL	2.3057E+04	-14.00	114.3
1.000	1.000	168.5	0.000	0.000	Ug6_741_743_L_0					
72 D	33.89	-2.2032E-04	85.23	52.88	139.8	70.27	UL-RL	2.3057E+04	-14.20	116.6
1.000	1.000	169.4	0.000	0.000	Ug6_741_743_L_0					
73 D	34.09	-3.1371E-04	86.74	51.59	141.6	71.16	UL-RL	2.3057E+04	-14.40	118.9
1.000	1.000	170.4	0.000	0.000	Ug6_741_743_L_0					
74 D	34.30	-4.0546E-04	88.26	50.34	143.4	72.05	UL-RL	2.3057E+04	-14.60	121.1
1.000	1.000	171.5	0.000	0.000	Ug6_741_743_L_0					
75 D	34.51	-4.9594E-04	89.77	49.13	145.2	72.94	UL-RL	2.3057E+04	-14.80	123.4
1.000	1.000	172.6	0.000	0.000	Ug6_741_743_L_0					
76 D	34.73	-5.8546E-04	91.29	47.94	147.0	73.84	UL-RL	2.3057E+04	-15.00	125.7
1.000	1.000	173.7	0.000	0.000	Ug6_741_743_L_0					
77 D	34.95	-6.7430E-04	92.80	46.76	148.8	74.73	UL-RL	2.3057E+04	-15.20	128.0
1.000	1.000	174.8	0.000	0.000	Ug6_741_743_L_0					
78 D	35.18	-7.6269E-04	94.31	45.60	150.6	75.62	UL-RL	2.3057E+04	-15.40	130.3
1.000	1.000	175.9	0.000	0.000	Ug6_741_743_L_0					
79 D	35.40	-8.5083E-04	95.83	44.44	152.4	76.51	UL-RL	2.3057E+04	-15.60	132.6
1.000	1.000	177.0	0.000	0.000	Ug6_741_743_L_0					
80 D	35.63	-9.3884E-04	97.34	43.28	154.2	77.40	UL-RL	2.3057E+04	-15.80	134.9
1.000	1.000	178.1	0.000	0.000	Ug6_741_743_L_0					
81 D	17.93	-1.0268E-03	98.86	42.12	156.0	78.29	UL-RL	2.3057E+04	-16.00	137.1
1.000	1.000	179.3	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 2.75090E-11-2.75090E-11 4.05685E-12-1.44454E-10
    2 0.48920    -0.48920     3.99383E-10 9.78404E-02
    3  1.4702     -1.4702    -9.78404E-02 0.39188
    4  2.9463     -2.9463    -0.39188     0.98114
    5  4.9200     -4.9200    -0.98114      1.9651
    6  7.3924     -7.3924     -1.9651      3.4436
    7  10.363     -10.363     -3.4436      5.5163
    8  13.840     -13.840     -5.5163      8.2843
    9  17.825     -17.825     -8.2843      11.849
   10  22.303     -22.303     -11.849      16.310
   11  27.285     -27.285     -16.310      21.767
   12  32.767     -32.767     -21.767      28.320
   13  38.740     -38.740     -28.320      36.068
   14  45.212     -45.212     -36.068      45.111
   15  52.180     -52.180     -45.111      55.547
   16  59.644     -59.644     -55.547      67.476
   17  67.597     -67.597     -67.476      80.995
   18  76.046     -76.046     -80.995      96.204
   19  84.988     -84.988     -96.204      113.20
   20  94.419     -94.419     -113.20      132.09
   21  104.34     -104.34     -132.09      152.95
   22  112.73     -112.73     -152.95      175.50
   23  119.59     -119.59     -175.50      199.42
   24  124.90     -124.90     -199.42      224.40
   25  128.69     -128.69     -224.40      250.14
   26  130.94     -130.94     -250.14      276.32
   27  131.65     -131.65     -276.32      302.65
   28  130.82     -130.82     -302.65      328.82
   29  128.46     -128.46     -328.82      354.51
   30  124.56     -124.56     -354.51      379.42
   31  119.13     -119.13     -379.42      403.25
   32  112.16     -112.16     -403.25      425.68
   33  103.65     -103.65     -425.68      446.41
   34  93.603     -93.603     -446.41      465.13
   35  82.022     -82.022     -465.13      481.53
   36  68.905     -68.905     -481.53      495.31
   37  54.291     -54.291     -495.31      506.17
   38  40.600     -40.600     -506.17      514.29
   39  27.795     -27.795     -514.29      519.85
   40  15.834     -15.834     -519.85      523.02
   41  4.6808     -4.6808     -523.02      523.95
   42 -5.7044      5.7044     -523.95      522.81
   43 -15.362      15.362     -522.81      519.74
   44 -24.330      24.330     -519.74      514.88
   45 -32.645      32.645     -514.88      508.35
   46 -40.346      40.346     -508.35      500.28
   47 -47.471      47.471     -500.28      490.78
   48 -54.056      54.056     -490.78      479.97
   49 -60.135      60.135     -479.97      467.94
   50 -65.746      65.746     -467.94      454.80
   51 -70.920      70.920     -454.80      440.61
   52 -75.689      75.689     -440.61      425.47
   53 -80.087      80.087     -425.47      409.46
   54 -84.143      84.143     -409.46      392.63
   55 -87.884      87.884     -392.63      375.05
   56 -91.340      91.340     -375.05      356.78
   57 -94.538      94.538     -356.78      337.88
   58 -97.501      97.501     -337.88      318.38
   59 -100.25      100.25     -318.38      298.33
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   60 -102.82      102.82     -298.33      277.76
   61 -105.21      105.21     -277.76      256.72
   62 -103.73      103.73     -256.72      235.97
   63 -102.13      102.13     -235.97      215.55
   64 -100.42      100.42     -215.55      195.46
   65 -98.598      98.598     -195.46      175.74
   66 -96.321      96.321     -175.74      156.48
   67 -93.614      93.614     -156.48      137.76
   68 -90.143      90.143     -137.76      119.73
   69 -85.832      85.832     -119.73      102.56
   70 -80.974      80.974     -102.56      86.368
   71 -75.584      75.584     -86.368      71.251
   72 -69.679      69.679     -71.251      57.315
   73 -63.273      63.273     -57.315      44.661
   74 -56.377      56.377     -44.661      33.385
   75 -49.002      49.002     -33.385      23.585
   76 -41.152      41.152     -23.585      15.354
   77 -32.834      32.834     -15.354      8.7875
   78 -24.049      24.049     -8.7875      3.9777
   79 -14.800      14.800     -3.9777      1.0176
   80 -5.0878      5.0878     -1.0176    1.37121E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1028E+07 RIMNOR=0.1455E+08
           RENORM= 442.0     REMNOR=0.1640E-17 RATIO =0.2073E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 131.6     RMMAX = 524.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1028E+07 RDR   =0.1455E+08
           RATIOT=0.2073E-01 RATIOR= 0.000
           MAX UN= 5.293     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           MIN UN=-.8312E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1028E+07 RIMNOR=0.1455E+08
           RENORM= 180.0     REMNOR=0.2726E-17 RATIO =0.1323E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 131.6     RMMAX = 524.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1028E+07 RDR   =0.1455E+08
           RATIOT=0.1323E-01 RATIOR= 0.000
           MAX UN= 2.678     IEQ=    77 NODE     39 DOF   1  Y-DISPL.F
           MIN UN=-.6013E-09 IEQ=    38 NODE     19 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1028E+07 RIMNOR=0.1455E+08
           RENORM= 463.7     REMNOR=0.2502E-17 RATIO =0.2124E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 131.6     RMMAX = 524.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1028E+07 RDR   =0.1455E+08
           RATIOT=0.2124E-01 RATIOR= 0.000
           MAX UN= 15.02     IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.6849     IEQ=   161 NODE     81 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1028E+07 RIMNOR=0.1455E+08
           RENORM= 93.10     REMNOR=0.2038E-16 RATIO =0.9516E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 131.6     RMMAX = 524.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1028E+07 RDR   =0.1455E+08
           RATIOT=0.9516E-02 RATIOR= 0.000
           MAX UN= 6.262     IEQ=    81 NODE     41 DOF   1  Y-DISPL.F
           MIN UN=-3.933     IEQ=   157 NODE     79 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1028E+07 RIMNOR=0.1455E+08
           RENORM= 3.639     REMNOR=0.1266E-16 RATIO =0.1881E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 131.6     RMMAX = 524.0
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1028E+07 RDR   =0.1455E+08
           RATIOT=0.1881E-02 RATIOR= 0.000
           MAX UN=0.9650     IEQ=   133 NODE     67 DOF   1  Y-DISPL.F
           MIN UN=-1.096     IEQ=   147 NODE     74 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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ITER      6 RNORM = 0.000      RMNORM= 0.000
            RINORM=0.1028E+07 RIMNOR=0.1455E+08
            RENORM=0.3190E-14 REMNOR=0.6420E-17 RATIO =0.5570E-10 TOLER =0.1000E-03      CONVERGED !
            RFMAX = 131.6      RMMAX = 524.0
            RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
            RDT   =0.1028E+07 RDR   =0.1455E+08
            RATIOT=0.5570E-10 RATIOR= 0.000
            MAX UN=0.1666E-07 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
            MIN UN=-.2173E-07 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
            NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.0722476E-02  -4.9450064E-03
    2   4.9733475E-02  -4.9450064E-03
    3   4.8744474E-02  -4.9449995E-03
    4   4.7755477E-02  -4.9449651E-03
    5   4.6766492E-02  -4.9448685E-03
    6   4.5777537E-02  -4.9446612E-03
    7   4.4788639E-02  -4.9442807E-03
    8   4.3799841E-02  -4.9436503E-03
    9   4.2811202E-02  -4.9426793E-03
   10   4.1822799E-02  -4.9412628E-03
   11   4.0834734E-02  -4.9392816E-03
   12   3.9847133E-02  -4.9366025E-03
   13   3.8860150E-02  -4.9330784E-03
   14   3.7873969E-02  -4.9285480E-03
   15   3.6888809E-02  -4.9228362E-03
   16   3.5904926E-02  -4.9157538E-03
   17   3.4922608E-02  -4.9070978E-03
   18   3.3942201E-02  -4.8966511E-03
   19   3.2964082E-02  -4.8841831E-03
   20   3.1988679E-02  -4.8694489E-03
   21   3.1016475E-02  -4.8521900E-03
   22   3.0047994E-02  -4.8321340E-03
   23   2.9083827E-02  -4.8089947E-03
   24   2.8124622E-02  -4.7824719E-03
   25   2.7171084E-02  -4.7522661E-03
   26   2.6223979E-02  -4.7181063E-03
   27   2.5284125E-02  -4.6797650E-03
   28   2.4352369E-02  -4.6370569E-03
   29   2.3429603E-02  -4.5898404E-03
   30   2.2516740E-02  -4.5380169E-03
   31   2.1614707E-02  -4.4815308E-03
   32   2.0724444E-02  -4.4203698E-03
   33   1.9846873E-02  -4.3545637E-03
   34   1.8982923E-02  -4.2841864E-03
   35   1.8133496E-02  -4.2093545E-03
   36   1.7299467E-02  -4.1302278E-03
   37   1.6481681E-02  -4.0470092E-03
   38   1.5680924E-02  -3.9599439E-03
   39   1.4897941E-02  -3.8693212E-03
   40   1.4133411E-02  -3.7754729E-03
   41   1.3387942E-02  -3.6787740E-03
   42   1.2662063E-02  -3.5796428E-03
   43   1.1956216E-02  -3.4785404E-03
   44   1.1270745E-02  -3.3759711E-03
   45   1.0605893E-02  -3.2724786E-03
   46   9.9617823E-03  -3.1686050E-03
   47   9.3384421E-03  -3.0648592E-03
   48   8.7357984E-03  -2.9617164E-03
   49   8.1536858E-03  -2.8596199E-03
   50   7.5918559E-03  -2.7589830E-03
   51   7.0499726E-03  -2.6601884E-03
   52   6.5276212E-03  -2.5635900E-03
   53   6.0243794E-03  -2.4695268E-03
   54   5.5396473E-03  -2.3782910E-03
   55   5.0728556E-03  -2.2901674E-03
   56   4.6233557E-03  -2.2054134E-03
   57   4.1904499E-03  -2.1242643E-03
   58   3.7733953E-03  -2.0469351E-03
   59   3.3714082E-03  -1.9736211E-03
   60   2.9836674E-03  -1.9044992E-03
   61   2.6093184E-03  -1.8397283E-03
   62   2.2474765E-03  -1.7794508E-03
   63   1.8972344E-03  -1.7237290E-03
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64	1.5576822E-03	-1.6725477E-03
65	1.2279145E-03	-1.6258788E-03
66	9.0703290E-04	-1.5836769E-03
67	5.9415023E-04	-1.5458773E-03
68	2.8839395E-04	-1.5123981E-03
69	-1.1090002E-05	-1.4831337E-03
70	-3.0513083E-04	-1.4579390E-03
71	-5.9452436E-04	-1.4366257E-03
72	-8.8002444E-04	-1.4189625E-03
73	-1.1623344E-03	-1.4046748E-03
74	-1.4420981E-03	-1.3934436E-03
75	-1.7198925E-03	-1.3849228E-03
76	-1.9962242E-03	-1.3787558E-03
77	-2.2715273E-03	-1.3745755E-03
78	-2.5461617E-03	-1.3720048E-03
79	-2.8204107E-03	-1.3706566E-03
80	-3.0944793E-03	-1.3701333E-03
81	-3.3685056E-03	-1.3700277E-03

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -5.0722E-02   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4835     -4.9733E-02   2.335      0.7450       2.335       1.603          ACTIVE   0.000     -0.2000       1.673
1.000       1.000       2.418       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9697     -4.8744E-02   4.711       1.503       4.711       3.119          ACTIVE   0.000     -0.4000       3.345
1.000       1.000       4.848       0.000       0.000     Ug5_2_8_L_0
   4 D   1.459     -4.7755E-02   7.140       2.278       7.140       4.509          ACTIVE   0.000     -0.6000       5.018
1.000       1.000       7.296       0.000       0.000     Ug5_2_8_L_0
   5 D   1.951     -4.6766E-02   9.606       3.064       9.606       5.780          ACTIVE   0.000     -0.8000       6.691
1.000       1.000       9.755       0.000       0.000     Ug5_2_8_L_0
   6 D   2.444     -4.5778E-02   12.09       3.857       12.09       6.958          ACTIVE   0.000      -1.000       8.364
1.000       1.000       12.22       0.000       0.000     Ug5_2_8_L_0
   7 D   2.937     -4.4789E-02   14.57       4.649       14.57       8.073          ACTIVE   0.000      -1.200       10.04
1.000       1.000       14.69       0.000       0.000     Ug5_2_8_L_0
   8 D   3.437     -4.3800E-02   17.17       5.476       17.17       9.145          ACTIVE   0.000      -1.400       11.71
1.000       1.000       17.18       0.000       0.000     Ug5_2_8_L_0
   9 D   3.939     -4.2811E-02   19.79       6.314       19.79       10.19          ACTIVE   0.000      -1.600       13.38
1.000       1.000       19.70       0.000       0.000     Ug5_2_8_L_0
  10 D   4.428     -4.1823E-02   22.21       7.085       22.21       11.22          ACTIVE   0.000      -1.800       15.05
1.000       1.000       22.14       0.000       0.000     Ug5_2_8_L_0
  11 D   4.925     -4.0835E-02   24.76       7.898       24.76       12.23          ACTIVE   0.000      -2.000       16.73
1.000       1.000       24.62       0.000       0.000     Ug5_2_8_L_0
  12 D   5.420     -3.9847E-02   27.27       8.699       27.27       13.24          ACTIVE   0.000      -2.200       18.40
1.000       1.000       27.10       0.000       0.000     Ug5_2_8_L_0
  13 D   5.905     -3.8860E-02   29.64       9.454       29.64       14.24          ACTIVE   0.000      -2.400       20.07
1.000       1.000       29.53       0.000       0.000     Ug5_2_8_L_0
  14 D   6.398     -3.7874E-02   32.11       10.24       32.11       15.24          ACTIVE   0.000      -2.600       21.75
1.000       1.000       31.99       0.000       0.000     Ug5_2_8_L_0
  15 D   6.889     -3.6889E-02   34.57       11.03       34.57       16.23          ACTIVE   0.000      -2.800       23.42
1.000       1.000       34.44       0.000       0.000     Ug5_2_8_L_0
  16 D   7.379     -3.5905E-02   37.01       11.80       37.01       17.23          ACTIVE   0.000      -3.000       25.09
1.000       1.000       36.90       0.000       0.000     Ug5_2_8_L_0
  17 D   7.863     -3.4923E-02   39.34       12.55       39.34       18.22          ACTIVE   0.000      -3.200       26.76
1.000       1.000       39.31       0.000       0.000     Ug5_2_8_L_0
  18 D   8.352     -3.3942E-02   41.77       13.32       41.77       19.21          ACTIVE   0.000      -3.400       28.44
1.000       1.000       41.76       0.000       0.000     Ug5_2_8_L_0
  19 D   8.840     -3.2964E-02   44.18       14.09       44.18       20.21          ACTIVE   0.000      -3.600       30.11
1.000       1.000       44.20       0.000       0.000     Ug5_2_8_L_0
  20 D   9.323     -3.1989E-02   46.51       14.84       46.51       21.20          ACTIVE   0.000      -3.800       31.78
1.000       1.000       46.62       0.000       0.000     Ug5_2_8_L_0
  21 D   9.811     -3.1016E-02   48.91       15.60       48.91       22.19          ACTIVE   0.000      -4.000       33.45
1.000       1.000       49.06       0.000       0.000     Ug5_2_8_L_0
  22 D   10.30     -3.0048E-02   51.30       16.37       51.30       23.18          ACTIVE   0.000      -4.200       35.13
1.000       1.000       51.49       0.000       0.000     Ug5_2_8_L_0
  23 D   10.78     -2.9084E-02   53.63       17.11       53.63       24.18          ACTIVE   0.000      -4.400       36.80
1.000       1.000       53.91       0.000       0.000     Ug5_2_8_L_0
  24 D   11.27     -2.8125E-02   56.01       17.87       56.01       25.17          ACTIVE   0.000      -4.600       38.47
1.000       1.000       56.34       0.000       0.000     Ug5_2_8_L_0
  25 D   11.75     -2.7171E-02   58.39       18.63       58.39       26.17          ACTIVE   0.000      -4.800       40.15
1.000       1.000       58.77       0.000       0.000     Ug5_2_8_L_0
  26 D   12.24     -2.6224E-02   60.77       19.39       60.77       27.16          ACTIVE   0.000      -5.000       41.82
1.000       1.000       61.20       0.000       0.000     Ug5_2_8_L_0
  27 D   12.72     -2.5284E-02   63.09       20.13       63.09       28.16          ACTIVE   0.000      -5.200       43.49
1.000       1.000       63.62       0.000       0.000     Ug5_2_8_L_0
  28 D   13.21     -2.4352E-02   65.46       20.88       65.46       29.16          ACTIVE   0.000      -5.400       45.16
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1.000	1.000	66.05	0.000	0.000	Ug5_2_8_L_0					
29 D	13.70	-2.3430E-02	67.83	21.64	67.83	30.15	ACTIVE	0.000	-5.600	46.84
1.000	1.000	68.48	0.000	0.000	Ug5_2_8_L_0					
30 D	14.18	-2.2517E-02	70.15	22.38	70.15	31.15	ACTIVE	0.000	-5.800	48.51
1.000	1.000	70.89	0.000	0.000	Ug5_2_8_L_0					
31 D	14.66	-2.1615E-02	72.52	23.13	72.52	32.15	ACTIVE	0.000	-6.000	50.18
1.000	1.000	73.31	0.000	0.000	Ug5_2_8_L_0					
32 D	15.15	-2.0724E-02	74.88	23.89	74.88	33.15	ACTIVE	0.000	-6.200	51.85
1.000	1.000	75.74	0.000	0.000	Ug5_2_8_L_0					
33 D	15.63	-1.9847E-02	77.20	24.63	77.20	34.15	ACTIVE	0.000	-6.400	53.53
1.000	1.000	78.15	0.000	0.000	Ug5_2_8_L_0					
34 D	16.12	-1.8983E-02	79.56	25.38	79.56	35.15	ACTIVE	0.000	-6.600	55.20
1.000	1.000	80.58	0.000	0.000	Ug5_2_8_L_0					
35 D	16.60	-1.8133E-02	81.92	26.13	81.92	36.15	ACTIVE	0.000	-6.800	56.87
1.000	1.000	83.00	0.000	0.000	Ug5_2_8_L_0					
36 D	17.09	-1.7299E-02	84.28	26.88	84.28	37.16	ACTIVE	0.000	-7.000	58.55
1.000	1.000	85.43	0.000	0.000	Ug5_2_8_L_0					
37 D	17.57	-1.6482E-02	86.59	27.62	86.59	38.16	ACTIVE	0.000	-7.200	60.22
1.000	1.000	87.84	0.000	0.000	Ug5_2_8_L_0					
38 D	18.05	-1.5681E-02	88.95	28.37	88.95	39.16	ACTIVE	0.000	-7.400	61.89
1.000	1.000	90.26	0.000	0.000	Ug5_2_8_L_0					
39 D	18.54	-1.4898E-02	91.30	29.13	91.30	40.17	ACTIVE	0.000	-7.600	63.56
1.000	1.000	92.69	0.000	0.000	Ug5_2_8_L_0					
40 D	19.02	-1.4133E-02	93.62	29.86	93.62	41.17	ACTIVE	0.000	-7.800	65.24
1.000	1.000	95.10	0.000	0.000	Ug5_2_8_L_0					
41 D	19.50	-1.3388E-02	95.97	30.61	95.97	42.18	ACTIVE	0.000	-8.000	66.91
1.000	1.000	97.52	0.000	0.000	Ug5_2_8_L_0					
42 D	19.99	-1.2662E-02	98.32	31.36	98.32	43.19	ACTIVE	0.000	-8.200	68.58
1.000	1.000	99.95	0.000	0.000	Ug5_2_8_L_0					
43 D	20.47	-1.1956E-02	100.6	32.10	100.6	44.19	ACTIVE	0.000	-8.400	70.25
1.000	1.000	102.4	0.000	0.000	Ug5_2_8_L_0					
44 D	20.96	-1.1271E-02	103.0	32.85	103.0	45.20	ACTIVE	0.000	-8.600	71.93
1.000	1.000	104.8	0.000	0.000	Ug5_2_8_L_0					
45 D	21.44	-1.0606E-02	105.3	33.60	105.3	46.21	ACTIVE	0.000	-8.800	73.60
1.000	1.000	107.2	0.000	0.000	Ug5_2_8_L_0					
46 D	21.92	-9.9618E-03	107.7	34.35	107.7	47.22	ACTIVE	0.000	-9.000	75.27
1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0					
47 D	22.41	-9.3384E-03	110.0	35.09	110.0	48.23	ACTIVE	0.000	-9.200	76.95
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0					
48 D	22.89	-8.7358E-03	112.3	35.84	112.3	49.24	ACTIVE	0.000	-9.400	78.62
1.000	1.000	114.5	0.000	0.000	Ug5_2_8_L_0					
49 D	23.38	-8.1537E-03	114.7	36.59	114.7	50.26	ACTIVE	0.000	-9.600	80.29
1.000	1.000	116.9	0.000	0.000	Ug5_2_8_L_0					
50 D	23.86	-7.5919E-03	117.0	37.33	117.0	51.27	ACTIVE	0.000	-9.800	81.96
1.000	1.000	119.3	0.000	0.000	Ug5_2_8_L_0					
51 D	24.34	-7.0500E-03	119.4	38.07	119.4	52.28	ACTIVE	0.000	-10.00	83.64
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0					
52 D	24.83	-6.5276E-03	121.7	38.82	121.7	53.29	ACTIVE	0.000	-10.20	85.31
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0					
53 D	25.31	-6.0244E-03	124.0	39.56	124.0	54.31	ACTIVE	0.000	-10.40	86.98
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0					
54 D	25.79	-5.5396E-03	126.4	40.31	126.4	55.32	ACTIVE	0.000	-10.60	88.65
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0					
55 D	26.28	-5.0729E-03	128.7	41.06	128.7	56.34	ACTIVE	0.000	-10.80	90.33
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0					
56 D	26.76	-4.6234E-03	131.0	41.80	131.0	57.35	ACTIVE	0.000	-11.00	92.00
1.000	1.000	133.8	0.000	0.000	Ug5_2_8_L_0					
57 D	27.24	-4.1904E-03	133.4	42.54	133.4	58.37	ACTIVE	0.000	-11.20	93.67
1.000	1.000	136.2	0.000	0.000	Ug5_2_8_L_0					
58 D	27.73	-3.7734E-03	135.7	43.29	135.7	59.39	ACTIVE	0.000	-11.40	95.35
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0					
59 D	28.21	-3.3714E-03	138.0	44.04	138.0	60.40	ACTIVE	0.000	-11.60	97.02
1.000	1.000	141.1	0.000	0.000	Ug5_2_8_L_0					
60 D	28.69	-2.9837E-03	140.4	44.77	140.4	61.42	ACTIVE	0.000	-11.80	98.69
1.000	1.000	143.5	0.000	0.000	Ug5_2_8_L_0					
61 D	29.18	-2.6093E-03	142.7	45.52	142.7	62.44	ACTIVE	0.000	-12.00	100.4
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0					
62 D	32.84	-2.2475E-03	144.8	62.17	144.8	63.36	ACTIVE	0.000	-12.20	102.0
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0					
63 D	33.38	-1.8972E-03	147.0	63.17	147.0	64.63	ACTIVE	0.000	-12.40	103.7
1.000	1.000	166.9	0.000	0.000	Ug6_741_743_L_0					
64 D	33.99	-1.5577E-03	149.1	64.57	149.1	65.98	UL-RL	2.1956E+04	-12.60	105.4
1.000	1.000	170.0	0.000	0.000	Ug6_741_743_L_0					
65 D	34.72	-1.2279E-03	151.2	66.56	151.2	67.26	UL-RL	2.1956E+04	-12.80	107.1
1.000	1.000	173.6	0.000	0.000	Ug6_741_743_L_0					
66 D	35.44	-9.0703E-04	153.3	68.49	153.3	68.49	V-C	7319.	-13.00	108.7
1.000	1.000	177.2	0.000	0.000	Ug6_741_743_L_0					
67 D	36.05	-5.9415E-04	155.4	69.86	155.4	69.86	V-C	7319.	-13.20	110.4
1.000	1.000	180.3	0.000	0.000	Ug6_741_743_L_0					
68 D	36.78	-2.8839E-04	157.5	71.81	157.5	71.81	V-C	7319.	-13.40	112.1
1.000	1.000	183.9	0.000	0.000	Ug6_741_743_L_0					

69 D	37.72	1.1090E-05	159.6	74.87	159.6	74.87	V-C	7319.	-13.60	113.7
1.000	1.000	188.6	0.000	0.000	Ug6_741_743_L_0					
70 D	38.58	3.0513E-04	161.7	77.49	161.7	77.49	V-C	7319.	-13.80	115.4
1.000	1.000	192.9	0.000	0.000	Ug6_741_743_L_0					
71 D	39.49	5.9452E-04	163.8	80.34	163.8	80.34	V-C	7319.	-14.00	117.1
1.000	1.000	197.4	0.000	0.000	Ug6_741_743_L_0					
72 D	40.47	8.8002E-04	165.9	83.56	165.9	83.56	V-C	7319.	-14.20	118.8
1.000	1.000	202.3	0.000	0.000	Ug6_741_743_L_0					
73 D	41.44	1.1623E-03	168.0	86.76	168.0	86.76	V-C	7319.	-14.40	120.4
1.000	1.000	207.2	0.000	0.000	Ug6_741_743_L_0					
74 D	42.41	1.4421E-03	170.1	89.92	170.1	89.92	V-C	7319.	-14.60	122.1
1.000	1.000	212.0	0.000	0.000	Ug6_741_743_L_0					
75 D	43.37	1.7199E-03	172.2	93.07	172.2	93.07	V-C	7319.	-14.80	123.8
1.000	1.000	216.9	0.000	0.000	Ug6_741_743_L_0					
76 D	44.33	1.9962E-03	174.3	96.21	174.3	96.21	V-C	7319.	-15.00	125.5
1.000	1.000	221.7	0.000	0.000	Ug6_741_743_L_0					
77 D	45.29	2.2715E-03	176.4	99.34	176.4	99.34	V-C	7319.	-15.20	127.1
1.000	1.000	226.5	0.000	0.000	Ug6_741_743_L_0					
78 D	46.25	2.5462E-03	178.5	102.5	178.5	102.5	V-C	7319.	-15.40	128.8
1.000	1.000	231.3	0.000	0.000	Ug6_741_743_L_0					
79 D	47.21	2.8204E-03	180.6	105.6	180.6	105.6	V-C	7319.	-15.60	130.5
1.000	1.000	236.0	0.000	0.000	Ug6_741_743_L_0					
80 D	48.17	3.0945E-03	182.7	108.7	182.7	108.7	V-C	7319.	-15.80	132.1
1.000	1.000	240.8	0.000	0.000	Ug6_741_743_L_0					
81 D	24.56	3.3685E-03	184.8	111.8	184.8	111.8	V-C	7319.	-16.00	133.8
1.000	1.000	245.6	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                              |
 |                                 Exe Time :24 May 2018       18:25:50                                                          |
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 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D  0.9985      2.8125E-02  0.8364      3.829       46.00       65.67       PASSIVE   0.000      -4.600       1.164
1.000       1.000       4.993       0.000       0.000     Ug5_2_8_L_0
  25 D   2.996      2.7171E-02   2.509      11.49       48.00       73.88       PASSIVE   0.000      -4.800       3.491
1.000       1.000       14.98       0.000       0.000     Ug5_2_8_L_0
  26 D   4.993      2.6224E-02   4.182      19.14       50.00       81.80       PASSIVE   0.000      -5.000       5.818
1.000       1.000       24.96       0.000       0.000     Ug5_2_8_L_0
  27 D   6.990      2.5284E-02   5.855      26.80       52.00       79.44       PASSIVE   0.000      -5.200       8.145
1.000       1.000       34.95       0.000       0.000     Ug5_2_8_L_0
  28 D   8.987      2.4352E-02   7.527      34.46       54.00       77.17       PASSIVE   0.000      -5.400       10.47
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1.000	1.000	44.93	0.000	0.000	Ug5_2_8_L_0						
29 D	10.98	2.3430E-02	9.200	42.12	56.00	75.01	PASSIVE	0.000	-5.600	12.80	
1.000	1.000	54.92	0.000	0.000	Ug5_2_8_L_0						
30 D	12.98	2.2517E-02	10.87	49.78	58.00	72.96	PASSIVE	0.000	-5.800	15.13	
1.000	1.000	64.90	0.000	0.000	Ug5_2_8_L_0						
31 D	14.98	2.1615E-02	12.55	57.43	60.00	78.48	PASSIVE	0.000	-6.000	17.45	
1.000	1.000	74.89	0.000	0.000	Ug5_2_8_L_0						
32 D	16.97	2.0724E-02	14.22	65.09	62.00	86.33	PASSIVE	0.000	-6.200	19.78	
1.000	1.000	84.87	0.000	0.000	Ug5_2_8_L_0						
33 D	18.97	1.9847E-02	15.89	72.75	64.00	94.18	PASSIVE	0.000	-6.400	22.11	
1.000	1.000	94.86	0.000	0.000	Ug5_2_8_L_0						
34 D	20.97	1.8983E-02	17.56	80.41	66.00	102.0	PASSIVE	0.000	-6.600	24.44	
1.000	1.000	104.8	0.000	0.000	Ug5_2_8_L_0						
35 D	22.97	1.8133E-02	19.24	88.06	68.00	109.9	PASSIVE	0.000	-6.800	26.76	
1.000	1.000	114.8	0.000	0.000	Ug5_2_8_L_0						
36 D	24.96	1.7299E-02	20.91	95.72	70.00	117.7	PASSIVE	0.000	-7.000	29.09	
1.000	1.000	124.8	0.000	0.000	Ug5_2_8_L_0						
37 D	26.96	1.6482E-02	22.58	103.4	72.00	125.4	PASSIVE	0.000	-7.200	31.42	
1.000	1.000	134.8	0.000	0.000	Ug5_2_8_L_0						
38 D	28.96	1.5681E-02	24.25	111.0	74.00	120.9	PASSIVE	0.000	-7.400	33.75	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
39 D	30.95	1.4898E-02	25.93	118.7	76.00	118.7	PASSIVE	0.000	-7.600	36.07	
1.000	1.000	154.8	0.000	0.000	Ug5_2_8_L_0						
40 D	32.95	1.4133E-02	27.60	126.4	78.00	126.4	PASSIVE	0.000	-7.800	38.40	
1.000	1.000	164.8	0.000	0.000	Ug5_2_8_L_0						
41 D	34.95	1.3388E-02	29.27	134.0	80.00	134.0	PASSIVE	0.000	-8.000	40.73	
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0						
42 D	36.94	1.2662E-02	30.95	141.7	82.00	141.7	PASSIVE	0.000	-8.200	43.05	
1.000	1.000	184.7	0.000	0.000	Ug5_2_8_L_0						
43 D	38.94	1.1956E-02	32.62	149.3	84.00	149.3	PASSIVE	0.000	-8.400	45.38	
1.000	1.000	194.7	0.000	0.000	Ug5_2_8_L_0						
44 D	40.65	1.1271E-02	34.29	155.6	86.00	155.6	V-C	9414.	-8.600	47.71	
1.000	1.000	203.3	0.000	0.000	Ug5_2_8_L_0						
45 D	39.89	1.0606E-02	35.96	149.4	88.00	149.4	V-C	9414.	-8.800	50.04	
1.000	1.000	199.5	0.000	0.000	Ug5_2_8_L_0						
46 D	39.19	9.9618E-03	37.64	143.6	90.00	143.6	V-C	9414.	-9.000	52.36	
1.000	1.000	195.9	0.000	0.000	Ug5_2_8_L_0						
47 D	38.53	9.3384E-03	39.31	137.9	92.00	137.9	V-C	9414.	-9.200	54.69	
1.000	1.000	192.6	0.000	0.000	Ug5_2_8_L_0						
48 D	37.92	8.7358E-03	40.98	132.6	94.00	132.6	V-C	9414.	-9.400	57.02	
1.000	1.000	189.6	0.000	0.000	Ug5_2_8_L_0						
49 D	37.35	8.1537E-03	42.65	127.4	96.00	127.4	V-C	9414.	-9.600	59.35	
1.000	1.000	186.8	0.000	0.000	Ug5_2_8_L_0						
50 D	36.84	7.5919E-03	44.33	122.5	98.00	122.5	V-C	9414.	-9.800	61.67	
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0						
51 D	36.37	7.0500E-03	46.00	117.8	100.00	117.8	V-C	9414.	-10.00	64.00	
1.000	1.000	181.8	0.000	0.000	Ug5_2_8_L_0						
52 D	35.94	6.5276E-03	47.67	113.4	102.0	113.4	V-C	9414.	-10.20	66.33	
1.000	1.000	179.7	0.000	0.000	Ug5_2_8_L_0						
53 D	35.56	6.0244E-03	49.35	109.1	104.0	109.1	V-C	9414.	-10.40	68.65	
1.000	1.000	177.8	0.000	0.000	Ug5_2_8_L_0						
54 D	35.22	5.5396E-03	51.02	105.1	106.0	105.1	V-C	9414.	-10.60	70.98	
1.000	1.000	176.1	0.000	0.000	Ug5_2_8_L_0						
55 D	34.92	5.0729E-03	52.69	101.3	108.0	101.3	V-C	9414.	-10.80	73.31	
1.000	1.000	174.6	0.000	0.000	Ug5_2_8_L_0						
56 D	34.66	4.6234E-03	54.36	97.67	110.0	97.67	V-C	9414.	-11.00	75.64	
1.000	1.000	173.3	0.000	0.000	Ug5_2_8_L_0						
57 D	34.44	4.1904E-03	56.04	94.23	112.0	94.23	V-C	9414.	-11.20	77.96	
1.000	1.000	172.2	0.000	0.000	Ug5_2_8_L_0						
58 D	34.25	3.7734E-03	57.71	90.97	114.0	90.97	V-C	9414.	-11.40	80.29	
1.000	1.000	171.3	0.000	0.000	Ug5_2_8_L_0						
59 D	34.10	3.3714E-03	59.38	87.88	116.0	87.88	V-C	9414.	-11.60	82.62	
1.000	1.000	170.5	0.000	0.000	Ug5_2_8_L_0						
60 D	33.98	2.9837E-03	61.05	84.95	118.0	84.95	V-C	9414.	-11.80	84.95	
1.000	1.000	169.9	0.000	0.000	Ug5_2_8_L_0						
61 D	33.89	2.6093E-03	62.73	82.17	120.0	82.17	V-C	9414.	-12.00	87.27	
1.000	1.000	169.4	0.000	0.000	Ug5_2_8_L_0						
62 D	32.51	2.2475E-03	64.20	72.95	121.8	72.95	V-C	6832.	-12.20	89.60	
1.000	1.000	162.6	0.000	0.000	Ug6_741_743_L_0						
63 D	32.64	1.8972E-03	65.67	71.29	123.6	71.29	V-C	6832.	-12.40	91.93	
1.000	1.000	163.2	0.000	0.000	Ug6_741_743_L_0						
64 D	32.74	1.5577E-03	67.15	69.45	125.4	69.84	UL-RL	2.0495E+04	-12.60	94.25	
1.000	1.000	163.7	0.000	0.000	Ug6_741_743_L_0						
65 D	32.78	1.2279E-03	68.62	67.34	127.2	68.65	UL-RL	2.0495E+04	-12.80	96.58	
1.000	1.000	163.9	0.000	0.000	Ug6_741_743_L_0						
66 D	32.84	9.0703E-04	70.09	65.29	129.0	67.53	UL-RL	2.0495E+04	-13.00	98.91	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						
67 D	32.91	5.9415E-04	71.56	63.30	130.8	66.47	UL-RL	2.0495E+04	-13.20	101.2	
1.000	1.000	164.5	0.000	0.000	Ug6_741_743_L_0						
68 D	32.49	2.8839E-04	73.04	58.87	132.6	66.72	UL-RL	2.0495E+04	-13.40	103.6	
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0						

69 D	31.84	-1.1090E-05	74.51	53.31	134.4	67.60	UL-RL	2.0495E+04	-13.60	105.9
1.000	1.000	159.2	0.000	0.000	Ug6_741_743_L_0					
70 D	31.22	-3.0513E-04	75.98	47.87	136.2	68.49	UL-RL	2.0495E+04	-13.80	108.2
1.000	1.000	156.1	0.000	0.000	Ug6_741_743_L_0					
71 D	30.62	-5.9452E-04	77.45	42.54	138.0	69.38	UL-RL	2.0495E+04	-14.00	110.5
1.000	1.000	153.1	0.000	0.000	Ug6_741_743_L_0					
72 D	30.03	-8.8002E-04	78.93	37.30	139.8	70.27	UL-RL	2.0495E+04	-14.20	112.9
1.000	1.000	150.2	0.000	0.000	Ug6_741_743_L_0					
73 D	29.47	-1.1623E-03	80.40	32.13	141.6	71.16	UL-RL	2.0495E+04	-14.40	115.2
1.000	1.000	147.3	0.000	0.000	Ug6_741_743_L_0					
74 D	30.06	-1.4421E-03	81.87	32.77	143.4	72.05	ACTIVE	0.000	-14.60	117.5
1.000	1.000	150.3	0.000	0.000	Ug6_741_743_L_0					
75 D	30.66	-1.7199E-03	83.35	33.46	145.2	72.94	ACTIVE	0.000	-14.80	119.9
1.000	1.000	153.3	0.000	0.000	Ug6_741_743_L_0					
76 D	31.26	-1.9962E-03	84.82	34.14	147.0	73.84	ACTIVE	0.000	-15.00	122.2
1.000	1.000	156.3	0.000	0.000	Ug6_741_743_L_0					
77 D	31.87	-2.2715E-03	86.29	34.83	148.8	74.73	ACTIVE	0.000	-15.20	124.5
1.000	1.000	159.3	0.000	0.000	Ug6_741_743_L_0					
78 D	32.47	-2.5462E-03	87.76	35.52	150.6	75.62	ACTIVE	0.000	-15.40	126.8
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0					
79 D	33.07	-2.8204E-03	89.24	36.21	152.4	76.51	ACTIVE	0.000	-15.60	129.2
1.000	1.000	165.4	0.000	0.000	Ug6_741_743_L_0					
80 D	33.68	-3.0945E-03	90.71	36.89	154.2	77.40	ACTIVE	0.000	-15.80	131.5
1.000	1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
81 D	17.14	-3.3685E-03	92.18	37.58	156.0	78.29	ACTIVE	0.000	-16.00	133.8
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1 5.57474E-09-5.57474E-09 5.56987E-10 2.93837E-10
    2 0.48354    -0.48354    -2.95293E-11 9.67084E-02
    3  1.4532     -1.4532    -9.67084E-02 0.38735
    4  2.9124     -2.9124    -0.38735     0.96982
    5  4.8634     -4.8634    -0.96982      1.9425
    6  7.3075     -7.3075     -1.9425      3.4040
    7  10.245     -10.245     -3.4040      5.4529
    8  13.682     -13.682     -5.4529      8.1892
    9  17.621     -17.621     -8.1892      11.713
   10  22.049     -22.049     -11.713      16.123
   11  26.974     -26.974     -16.123      21.518
   12  32.393     -32.393     -21.518      27.997
   13  38.299     -38.299     -27.997      35.656
   14  44.697     -44.697     -35.656      44.596
   15  51.586     -51.586     -44.596      54.913
   16  58.965     -58.965     -54.913      66.706
   17  66.828     -66.828     -66.706      80.071
   18  75.180     -75.180     -80.071      95.107
   19  84.020     -84.020     -95.107      111.91
   20  93.343     -93.343     -111.91      130.58
   21  103.15     -103.15     -130.58      151.21
   22  113.45     -113.45     -151.21      173.90
   23  124.23     -124.23     -173.90      198.75
   24  134.50     -134.50     -198.75      225.65
   25  143.26     -143.26     -225.65      254.30
   26  150.51     -150.51     -254.30      284.40
   27  156.25     -156.25     -284.40      315.65
   28  160.47     -160.47     -315.65      347.75
   29  163.18     -163.18     -347.75      380.38
   30  164.38     -164.38     -380.38      413.26
   31  164.06     -164.06     -413.26      446.07
   32  162.24     -162.24     -446.07      478.52
   33  158.90     -158.90     -478.52      510.30
   34  154.04     -154.04     -510.30      541.10
   35  147.68     -147.68     -541.10      570.64
   36  139.80     -139.80     -570.64      598.60
   37  130.41     -130.41     -598.60      624.68
   38  119.51     -119.51     -624.68      648.58
   39  107.09     -107.09     -648.58      670.00
   40  93.160     -93.160     -670.00      688.63
   41  77.717     -77.717     -688.63      704.18
   42  60.762     -60.762     -704.18      716.33
   43  42.292     -42.292     -716.33      724.79
   44  22.595     -22.595     -724.79      729.31
   45  4.1413     -4.1413     -729.31      730.14
   46 -13.120      13.120     -730.14      727.51
   47 -29.240      29.240     -727.51      721.66
   48 -44.264      44.264     -721.66      712.81
   49 -58.240      58.240     -712.81      701.16
   50 -71.218      71.218     -701.16      686.92
   51 -83.241      83.241     -686.92      670.27
   52 -94.356      94.356     -670.27      651.40
   53 -104.61      104.61     -651.40      630.48
   54 -114.03      114.03     -630.48      607.67
   55 -122.68      122.68     -607.67      583.14
   56 -130.58      130.58     -583.14      557.02
   57 -137.77      137.77     -557.02      529.47
   58 -144.30      144.30     -529.47      500.61
   59 -150.19      150.19     -500.61      470.57
```

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   60 -155.48      155.48     -470.57      439.47
   61 -160.19      160.19     -439.47      407.44
   62 -159.86      159.86     -407.44      375.47
   63 -159.12      159.12     -375.47      343.64
   64 -157.87      157.87     -343.64      312.07
   65 -155.93      155.93     -312.07      280.88
   66 -153.33      153.33     -280.88      250.21
   67 -150.19      150.19     -250.21      220.18
   68 -145.90      145.90     -220.18      191.00
   69 -140.01      140.01     -191.00      162.99
   70 -132.65      132.65     -162.99      136.46
   71 -123.78      123.78     -136.46      111.71
   72 -113.35      113.35     -111.71      89.038
   73 -101.38      101.38     -89.038      68.762
   74 -89.029      89.029     -68.762      50.956
   75 -76.320      76.320     -50.956      35.692
   76 -63.252      63.252     -35.692      23.042
   77 -49.827      49.827     -23.042      13.076
   78 -36.047      36.047     -13.076      5.8669
   79 -21.912      21.912     -5.8669      1.4845
   80 -7.4222      7.4222     -1.4845     4.90687E-11

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1923E+07 RIMNOR=0.2693E+08
           RENORM= 1.353     REMNOR=0.6420E-17 RATIO =0.8389E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 164.4     RMMAX = 730.1
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1923E+07 RDR   =0.2693E+08
           RATIOT=0.8389E-03 RATIOR= 0.000
           MAX UN=0.9334E-09 IEQ=    24 NODE     12 DOF   2   X-ROT. F
           MIN UN=-.1554     IEQ=   125 NODE     63 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.1923E+07 RIMNOR=0.2693E+08
           RENORM=0.5470E-02 REMNOR=0.9936E-17 RATIO =0.5334E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 164.4     RMMAX = 730.1
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1923E+07 RDR   =0.2693E+08
           RATIOT=0.5334E-04 RATIOR= 0.000
           MAX UN=0.1676E-07 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.7396E-01 IEQ=   145 NODE     73 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                  NewProject.BaseDesignSection_28.SISMICAGEO_1847                                        |
|                                 Exe Time :24 May 2018       18:25:50                                                    |
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New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.0717994E-02  -4.9463157E-03
    2   4.9728731E-02  -4.9463157E-03
    3   4.8739468E-02  -4.9463082E-03
    4   4.7750210E-02  -4.9462714E-03
    5   4.6760964E-02  -4.9461695E-03
    6   4.5771750E-02  -4.9459530E-03
    7   4.4782595E-02  -4.9455584E-03
    8   4.3793543E-02  -4.9449084E-03
    9   4.2804655E-02  -4.9439118E-03
   10   4.1816009E-02  -4.9424634E-03
   11   4.0827707E-02  -4.9404442E-03
   12   3.9839878E-02  -4.9377214E-03
   13   3.8852675E-02  -4.9341480E-03
   14   3.7866286E-02  -4.9295637E-03
   15   3.6880929E-02  -4.9237937E-03
   16   3.5896860E-02  -4.9166500E-03
   17   3.4914369E-02  -4.9079301E-03
   18   3.3933803E-02  -4.8974183E-03
   19   3.2955537E-02  -4.8848847E-03
   20   3.1980000E-02  -4.8700856E-03
   21   3.1007676E-02  -4.8527638E-03
   22   3.0039085E-02  -4.8326478E-03
   23   2.9074822E-02  -4.8094526E-03
   24   2.8115530E-02  -4.7828796E-03
   25   2.7161915E-02  -4.7526294E-03
   26   2.6214741E-02  -4.7184312E-03
   27   2.5274826E-02  -4.6800571E-03
   28   2.4343014E-02  -4.6373218E-03
   29   2.3420197E-02  -4.5900837E-03
   30   2.2507287E-02  -4.5382440E-03
   31   2.1605210E-02  -4.4817471E-03
   32   2.0714904E-02  -4.4205806E-03
   33   1.9837291E-02  -4.3547743E-03
   34   1.8973299E-02  -4.2844021E-03
   35   1.8123827E-02  -4.2095806E-03
   36   1.7289752E-02  -4.1304694E-03
   37   1.6471916E-02  -4.0472718E-03
   38   1.5671104E-02  -3.9602327E-03
   39   1.4888060E-02  -3.8696414E-03
   40   1.4123462E-02  -3.7758299E-03
   41   1.3377917E-02  -3.6791732E-03
   42   1.2651954E-02  -3.5800895E-03
   43   1.1946013E-02  -3.4790399E-03
   44   1.1260436E-02  -3.3765287E-03
   45   1.0595466E-02  -3.2730995E-03
   46   9.9512245E-03  -3.1692944E-03
   47   9.3277392E-03  -3.0656220E-03
   48   8.7249352E-03  -2.9625575E-03
   49   8.1426461E-03  -2.8605439E-03
   50   7.5806228E-03  -2.7599943E-03
   51   7.0385281E-03  -2.6612910E-03
   52   6.5159468E-03  -2.5647877E-03
   53   6.0124557E-03  -2.4708226E-03
   54   5.5274544E-03  -2.3796874E-03
   55   5.0603731E-03  -2.2916664E-03
   56   4.6105631E-03  -2.2070160E-03
   57   4.1773264E-03  -2.1259709E-03
   58   3.7599201E-03  -2.0487450E-03
   59   3.3575608E-03  -1.9755324E-03
   60   2.9694279E-03  -1.9065086E-03
   61   2.5946676E-03  -1.8418313E-03
   62   2.2323963E-03  -1.7816413E-03
   63   1.8817078E-03  -1.7260003E-03
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64	1.5416938E-03	-1.6748941E-03
65	1.2114497E-03	-1.6282949E-03
66	8.9007838E-04	-1.5861578E-03
67	5.7669342E-04	-1.5484186E-03
68	2.7042320E-04	-1.5149955E-03
69	-2.9585480E-05	-1.4857828E-03
70	-3.2416095E-04	-1.4606354E-03
71	-6.1409808E-04	-1.4393645E-03
72	-9.0014973E-04	-1.4217384E-03
73	-1.1830181E-03	-1.4074817E-03
74	-1.4633457E-03	-1.3962746E-03
75	-1.7417081E-03	-1.3877711E-03
76	-2.0186107E-03	-1.3816159E-03
77	-2.2944867E-03	-1.3774432E-03
78	-2.5696951E-03	-1.3748770E-03
79	-2.8445188E-03	-1.3735309E-03
80	-3.1191623E-03	-1.3730084E-03
81	-3.3937637E-03	-1.3729029E-03

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
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New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -5.0718E-02   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5251     -4.9729E-02   2.327      0.9529       2.335       1.603           UL-RL  4.4259E+04 -0.2000       1.673
1.000       1.000       2.626       0.000       0.000     Ug5_2_8_L_0
   3 D   1.011     -4.8739E-02   4.655       1.710       4.711       3.119           UL-RL  4.4259E+04 -0.4000       3.345
1.000       1.000       5.056       0.000       0.000     Ug5_2_8_L_0
   4 D   1.498     -4.7750E-02   6.982       2.471       7.140       4.509           UL-RL  4.4259E+04 -0.6000       5.018
1.000       1.000       7.489       0.000       0.000     Ug5_2_8_L_0
   5 D   1.985     -4.6761E-02   9.309       3.234       9.606       5.780           UL-RL  4.4259E+04 -0.8000       6.691
1.000       1.000       9.925       0.000       0.000     Ug5_2_8_L_0
   6 D   2.472     -4.5772E-02   11.64       3.998       12.09       6.958           UL-RL  4.4259E+04  -1.000       8.364
1.000       1.000       12.36       0.000       0.000     Ug5_2_8_L_0
   7 D   2.960     -4.4783E-02   13.96       4.762       14.57       8.073           UL-RL  4.4259E+04  -1.200       10.04
1.000       1.000       14.80       0.000       0.000     Ug5_2_8_L_0
   8 D   3.448     -4.3794E-02   16.29       5.533       17.17       9.145           UL-RL  4.4259E+04  -1.400       11.71
1.000       1.000       17.24       0.000       0.000     Ug5_2_8_L_0
   9 D   3.937     -4.2805E-02   18.62       6.306       19.79       10.19           UL-RL  4.4259E+04  -1.600       13.38
1.000       1.000       19.69       0.000       0.000     Ug5_2_8_L_0
  10 D   4.424     -4.1816E-02   20.95       7.065       22.21       11.22           UL-RL  4.4259E+04  -1.800       15.05
1.000       1.000       22.12       0.000       0.000     Ug5_2_8_L_0
  11 D   4.912     -4.0828E-02   23.27       7.832       24.76       12.23           UL-RL  4.4259E+04  -2.000       16.73
1.000       1.000       24.56       0.000       0.000     Ug5_2_8_L_0
  12 D   5.399     -3.9840E-02   25.60       8.596       27.27       13.24           UL-RL  4.4259E+04  -2.200       18.40
1.000       1.000       27.00       0.000       0.000     Ug5_2_8_L_0
  13 D   5.885     -3.8853E-02   27.93       9.351       29.64       14.24           UL-RL  4.4259E+04  -2.400       20.07
1.000       1.000       29.42       0.000       0.000     Ug5_2_8_L_0
  14 D   6.372     -3.7866E-02   30.25       10.11       32.11       15.24           UL-RL  4.4259E+04  -2.600       21.75
1.000       1.000       31.86       0.000       0.000     Ug5_2_8_L_0
  15 D   6.858     -3.6881E-02   32.58       10.87       34.57       16.23           UL-RL  4.4259E+04  -2.800       23.42
1.000       1.000       34.29       0.000       0.000     Ug5_2_8_L_0
  16 D   7.344     -3.5897E-02   34.91       11.63       37.01       17.23           UL-RL  4.4259E+04  -3.000       25.09
1.000       1.000       36.72       0.000       0.000     Ug5_2_8_L_0
  17 D   7.829     -3.4914E-02   37.24       12.38       39.34       18.22           UL-RL  4.4259E+04  -3.200       26.76
1.000       1.000       39.14       0.000       0.000     Ug5_2_8_L_0
  18 D   8.315     -3.3934E-02   39.56       13.14       41.77       19.21           UL-RL  4.4259E+04  -3.400       28.44
1.000       1.000       41.57       0.000       0.000     Ug5_2_8_L_0
  19 D   8.800     -3.2956E-02   41.89       13.89       44.18       20.21           UL-RL  4.4259E+04  -3.600       30.11
1.000       1.000       44.00       0.000       0.000     Ug5_2_8_L_0
  20 D   9.284     -3.1980E-02   44.22       14.64       46.51       21.20           UL-RL  4.4259E+04  -3.800       31.78
1.000       1.000       46.42       0.000       0.000     Ug5_2_8_L_0
  21 D   9.770     -3.1008E-02   46.55       15.39       48.91       22.19           UL-RL  4.4259E+04  -4.000       33.45
1.000       1.000       48.85       0.000       0.000     Ug5_2_8_L_0
  22 D   10.25     -3.0039E-02   48.87       16.14       51.30       23.18           UL-RL  4.4259E+04  -4.200       35.13
1.000       1.000       51.27       0.000       0.000     Ug5_2_8_L_0
  23 D   10.74     -2.9075E-02   51.20       16.89       53.63       24.18           UL-RL  4.4259E+04  -4.400       36.80
1.000       1.000       53.69       0.000       0.000     Ug5_2_8_L_0
  24 D   11.22     -2.8116E-02   53.53       17.64       56.01       25.17           UL-RL  4.4259E+04  -4.600       38.47
1.000       1.000       56.11       0.000       0.000     Ug5_2_8_L_0
  25 D   11.71     -2.7162E-02   55.85       18.39       58.39       26.17           UL-RL  4.4259E+04  -4.800       40.15
1.000       1.000       58.54       0.000       0.000     Ug5_2_8_L_0
  26 D   12.19     -2.6215E-02   58.18       19.14       60.77       27.16           UL-RL  4.4259E+04  -5.000       41.82
1.000       1.000       60.96       0.000       0.000     Ug5_2_8_L_0
  27 D   12.68     -2.5275E-02   60.51       19.89       63.09       28.16           UL-RL  4.4259E+04  -5.200       43.49
1.000       1.000       63.38       0.000       0.000     Ug5_2_8_L_0
  28 D   13.16     -2.4343E-02   62.84       20.63       65.46       29.16           UL-RL  4.4259E+04  -5.400       45.16
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1.000	1.000	65.80	0.000	0.000	Ug5_2_8_L_0						
29 D	13.64	-2.3420E-02	65.16	21.38	67.83	30.15	UL-RL	4.4259E+04	-5.600	46.84	
1.000	1.000	68.22	0.000	0.000	Ug5_2_8_L_0						
30 D	14.13	-2.2507E-02	67.49	22.13	70.15	31.15	UL-RL	4.4259E+04	-5.800	48.51	
1.000	1.000	70.63	0.000	0.000	Ug5_2_8_L_0						
31 D	14.61	-2.1605E-02	69.82	22.87	72.52	32.15	UL-RL	4.4259E+04	-6.000	50.18	
1.000	1.000	73.05	0.000	0.000	Ug5_2_8_L_0						
32 D	15.09	-2.0715E-02	72.15	23.62	74.88	33.15	UL-RL	4.4259E+04	-6.200	51.85	
1.000	1.000	75.47	0.000	0.000	Ug5_2_8_L_0						
33 D	15.58	-1.9837E-02	74.47	24.36	77.20	34.15	UL-RL	4.4259E+04	-6.400	53.53	
1.000	1.000	77.89	0.000	0.000	Ug5_2_8_L_0						
34 D	16.06	-1.8973E-02	76.80	25.11	79.56	35.15	UL-RL	4.4259E+04	-6.600	55.20	
1.000	1.000	80.31	0.000	0.000	Ug5_2_8_L_0						
35 D	16.55	-1.8124E-02	79.13	25.86	81.92	36.15	UL-RL	4.4259E+04	-6.800	56.87	
1.000	1.000	82.73	0.000	0.000	Ug5_2_8_L_0						
36 D	17.03	-1.7290E-02	81.45	26.60	84.28	37.16	UL-RL	4.4259E+04	-7.000	58.55	
1.000	1.000	85.15	0.000	0.000	Ug5_2_8_L_0						
37 D	17.51	-1.6472E-02	83.78	27.35	86.59	38.16	UL-RL	4.4259E+04	-7.200	60.22	
1.000	1.000	87.56	0.000	0.000	Ug5_2_8_L_0						
38 D	18.00	-1.5671E-02	86.11	28.09	88.95	39.16	UL-RL	4.4259E+04	-7.400	61.89	
1.000	1.000	89.98	0.000	0.000	Ug5_2_8_L_0						
39 D	18.48	-1.4888E-02	88.44	28.84	91.30	40.17	UL-RL	4.4259E+04	-7.600	63.56	
1.000	1.000	92.40	0.000	0.000	Ug5_2_8_L_0						
40 D	18.96	-1.4123E-02	90.76	29.59	93.62	41.17	UL-RL	4.4259E+04	-7.800	65.24	
1.000	1.000	94.82	0.000	0.000	Ug5_2_8_L_0						
41 D	19.45	-1.3378E-02	93.09	30.33	95.97	42.18	UL-RL	4.4259E+04	-8.000	66.91	
1.000	1.000	97.24	0.000	0.000	Ug5_2_8_L_0						
42 D	19.93	-1.2652E-02	95.42	31.08	98.32	43.19	UL-RL	4.4259E+04	-8.200	68.58	
1.000	1.000	99.66	0.000	0.000	Ug5_2_8_L_0						
43 D	20.42	-1.1946E-02	97.75	31.83	100.6	44.19	UL-RL	4.4259E+04	-8.400	70.25	
1.000	1.000	102.1	0.000	0.000	Ug5_2_8_L_0						
44 D	20.90	-1.1260E-02	100.1	32.58	103.0	45.20	UL-RL	4.4259E+04	-8.600	71.93	
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
45 D	21.38	-1.0595E-02	102.4	33.32	105.3	46.21	UL-RL	4.4259E+04	-8.800	73.60	
1.000	1.000	106.9	0.000	0.000	Ug5_2_8_L_0						
46 D	21.87	-9.9512E-03	104.7	34.07	107.7	47.22	UL-RL	4.4259E+04	-9.000	75.27	
1.000	1.000	109.3	0.000	0.000	Ug5_2_8_L_0						
47 D	22.35	-9.3277E-03	107.1	34.82	110.0	48.23	UL-RL	4.4259E+04	-9.200	76.95	
1.000	1.000	111.8	0.000	0.000	Ug5_2_8_L_0						
48 D	22.84	-8.7249E-03	109.4	35.57	112.3	49.24	UL-RL	4.4259E+04	-9.400	78.62	
1.000	1.000	114.2	0.000	0.000	Ug5_2_8_L_0						
49 D	23.32	-8.1426E-03	111.7	36.32	114.7	50.26	UL-RL	4.4259E+04	-9.600	80.29	
1.000	1.000	116.6	0.000	0.000	Ug5_2_8_L_0						
50 D	23.81	-7.5806E-03	114.0	37.07	117.0	51.27	UL-RL	4.4259E+04	-9.800	81.96	
1.000	1.000	119.0	0.000	0.000	Ug5_2_8_L_0						
51 D	24.29	-7.0385E-03	116.4	37.83	119.4	52.28	UL-RL	4.4259E+04	-10.00	83.64	
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
52 D	24.78	-6.5159E-03	118.7	38.58	121.7	53.29	UL-RL	4.4259E+04	-10.20	85.31	
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0						
53 D	25.26	-6.0125E-03	121.0	39.33	124.0	54.31	UL-RL	4.4259E+04	-10.40	86.98	
1.000	1.000	126.3	0.000	0.000	Ug5_2_8_L_0						
54 D	25.75	-5.5275E-03	123.3	40.09	126.4	55.32	UL-RL	4.4259E+04	-10.60	88.65	
1.000	1.000	128.7	0.000	0.000	Ug5_2_8_L_0						
55 D	26.23	-5.0604E-03	125.7	40.85	128.7	56.34	UL-RL	4.4259E+04	-10.80	90.33	
1.000	1.000	131.2	0.000	0.000	Ug5_2_8_L_0						
56 D	26.72	-4.6106E-03	128.0	41.60	131.0	57.35	UL-RL	4.4259E+04	-11.00	92.00	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
57 D	27.21	-4.1773E-03	130.3	42.36	133.4	58.37	UL-RL	4.4259E+04	-11.20	93.67	
1.000	1.000	136.0	0.000	0.000	Ug5_2_8_L_0						
58 D	27.69	-3.7599E-03	132.7	43.12	135.7	59.39	UL-RL	4.4259E+04	-11.40	95.35	
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0						
59 D	28.18	-3.3576E-03	135.0	43.88	138.0	60.40	UL-RL	4.4259E+04	-11.60	97.02	
1.000	1.000	140.9	0.000	0.000	Ug5_2_8_L_0						
60 D	28.67	-2.9694E-03	137.3	44.64	140.4	61.42	UL-RL	4.4259E+04	-11.80	98.69	
1.000	1.000	143.3	0.000	0.000	Ug5_2_8_L_0						
61 D	29.15	-2.5947E-03	139.6	45.40	142.7	62.44	UL-RL	4.4259E+04	-12.00	100.4	
1.000	1.000	145.8	0.000	0.000	Ug5_2_8_L_0						
62 D	32.75	-2.2324E-03	141.8	61.73	144.8	63.36	UL-RL	2.1956E+04	-12.20	102.0	
1.000	1.000	163.8	0.000	0.000	Ug6_741_743_L_0						
63 D	33.29	-1.8817E-03	143.9	62.74	147.0	64.63	UL-RL	2.1956E+04	-12.40	103.7	
1.000	1.000	166.4	0.000	0.000	Ug6_741_743_L_0						
64 D	33.91	-1.5417E-03	146.0	64.15	149.1	65.98	UL-RL	2.1956E+04	-12.60	105.4	
1.000	1.000	169.5	0.000	0.000	Ug6_741_743_L_0						
65 D	34.64	-1.2114E-03	148.1	66.15	151.2	67.26	UL-RL	2.1956E+04	-12.80	107.1	
1.000	1.000	173.2	0.000	0.000	Ug6_741_743_L_0						
66 D	35.36	-8.9008E-04	150.3	68.10	153.3	68.49	UL-RL	2.1956E+04	-13.00	108.7	
1.000	1.000	176.8	0.000	0.000	Ug6_741_743_L_0						
67 D	35.98	-5.7669E-04	152.4	69.49	155.4	69.86	UL-RL	2.1956E+04	-13.20	110.4	
1.000	1.000	179.9	0.000	0.000	Ug6_741_743_L_0						
68 D	36.71	-2.7042E-04	154.5	71.45	157.5	71.81	UL-RL	2.1956E+04	-13.40	112.1	
1.000	1.000	183.5	0.000	0.000	Ug6_741_743_L_0						

69	D	37.66	2.9585E-05	156.7	74.54	159.6	74.87	UL-RL	2.1956E+04	-13.60	113.7
1.000		1.000	188.3	0.000	0.000	Ug6_741_743_L_0					
70	D	38.52	3.2416E-04	158.8	77.18	161.7	77.49	UL-RL	2.1956E+04	-13.80	115.4
1.000		1.000	192.6	0.000	0.000	Ug6_741_743_L_0					
71	D	39.43	6.1410E-04	160.9	80.05	163.8	80.34	UL-RL	2.1956E+04	-14.00	117.1
1.000		1.000	197.1	0.000	0.000	Ug6_741_743_L_0					
72	D	40.41	9.0015E-04	163.0	83.29	165.9	83.56	UL-RL	2.1956E+04	-14.20	118.8
1.000		1.000	202.1	0.000	0.000	Ug6_741_743_L_0					
73	D	41.39	1.1830E-03	165.2	86.50	168.0	86.76	UL-RL	2.1956E+04	-14.40	120.4
1.000		1.000	206.9	0.000	0.000	Ug6_741_743_L_0					
74	D	42.36	1.4633E-03	167.3	89.69	170.1	89.92	UL-RL	2.1956E+04	-14.60	122.1
1.000		1.000	211.8	0.000	0.000	Ug6_741_743_L_0					
75	D	43.33	1.7417E-03	169.4	92.86	172.2	93.07	UL-RL	2.1956E+04	-14.80	123.8
1.000		1.000	216.6	0.000	0.000	Ug6_741_743_L_0					
76	D	44.29	2.0186E-03	171.5	96.01	174.3	96.21	UL-RL	2.1956E+04	-15.00	125.5
1.000		1.000	221.5	0.000	0.000	Ug6_741_743_L_0					
77	D	45.26	2.2945E-03	173.7	99.16	176.4	99.34	UL-RL	2.1956E+04	-15.20	127.1
1.000		1.000	226.3	0.000	0.000	Ug6_741_743_L_0					
78	D	46.22	2.5697E-03	175.8	102.3	178.5	102.5	UL-RL	2.1956E+04	-15.40	128.8
1.000		1.000	231.1	0.000	0.000	Ug6_741_743_L_0					
79	D	47.18	2.8445E-03	177.9	105.4	180.6	105.6	UL-RL	2.1956E+04	-15.60	130.5
1.000		1.000	235.9	0.000	0.000	Ug6_741_743_L_0					
80	D	48.14	3.1192E-03	180.1	108.6	182.7	108.7	UL-RL	2.1956E+04	-15.80	132.1
1.000		1.000	240.7	0.000	0.000	Ug6_741_743_L_0					
81	D	24.55	3.3938E-03	182.2	111.7	184.8	111.8	UL-RL	2.1956E+04	-16.00	133.8
1.000		1.000	245.5	0.000	0.000	Ug6_741_743_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                            |
 |                                   Exe Time :24 May 2018       18:25:50                                                        |
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 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   81
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR        Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24 D  0.9471      2.8116E-02  0.8364      3.572       46.00       65.67         UL-RL  2.8243E+04  -4.600       1.164
1.000       1.000       4.736       0.000       0.000     Ug5_2_8_L_0
  25 D   2.944      2.7162E-02   2.509      11.23       48.00       73.88         UL-RL  2.8243E+04  -4.800       3.491
1.000       1.000       14.72       0.000       0.000     Ug5_2_8_L_0
  26 D   4.940      2.6215E-02   4.182      18.88       50.00       81.80         UL-RL  2.8243E+04  -5.000       5.818
1.000       1.000       24.70       0.000       0.000     Ug5_2_8_L_0
  27 D   6.937      2.5275E-02   5.855      26.54       52.00       79.44         UL-RL  2.8243E+04  -5.200       8.145
1.000       1.000       34.68       0.000       0.000     Ug5_2_8_L_0
  28 D   8.934      2.4343E-02   7.527      34.20       54.00       77.17         UL-RL  2.8243E+04  -5.400       10.47
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1.000	1.000	44.67	0.000	0.000	Ug5_2_8_L_0						
29 D	10.93	2.3420E-02	9.200	41.85	56.00	75.01	UL-RL	2.8243E+04	-5.600	12.80	
1.000	1.000	54.65	0.000	0.000	Ug5_2_8_L_0						
30 D	12.93	2.2507E-02	10.87	49.51	58.00	72.96	UL-RL	2.8243E+04	-5.800	15.13	
1.000	1.000	64.64	0.000	0.000	Ug5_2_8_L_0						
31 D	14.92	2.1605E-02	12.55	57.16	60.00	78.48	UL-RL	2.8243E+04	-6.000	17.45	
1.000	1.000	74.62	0.000	0.000	Ug5_2_8_L_0						
32 D	16.92	2.0715E-02	14.22	64.82	62.00	86.33	UL-RL	2.8243E+04	-6.200	19.78	
1.000	1.000	84.60	0.000	0.000	Ug5_2_8_L_0						
33 D	18.92	1.9837E-02	15.89	72.48	64.00	94.18	UL-RL	2.8243E+04	-6.400	22.11	
1.000	1.000	94.59	0.000	0.000	Ug5_2_8_L_0						
34 D	20.91	1.8973E-02	17.56	80.13	66.00	102.0	UL-RL	2.8243E+04	-6.600	24.44	
1.000	1.000	104.6	0.000	0.000	Ug5_2_8_L_0						
35 D	22.91	1.8124E-02	19.24	87.79	68.00	109.9	UL-RL	2.8243E+04	-6.800	26.76	
1.000	1.000	114.6	0.000	0.000	Ug5_2_8_L_0						
36 D	24.91	1.7290E-02	20.91	95.45	70.00	117.7	UL-RL	2.8243E+04	-7.000	29.09	
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0						
37 D	26.90	1.6472E-02	22.58	103.1	72.00	125.4	UL-RL	2.8243E+04	-7.200	31.42	
1.000	1.000	134.5	0.000	0.000	Ug5_2_8_L_0						
38 D	28.90	1.5671E-02	24.25	110.8	74.00	120.9	UL-RL	2.8243E+04	-7.400	33.75	
1.000	1.000	144.5	0.000	0.000	Ug5_2_8_L_0						
39 D	30.90	1.4888E-02	25.93	118.4	76.00	118.7	UL-RL	2.8243E+04	-7.600	36.07	
1.000	1.000	154.5	0.000	0.000	Ug5_2_8_L_0						
40 D	32.89	1.4123E-02	27.60	126.1	78.00	126.4	UL-RL	2.8243E+04	-7.800	38.40	
1.000	1.000	164.5	0.000	0.000	Ug5_2_8_L_0						
41 D	34.89	1.3378E-02	29.27	133.7	80.00	134.0	UL-RL	2.8243E+04	-8.000	40.73	
1.000	1.000	174.5	0.000	0.000	Ug5_2_8_L_0						
42 D	36.89	1.2652E-02	30.95	141.4	82.00	141.7	UL-RL	2.8243E+04	-8.200	43.05	
1.000	1.000	184.4	0.000	0.000	Ug5_2_8_L_0						
43 D	38.88	1.1946E-02	32.62	149.0	84.00	149.3	UL-RL	2.8243E+04	-8.400	45.38	
1.000	1.000	194.4	0.000	0.000	Ug5_2_8_L_0						
44 D	40.59	1.1260E-02	34.29	155.3	86.00	155.6	UL-RL	2.8243E+04	-8.600	47.71	
1.000	1.000	203.0	0.000	0.000	Ug5_2_8_L_0						
45 D	39.84	1.0595E-02	35.96	149.1	88.00	149.4	UL-RL	2.8243E+04	-8.800	50.04	
1.000	1.000	199.2	0.000	0.000	Ug5_2_8_L_0						
46 D	39.13	9.9512E-03	37.64	143.3	90.00	143.6	UL-RL	2.8243E+04	-9.000	52.36	
1.000	1.000	195.6	0.000	0.000	Ug5_2_8_L_0						
47 D	38.47	9.3277E-03	39.31	137.6	92.00	137.9	UL-RL	2.8243E+04	-9.200	54.69	
1.000	1.000	192.3	0.000	0.000	Ug5_2_8_L_0						
48 D	37.85	8.7249E-03	40.98	132.3	94.00	132.6	UL-RL	2.8243E+04	-9.400	57.02	
1.000	1.000	189.3	0.000	0.000	Ug5_2_8_L_0						
49 D	37.29	8.1426E-03	42.65	127.1	96.00	127.4	UL-RL	2.8243E+04	-9.600	59.35	
1.000	1.000	186.4	0.000	0.000	Ug5_2_8_L_0						
50 D	36.77	7.5806E-03	44.33	122.2	98.00	122.5	UL-RL	2.8243E+04	-9.800	61.67	
1.000	1.000	183.9	0.000	0.000	Ug5_2_8_L_0						
51 D	36.30	7.0385E-03	46.00	117.5	100.00	117.8	UL-RL	2.8243E+04	-10.00	64.00	
1.000	1.000	181.5	0.000	0.000	Ug5_2_8_L_0						
52 D	35.87	6.5159E-03	47.67	113.0	102.0	113.4	UL-RL	2.8243E+04	-10.20	66.33	
1.000	1.000	179.4	0.000	0.000	Ug5_2_8_L_0						
53 D	35.49	6.0125E-03	49.35	108.8	104.0	109.1	UL-RL	2.8243E+04	-10.40	68.65	
1.000	1.000	177.5	0.000	0.000	Ug5_2_8_L_0						
54 D	35.15	5.5275E-03	51.02	104.8	106.0	105.1	UL-RL	2.8243E+04	-10.60	70.98	
1.000	1.000	175.8	0.000	0.000	Ug5_2_8_L_0						
55 D	34.85	5.0604E-03	52.69	100.9	108.0	101.3	UL-RL	2.8243E+04	-10.80	73.31	
1.000	1.000	174.3	0.000	0.000	Ug5_2_8_L_0						
56 D	34.59	4.6106E-03	54.36	97.31	110.0	97.67	UL-RL	2.8243E+04	-11.00	75.64	
1.000	1.000	172.9	0.000	0.000	Ug5_2_8_L_0						
57 D	34.37	4.1773E-03	56.04	93.86	112.0	94.23	UL-RL	2.8243E+04	-11.20	77.96	
1.000	1.000	171.8	0.000	0.000	Ug5_2_8_L_0						
58 D	34.18	3.7599E-03	57.71	90.59	114.0	90.97	UL-RL	2.8243E+04	-11.40	80.29	
1.000	1.000	170.9	0.000	0.000	Ug5_2_8_L_0						
59 D	34.02	3.3576E-03	59.38	87.49	116.0	87.88	UL-RL	2.8243E+04	-11.60	82.62	
1.000	1.000	170.1	0.000	0.000	Ug5_2_8_L_0						
60 D	33.90	2.9694E-03	61.05	84.55	118.0	84.95	UL-RL	2.8243E+04	-11.80	84.95	
1.000	1.000	169.5	0.000	0.000	Ug5_2_8_L_0						
61 D	33.81	2.5947E-03	62.73	81.76	120.0	82.17	UL-RL	2.8243E+04	-12.00	87.27	
1.000	1.000	169.0	0.000	0.000	Ug5_2_8_L_0						
62 D	32.45	2.2324E-03	64.20	72.64	121.8	72.95	UL-RL	2.0495E+04	-12.20	89.60	
1.000	1.000	162.2	0.000	0.000	Ug6_741_743_L_0						
63 D	32.58	1.8817E-03	65.67	70.97	123.6	71.29	UL-RL	2.0495E+04	-12.40	91.93	
1.000	1.000	162.9	0.000	0.000	Ug6_741_743_L_0						
64 D	32.68	1.5417E-03	67.15	69.13	125.4	69.84	UL-RL	2.0495E+04	-12.60	94.25	
1.000	1.000	163.4	0.000	0.000	Ug6_741_743_L_0						
65 D	32.72	1.2114E-03	68.62	67.00	127.2	68.65	UL-RL	2.0495E+04	-12.80	96.58	
1.000	1.000	163.6	0.000	0.000	Ug6_741_743_L_0						
66 D	32.77	8.9008E-04	70.09	64.94	129.0	67.53	UL-RL	2.0495E+04	-13.00	98.91	
1.000	1.000	163.8	0.000	0.000	Ug6_741_743_L_0						
67 D	32.84	5.7669E-04	71.56	62.94	130.8	66.47	UL-RL	2.0495E+04	-13.20	101.2	
1.000	1.000	164.2	0.000	0.000	Ug6_741_743_L_0						
68 D	32.41	2.7042E-04	73.04	58.51	132.6	66.72	UL-RL	2.0495E+04	-13.40	103.6	
1.000	1.000	162.1	0.000	0.000	Ug6_741_743_L_0						

69 D	31.76	-2.9585E-05	74.51	52.93	134.4	67.60	UL-RL	2.0495E+04	-13.60	105.9
1.000	1.000	158.8	0.000	0.000	Ug6_741_743_L_0					
70 D	31.14	-3.2416E-04	75.98	47.48	136.2	68.49	UL-RL	2.0495E+04	-13.80	108.2
1.000	1.000	155.7	0.000	0.000	Ug6_741_743_L_0					
71 D	30.54	-6.1410E-04	77.45	42.14	138.0	69.38	UL-RL	2.0495E+04	-14.00	110.5
1.000	1.000	152.7	0.000	0.000	Ug6_741_743_L_0					
72 D	29.95	-9.0015E-04	78.93	36.89	139.8	70.27	UL-RL	2.0495E+04	-14.20	112.9
1.000	1.000	149.8	0.000	0.000	Ug6_741_743_L_0					
73 D	29.46	-1.1830E-03	80.40	32.08	141.6	71.16	ACTIVE	0.000	-14.40	115.2
1.000	1.000	147.3	0.000	0.000	Ug6_741_743_L_0					
74 D	30.06	-1.4633E-03	81.87	32.77	143.4	72.05	ACTIVE	0.000	-14.60	117.5
1.000	1.000	150.3	0.000	0.000	Ug6_741_743_L_0					
75 D	30.66	-1.7417E-03	83.35	33.46	145.2	72.94	ACTIVE	0.000	-14.80	119.9
1.000	1.000	153.3	0.000	0.000	Ug6_741_743_L_0					
76 D	31.26	-2.0186E-03	84.82	34.14	147.0	73.84	ACTIVE	0.000	-15.00	122.2
1.000	1.000	156.3	0.000	0.000	Ug6_741_743_L_0					
77 D	31.87	-2.2945E-03	86.29	34.83	148.8	74.73	ACTIVE	0.000	-15.20	124.5
1.000	1.000	159.3	0.000	0.000	Ug6_741_743_L_0					
78 D	32.47	-2.5697E-03	87.76	35.52	150.6	75.62	ACTIVE	0.000	-15.40	126.8
1.000	1.000	162.4	0.000	0.000	Ug6_741_743_L_0					
79 D	33.07	-2.8445E-03	89.24	36.21	152.4	76.51	ACTIVE	0.000	-15.60	129.2
1.000	1.000	165.4	0.000	0.000	Ug6_741_743_L_0					
80 D	33.68	-3.1192E-03	90.71	36.89	154.2	77.40	ACTIVE	0.000	-15.80	131.5
1.000	1.000	168.4	0.000	0.000	Ug6_741_743_L_0					
81 D	17.14	-3.3938E-03	92.18	37.58	156.0	78.29	ACTIVE	0.000	-16.00	133.8
1.000	1.000	171.4	0.000	0.000	Ug6_741_743_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.SISMICAGEO_1847                                      |
|                                   Exe Time :24 May 2018       18:25:50                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   80
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-------------------------------------------------------
    1-9.77946E-09 9.77946E-09-9.78546E-10-1.24177E-09
    2 0.52513    -0.52513     9.21866E-11 0.10503
    3  1.5363     -1.5363    -0.10503     0.41228
    4  3.0341     -3.0341    -0.41228      1.0191
    5  5.0191     -5.0191     -1.0191      2.0229
    6  7.4915     -7.4915     -2.0229      3.5212
    7  10.451     -10.451     -3.5212      5.6115
    8  13.900     -13.900     -5.6115      8.3914
    9  17.837     -17.837     -8.3914      11.959
   10  22.261     -22.261     -11.959      16.411
   11  27.173     -27.173     -16.411      21.846
   12  32.572     -32.572     -21.846      28.360
   13  38.457     -38.457     -28.360      36.051
   14  44.828     -44.828     -36.051      45.017
   15  51.686     -51.686     -45.017      55.354
   16  59.031     -59.031     -55.354      67.161
   17  66.860     -66.860     -67.161      80.532
   18  75.174     -75.174     -80.532      95.567
   19  83.974     -83.974     -95.567      112.36
   20  93.259     -93.259     -112.36      131.01
   21  103.03     -103.03     -131.01      151.62
   22  113.28     -113.28     -151.62      174.28
   23  124.02     -124.02     -174.28      199.08
   24  134.30     -134.30     -199.08      225.94
   25  143.06     -143.06     -225.94      254.55
   26  150.31     -150.31     -254.55      284.61
   27  156.05     -156.05     -284.61      315.82
   28  160.28     -160.28     -315.82      347.88
   29  162.99     -162.99     -347.88      380.48
   30  164.19     -164.19     -380.48      413.32
   31  163.88     -163.88     -413.32      446.09
   32  162.05     -162.05     -446.09      478.50
   33  158.71     -158.71     -478.50      510.24
   34  153.86     -153.86     -510.24      541.01
   35  147.49     -147.49     -541.01      570.51
   36  139.62     -139.62     -570.51      598.44
   37  130.22     -130.22     -598.44      624.48
   38  119.32     -119.32     -624.48      648.34
   39  106.90     -106.90     -648.34      669.72
   40  92.973     -92.973     -669.72      688.32
   41  77.530     -77.530     -688.32      703.83
   42  60.575     -60.575     -703.83      715.94
   43  42.107     -42.107     -715.94      724.36
   44  22.414     -22.414     -724.36      728.84
   45  3.9631     -3.9631     -728.84      729.64
   46 -13.294      13.294     -729.64      726.98
   47 -29.406      29.406     -726.98      721.10
   48 -44.422      44.422     -721.10      712.21
   49 -58.389      58.389     -712.21      700.53
   50 -71.353      71.353     -700.53      686.26
   51 -83.361      83.361     -686.26      669.59
   52 -94.457      94.457     -669.59      650.70
   53 -104.69      104.69     -650.70      629.76
   54 -114.09      114.09     -629.76      606.95
   55 -122.70      122.70     -606.95      582.41
   56 -130.57      130.57     -582.41      556.29
   57 -137.73      137.73     -556.29      528.75
   58 -144.21      144.21     -528.75      499.90
   59 -150.06      150.06     -499.90      469.89
```

60	-155.29	155.29	-469.89	438.83
61	-159.94	159.94	-438.83	406.85
62	-159.64	159.64	-406.85	374.92
63	-158.93	158.93	-374.92	343.13
64	-157.70	157.70	-343.13	311.59
65	-155.77	155.77	-311.59	280.44
66	-153.18	153.18	-280.44	249.80
67	-150.04	150.04	-249.80	219.80
68	-145.74	145.74	-219.80	190.65
69	-139.85	139.85	-190.65	162.68
70	-132.47	132.47	-162.68	136.18
71	-123.58	123.58	-136.18	111.47
72	-113.12	113.12	-111.47	88.843
73	-101.12	101.12	-88.843	68.619
74	-88.816	88.816	-68.619	50.856
75	-76.150	76.150	-50.856	35.626
76	-63.122	63.122	-35.626	23.001
77	-49.733	49.733	-23.001	13.055
78	-35.984	35.984	-13.055	5.8579
79	-21.877	21.877	-5.8579	1.4824
80	-7.4119	7.4119	-1.4824	3.36642E-11

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                   NewProject.BaseDesignSection_28.SISMICAGEO_1847                                       |
|                                  Exe Time :24 May 2018       18:25:50                                                   |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                  NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.07 [sec]
DATABASE  CREATION CPU TIME.....    0.27 [sec]
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5. VERIFICHE PALNCOLE PROTEZIONE SCAVI VI06

PARATIE plus 2017

Report di Calcolo

Nome Progetto: New Project

Autore: Ingegnere

Jobname: Z:\01 COM\2017-010-ANAS-Pedemontana Piemontese\02-Bozze e varie\04_Sottofondazioni\Paratie provvisionali\palancola AZ36 scavo plinti con tura h5,5m - con accidentale - 10kPa - berma come carico.pplus

Data: 24/05/2018 18:24:09

Design Section: Base Design Section

Descrizione del Software

ParatiePlus è un codice agli elementi finiti che simula il problema di uno scavo sostenuto da diaframmi flessibili e permette di valutare il comportamento della parete di sostegno durante tutte le fasi intermedie e nella configurazione finale.

Descrizione della Stratigrafia e degli Strati di Terreno

Tipo : HORIZONTAL
Quota : 0 m
OCR : 1

Tipo : HORIZONTAL
Quota : -12 m
OCR : 1

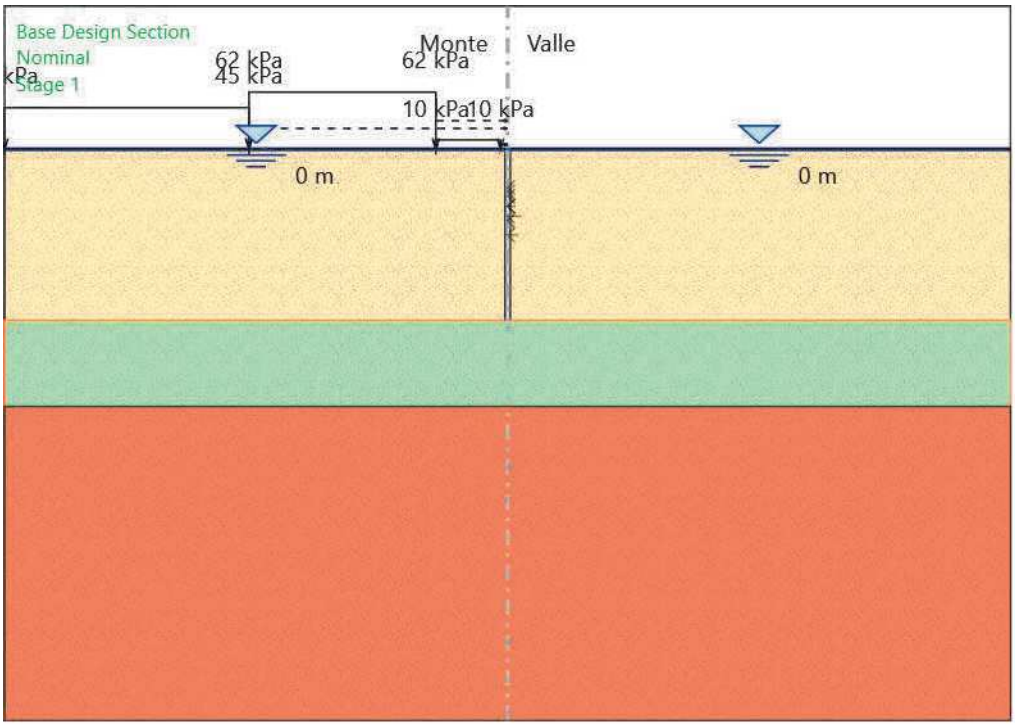
Tipo : HORIZONTAL
Quota : -18 m
OCR : 1

Descrizione Pareti

X : 0 m
Quota in alto : 0 m
Quota di fondo : -12 m
Muro di sinistra

Fasi di Calcolo

Stage 1



Stage 1

Elementi strutturali

Paratia : WallElement

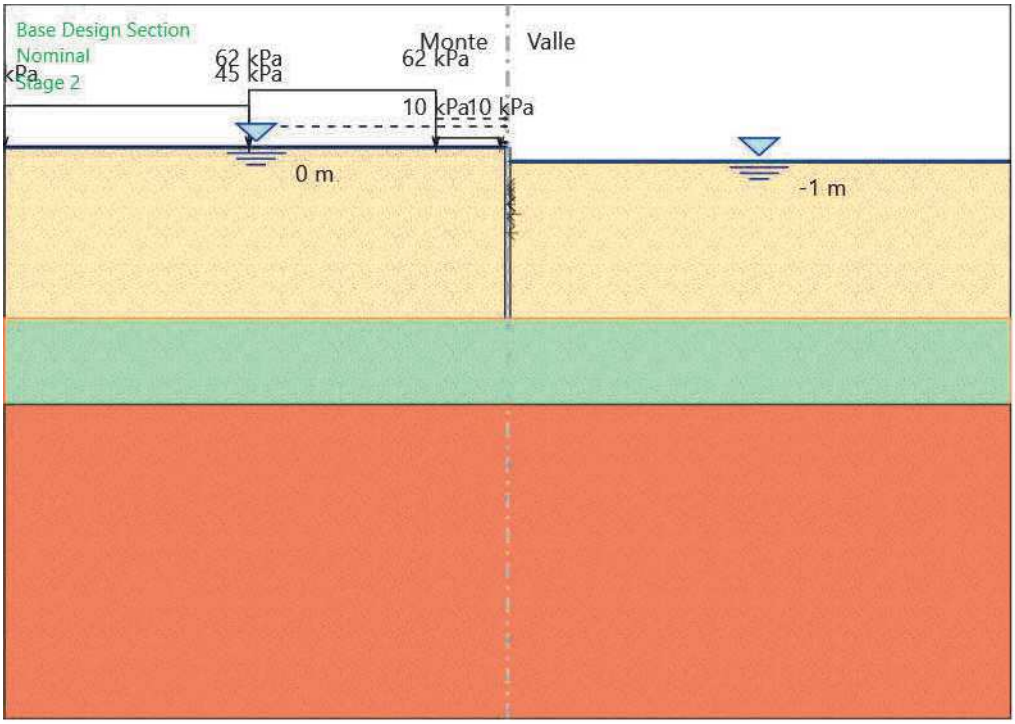
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 2



Stage 2

Elementi strutturali

Paratia : WallElement

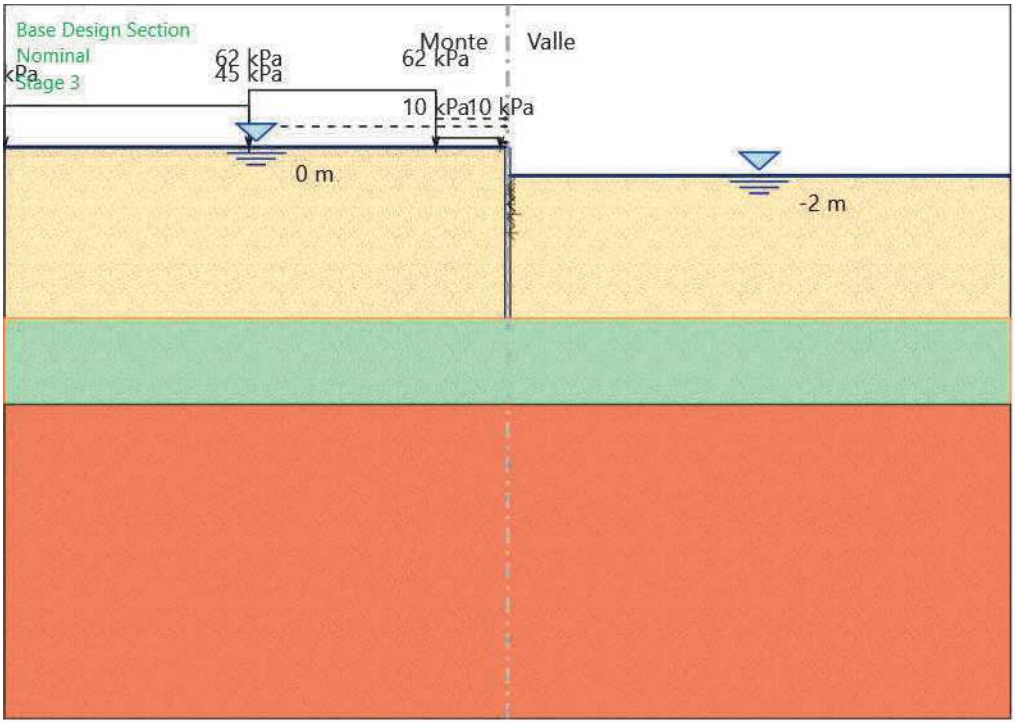
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 3



Stage 3

Elementi strutturali

Paratia : WallElement

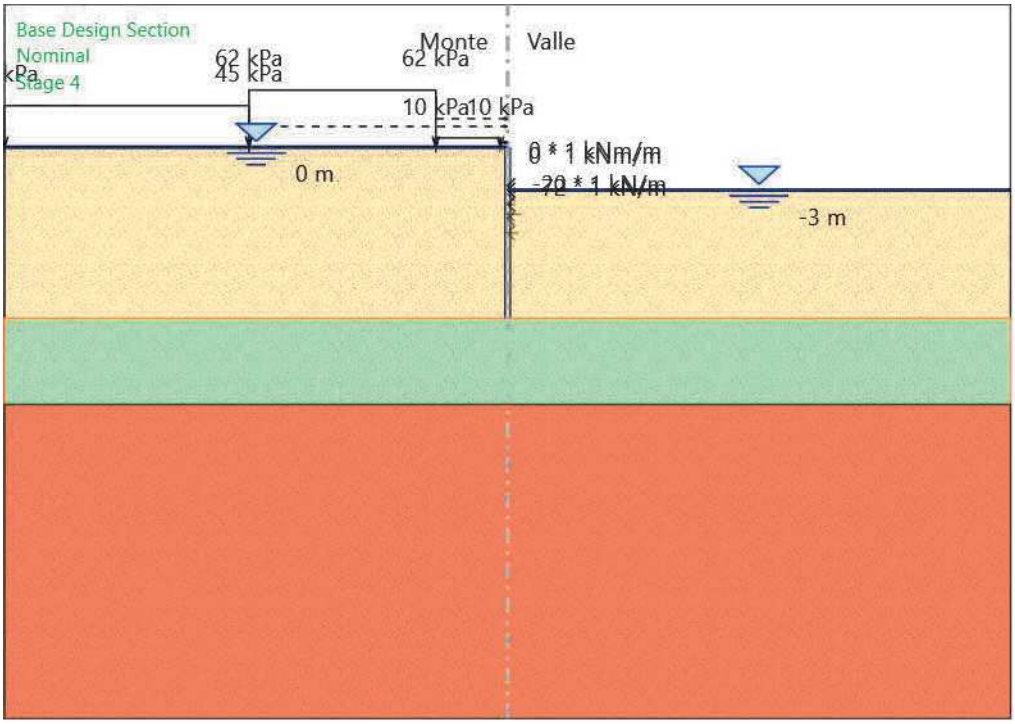
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 4



Stage 4

Elementi strutturali

Paratia : WallElement

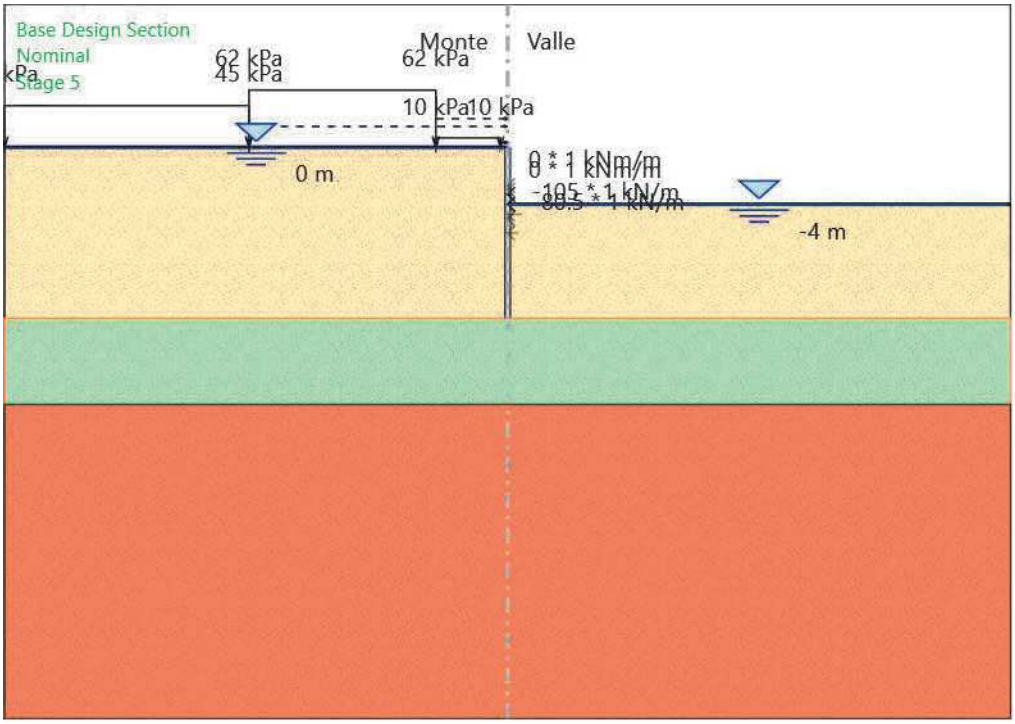
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 5



Stage 5

Elementi strutturali

Paratia : WallElement

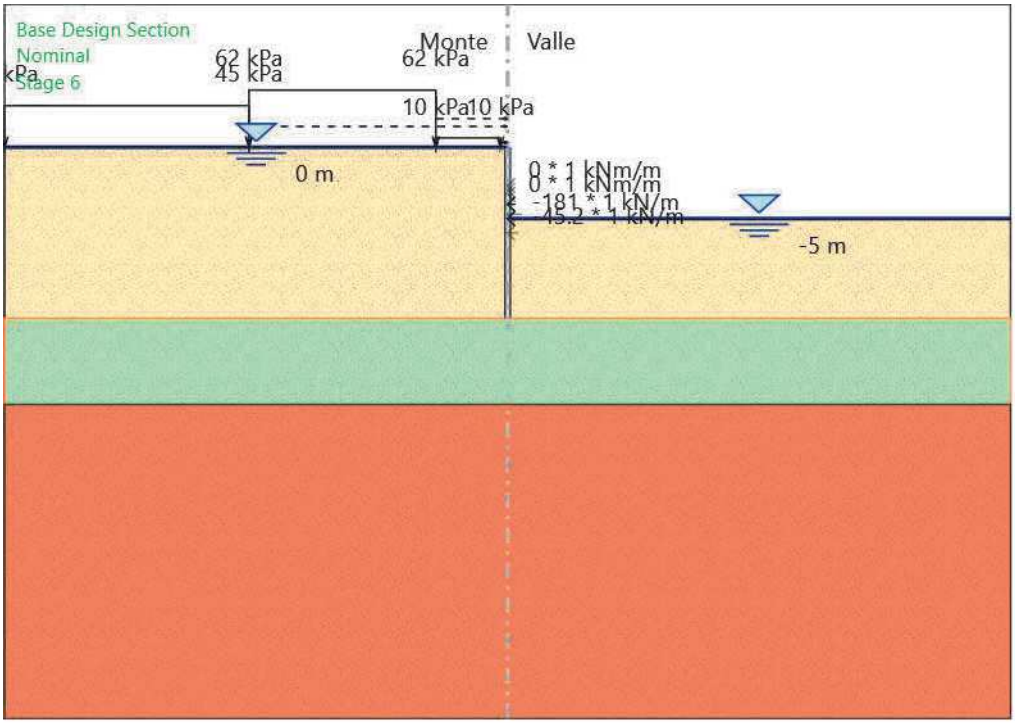
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 6



Stage 6

Elementi strutturali

Paratia : WallElement

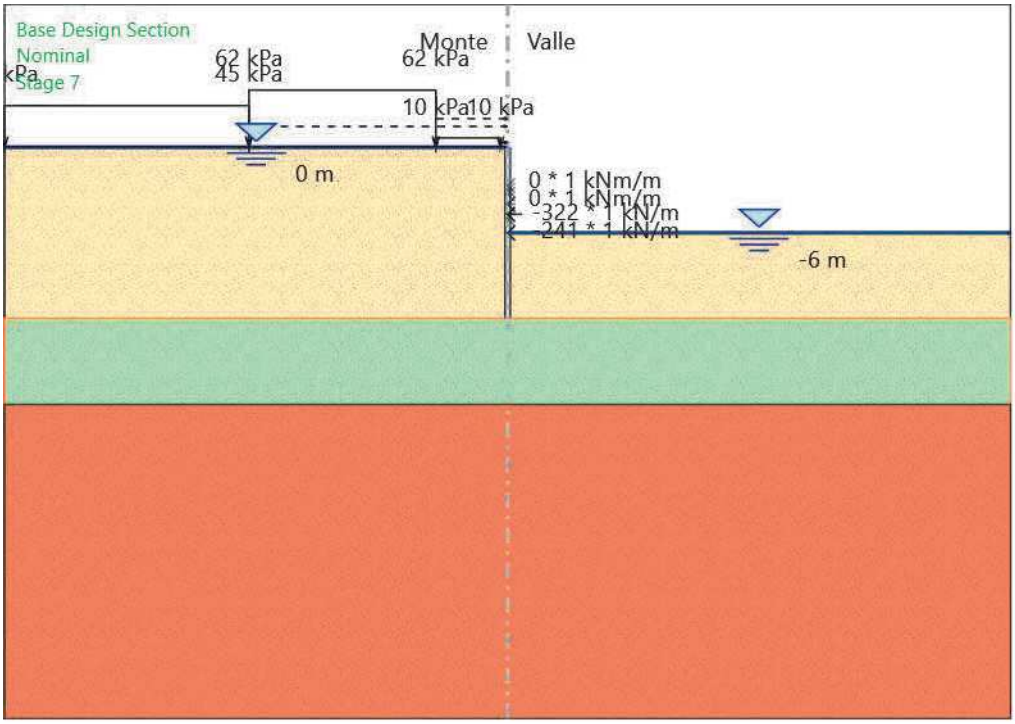
X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Stage 7



Stage 7

Elementi strutturali

Paratia : WallElement

X : 0 m

Quota in alto : 0 m

Quota di fondo : -12 m

Sezione : Default Section

Grafici dei Risultati

Design Assumption : Nominal

Tabella Spostamento Nominal - LEFT Stage: Stage 1

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	0	0
Stage 1	-0.2	0
Stage 1	-0.4	0
Stage 1	-0.6	0
Stage 1	-0.8	0
Stage 1	-1	0
Stage 1	-1.2	0
Stage 1	-1.4	0
Stage 1	-1.6	0
Stage 1	-1.8	0
Stage 1	-2	0
Stage 1	-2.2	0
Stage 1	-2.4	0
Stage 1	-2.6	0
Stage 1	-2.8	0
Stage 1	-3	0
Stage 1	-3.2	0
Stage 1	-3.4	0
Stage 1	-3.6	0
Stage 1	-3.8	0
Stage 1	-4	0
Stage 1	-4.2	0
Stage 1	-4.4	0
Stage 1	-4.6	0
Stage 1	-4.8	0
Stage 1	-5	0
Stage 1	-5.2	0
Stage 1	-5.4	0
Stage 1	-5.6	0
Stage 1	-5.8	0
Stage 1	-6	0
Stage 1	-6.2	0
Stage 1	-6.4	0
Stage 1	-6.6	0
Stage 1	-6.8	0
Stage 1	-7	0
Stage 1	-7.2	0
Stage 1	-7.4	0
Stage 1	-7.6	0
Stage 1	-7.8	0
Stage 1	-8	0
Stage 1	-8.2	0
Stage 1	-8.4	0
Stage 1	-8.6	0
Stage 1	-8.8	0
Stage 1	-9	0
Stage 1	-9.2	0
Stage 1	-9.4	0
Stage 1	-9.6	0
Stage 1	-9.8	0
Stage 1	-10	0
Stage 1	-10.2	0

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 1	-10.4	0
Stage 1	-10.6	0
Stage 1	-10.8	0
Stage 1	-11	0
Stage 1	-11.2	0
Stage 1	-11.4	0
Stage 1	-11.6	0
Stage 1	-11.8	0
Stage 1	-12	0

Tabella Spostamento Nominal - LEFT Stage: Stage 2

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	0	0.21
Stage 2	-0.2	0.2
Stage 2	-0.4	0.18
Stage 2	-0.6	0.17
Stage 2	-0.8	0.16
Stage 2	-1	0.14
Stage 2	-1.2	0.13
Stage 2	-1.4	0.12
Stage 2	-1.6	0.1
Stage 2	-1.8	0.09
Stage 2	-2	0.08
Stage 2	-2.2	0.07
Stage 2	-2.4	0.06
Stage 2	-2.6	0.06
Stage 2	-2.8	0.05
Stage 2	-3	0.05
Stage 2	-3.2	0.04
Stage 2	-3.4	0.04
Stage 2	-3.6	0.04
Stage 2	-3.8	0.03
Stage 2	-4	0.03
Stage 2	-4.2	0.03
Stage 2	-4.4	0.03
Stage 2	-4.6	0.03
Stage 2	-4.8	0.03
Stage 2	-5	0.03
Stage 2	-5.2	0.03
Stage 2	-5.4	0.03
Stage 2	-5.6	0.03
Stage 2	-5.8	0.03
Stage 2	-6	0.03
Stage 2	-6.2	0.03
Stage 2	-6.4	0.03
Stage 2	-6.6	0.03
Stage 2	-6.8	0.03
Stage 2	-7	0.03
Stage 2	-7.2	0.03
Stage 2	-7.4	0.03
Stage 2	-7.6	0.03
Stage 2	-7.8	0.03
Stage 2	-8	0.03
Stage 2	-8.2	0.03
Stage 2	-8.4	0.03
Stage 2	-8.6	0.03
Stage 2	-8.8	0.03
Stage 2	-9	0.03
Stage 2	-9.2	0.03
Stage 2	-9.4	0.03
Stage 2	-9.6	0.03
Stage 2	-9.8	0.02
Stage 2	-10	0.02
Stage 2	-10.2	0.02
Stage 2	-10.4	0.02
Stage 2	-10.6	0.02
Stage 2	-10.8	0.02
Stage 2	-11	0.02
Stage 2	-11.2	0.02
Stage 2	-11.4	0.02

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 2	-11.6	0.02
Stage 2	-11.8	0.02
Stage 2	-12	0.02

Tabella Spostamento Nominal - LEFT Stage: Stage 3

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	0	2.99
Stage 3	-0.2	2.85
Stage 3	-0.4	2.71
Stage 3	-0.6	2.57
Stage 3	-0.8	2.42
Stage 3	-1	2.28
Stage 3	-1.2	2.14
Stage 3	-1.4	2
Stage 3	-1.6	1.86
Stage 3	-1.8	1.72
Stage 3	-2	1.58
Stage 3	-2.2	1.45
Stage 3	-2.4	1.32
Stage 3	-2.6	1.19
Stage 3	-2.8	1.07
Stage 3	-3	0.95
Stage 3	-3.2	0.84
Stage 3	-3.4	0.74
Stage 3	-3.6	0.64
Stage 3	-3.8	0.55
Stage 3	-4	0.47
Stage 3	-4.2	0.4
Stage 3	-4.4	0.33
Stage 3	-4.6	0.28
Stage 3	-4.8	0.23
Stage 3	-5	0.19
Stage 3	-5.2	0.15
Stage 3	-5.4	0.12
Stage 3	-5.6	0.1
Stage 3	-5.8	0.08
Stage 3	-6	0.06
Stage 3	-6.2	0.05
Stage 3	-6.4	0.05
Stage 3	-6.6	0.04
Stage 3	-6.8	0.04
Stage 3	-7	0.04
Stage 3	-7.2	0.04
Stage 3	-7.4	0.04
Stage 3	-7.6	0.04
Stage 3	-7.8	0.04
Stage 3	-8	0.05
Stage 3	-8.2	0.05
Stage 3	-8.4	0.05
Stage 3	-8.6	0.05
Stage 3	-8.8	0.06
Stage 3	-9	0.06
Stage 3	-9.2	0.06
Stage 3	-9.4	0.06
Stage 3	-9.6	0.06
Stage 3	-9.8	0.06
Stage 3	-10	0.06
Stage 3	-10.2	0.06
Stage 3	-10.4	0.07
Stage 3	-10.6	0.07
Stage 3	-10.8	0.07
Stage 3	-11	0.07
Stage 3	-11.2	0.07
Stage 3	-11.4	0.06

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 3	-11.6	0.06
Stage 3	-11.8	0.06
Stage 3	-12	0.06

Tabella Spostamento Nominal - LEFT Stage: Stage 4

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	0	2.96
Stage 4	-0.2	2.82
Stage 4	-0.4	2.67
Stage 4	-0.6	2.52
Stage 4	-0.8	2.38
Stage 4	-1	2.23
Stage 4	-1.2	2.09
Stage 4	-1.4	1.94
Stage 4	-1.6	1.8
Stage 4	-1.8	1.66
Stage 4	-2	1.52
Stage 4	-2.2	1.38
Stage 4	-2.4	1.25
Stage 4	-2.6	1.13
Stage 4	-2.8	1.01
Stage 4	-3	0.9
Stage 4	-3.2	0.8
Stage 4	-3.4	0.7
Stage 4	-3.6	0.62
Stage 4	-3.8	0.54
Stage 4	-4	0.48
Stage 4	-4.2	0.42
Stage 4	-4.4	0.36
Stage 4	-4.6	0.32
Stage 4	-4.8	0.28
Stage 4	-5	0.24
Stage 4	-5.2	0.22
Stage 4	-5.4	0.19
Stage 4	-5.6	0.18
Stage 4	-5.8	0.16
Stage 4	-6	0.15
Stage 4	-6.2	0.14
Stage 4	-6.4	0.14
Stage 4	-6.6	0.13
Stage 4	-6.8	0.13
Stage 4	-7	0.13
Stage 4	-7.2	0.13
Stage 4	-7.4	0.13
Stage 4	-7.6	0.13
Stage 4	-7.8	0.13
Stage 4	-8	0.13
Stage 4	-8.2	0.14
Stage 4	-8.4	0.14
Stage 4	-8.6	0.14
Stage 4	-8.8	0.14
Stage 4	-9	0.14
Stage 4	-9.2	0.14
Stage 4	-9.4	0.14
Stage 4	-9.6	0.14
Stage 4	-9.8	0.14
Stage 4	-10	0.14
Stage 4	-10.2	0.14
Stage 4	-10.4	0.13
Stage 4	-10.6	0.13
Stage 4	-10.8	0.13
Stage 4	-11	0.13
Stage 4	-11.2	0.13
Stage 4	-11.4	0.13

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 4	-11.6	0.12
Stage 4	-11.8	0.12
Stage 4	-12	0.12

Tabella Spostamento Nominal - LEFT Stage: Stage 5

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 5	0	3.01
Stage 5	-0.2	2.85
Stage 5	-0.4	2.7
Stage 5	-0.6	2.54
Stage 5	-0.8	2.39
Stage 5	-1	2.23
Stage 5	-1.2	2.08
Stage 5	-1.4	1.92
Stage 5	-1.6	1.77
Stage 5	-1.8	1.62
Stage 5	-2	1.47
Stage 5	-2.2	1.33
Stage 5	-2.4	1.18
Stage 5	-2.6	1.05
Stage 5	-2.8	0.92
Stage 5	-3	0.8
Stage 5	-3.2	0.69
Stage 5	-3.4	0.59
Stage 5	-3.6	0.5
Stage 5	-3.8	0.43
Stage 5	-4	0.36
Stage 5	-4.2	0.31
Stage 5	-4.4	0.27
Stage 5	-4.6	0.24
Stage 5	-4.8	0.22
Stage 5	-5	0.2
Stage 5	-5.2	0.19
Stage 5	-5.4	0.19
Stage 5	-5.6	0.19
Stage 5	-5.8	0.19
Stage 5	-6	0.19
Stage 5	-6.2	0.2
Stage 5	-6.4	0.2
Stage 5	-6.6	0.21
Stage 5	-6.8	0.22
Stage 5	-7	0.22
Stage 5	-7.2	0.23
Stage 5	-7.4	0.24
Stage 5	-7.6	0.24
Stage 5	-7.8	0.25
Stage 5	-8	0.25
Stage 5	-8.2	0.26
Stage 5	-8.4	0.26
Stage 5	-8.6	0.26
Stage 5	-8.8	0.26
Stage 5	-9	0.26
Stage 5	-9.2	0.26
Stage 5	-9.4	0.26
Stage 5	-9.6	0.25
Stage 5	-9.8	0.25
Stage 5	-10	0.25
Stage 5	-10.2	0.24
Stage 5	-10.4	0.24
Stage 5	-10.6	0.24
Stage 5	-10.8	0.23
Stage 5	-11	0.23
Stage 5	-11.2	0.22
Stage 5	-11.4	0.22

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 5	-11.6	0.21
Stage 5	-11.8	0.21
Stage 5	-12	0.21

Tabella Spostamento Nominal - LEFT Stage: Stage 6

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 6	0	3.35
Stage 6	-0.2	3.18
Stage 6	-0.4	3.02
Stage 6	-0.6	2.85
Stage 6	-0.8	2.69
Stage 6	-1	2.52
Stage 6	-1.2	2.36
Stage 6	-1.4	2.2
Stage 6	-1.6	2.03
Stage 6	-1.8	1.87
Stage 6	-2	1.71
Stage 6	-2.2	1.55
Stage 6	-2.4	1.4
Stage 6	-2.6	1.25
Stage 6	-2.8	1.1
Stage 6	-3	0.96
Stage 6	-3.2	0.83
Stage 6	-3.4	0.7
Stage 6	-3.6	0.59
Stage 6	-3.8	0.49
Stage 6	-4	0.4
Stage 6	-4.2	0.34
Stage 6	-4.4	0.28
Stage 6	-4.6	0.25
Stage 6	-4.8	0.22
Stage 6	-5	0.2
Stage 6	-5.2	0.2
Stage 6	-5.4	0.2
Stage 6	-5.6	0.2
Stage 6	-5.8	0.21
Stage 6	-6	0.23
Stage 6	-6.2	0.24
Stage 6	-6.4	0.26
Stage 6	-6.6	0.28
Stage 6	-6.8	0.3
Stage 6	-7	0.31
Stage 6	-7.2	0.33
Stage 6	-7.4	0.34
Stage 6	-7.6	0.36
Stage 6	-7.8	0.37
Stage 6	-8	0.38
Stage 6	-8.2	0.39
Stage 6	-8.4	0.39
Stage 6	-8.6	0.4
Stage 6	-8.8	0.4
Stage 6	-9	0.4
Stage 6	-9.2	0.4
Stage 6	-9.4	0.4
Stage 6	-9.6	0.4
Stage 6	-9.8	0.39
Stage 6	-10	0.39
Stage 6	-10.2	0.39
Stage 6	-10.4	0.38
Stage 6	-10.6	0.38
Stage 6	-10.8	0.37
Stage 6	-11	0.36
Stage 6	-11.2	0.36
Stage 6	-11.4	0.35

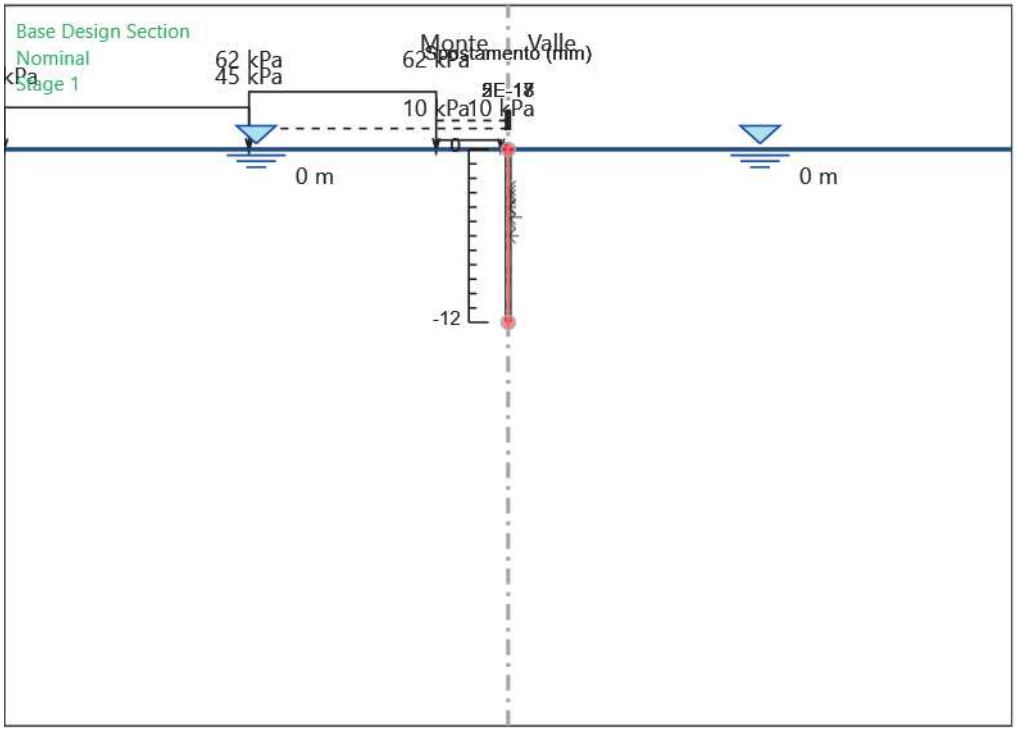
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 6	-11.6	0.34
Stage 6	-11.8	0.34
Stage 6	-12	0.33

Tabella Spostamento Nominal - LEFT Stage: Stage 7

Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 7	0	5.21
Stage 7	-0.2	4.87
Stage 7	-0.4	4.54
Stage 7	-0.6	4.2
Stage 7	-0.8	3.87
Stage 7	-1	3.54
Stage 7	-1.2	3.2
Stage 7	-1.4	2.87
Stage 7	-1.6	2.54
Stage 7	-1.8	2.21
Stage 7	-2	1.88
Stage 7	-2.2	1.55
Stage 7	-2.4	1.22
Stage 7	-2.6	0.9
Stage 7	-2.8	0.59
Stage 7	-3	0.28
Stage 7	-3.2	-0.03
Stage 7	-3.4	-0.32
Stage 7	-3.6	-0.6
Stage 7	-3.8	-0.87
Stage 7	-4	-1.12
Stage 7	-4.2	-1.35
Stage 7	-4.4	-1.55
Stage 7	-4.6	-1.73
Stage 7	-4.8	-1.87
Stage 7	-5	-1.97
Stage 7	-5.2	-2.03
Stage 7	-5.4	-2.06
Stage 7	-5.6	-2.06
Stage 7	-5.8	-2.03
Stage 7	-6	-1.97
Stage 7	-6.2	-1.88
Stage 7	-6.4	-1.76
Stage 7	-6.6	-1.63
Stage 7	-6.8	-1.49
Stage 7	-7	-1.33
Stage 7	-7.2	-1.18
Stage 7	-7.4	-1.02
Stage 7	-7.6	-0.86
Stage 7	-7.8	-0.71
Stage 7	-8	-0.56
Stage 7	-8.2	-0.42
Stage 7	-8.4	-0.29
Stage 7	-8.6	-0.16
Stage 7	-8.8	-0.05
Stage 7	-9	0.06
Stage 7	-9.2	0.15
Stage 7	-9.4	0.24
Stage 7	-9.6	0.32
Stage 7	-9.8	0.4
Stage 7	-10	0.46
Stage 7	-10.2	0.52
Stage 7	-10.4	0.58
Stage 7	-10.6	0.63
Stage 7	-10.8	0.68
Stage 7	-11	0.72
Stage 7	-11.2	0.77
Stage 7	-11.4	0.81

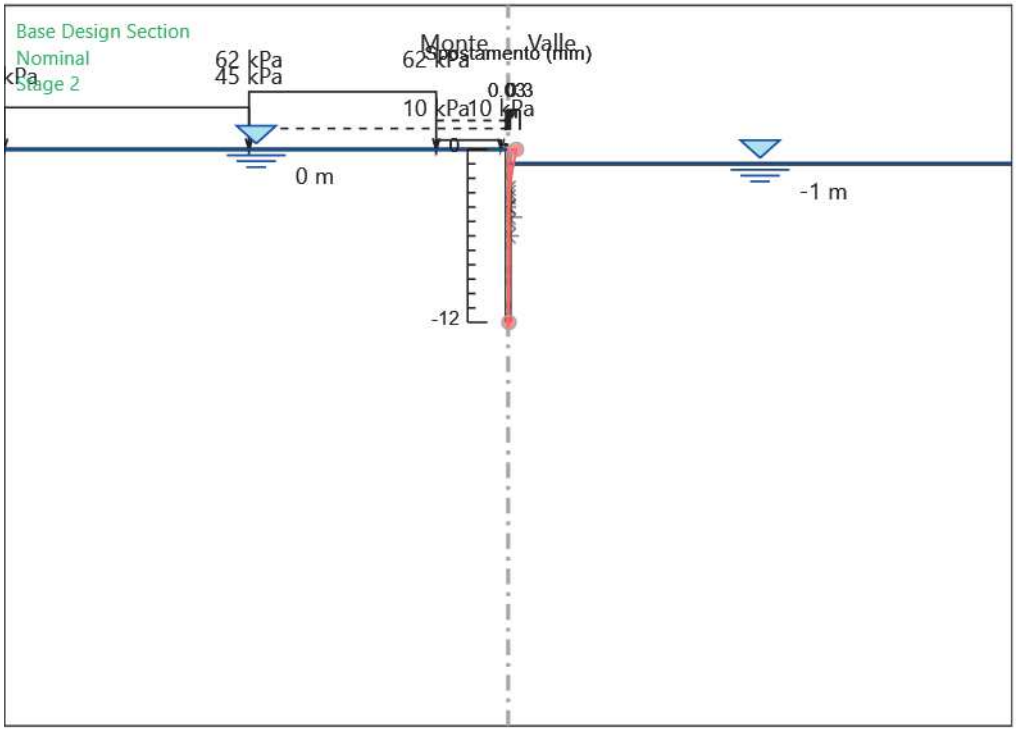
Design Assumption: Nominal	Tipo Risultato: Spostamento	Muro: LEFT
Stage	Z (m)	Spostamento (mm)
Stage 7	-11.6	0.85
Stage 7	-11.8	0.89
Stage 7	-12	0.94

Grafico Spostamento Nominal - Stage: Stage 1



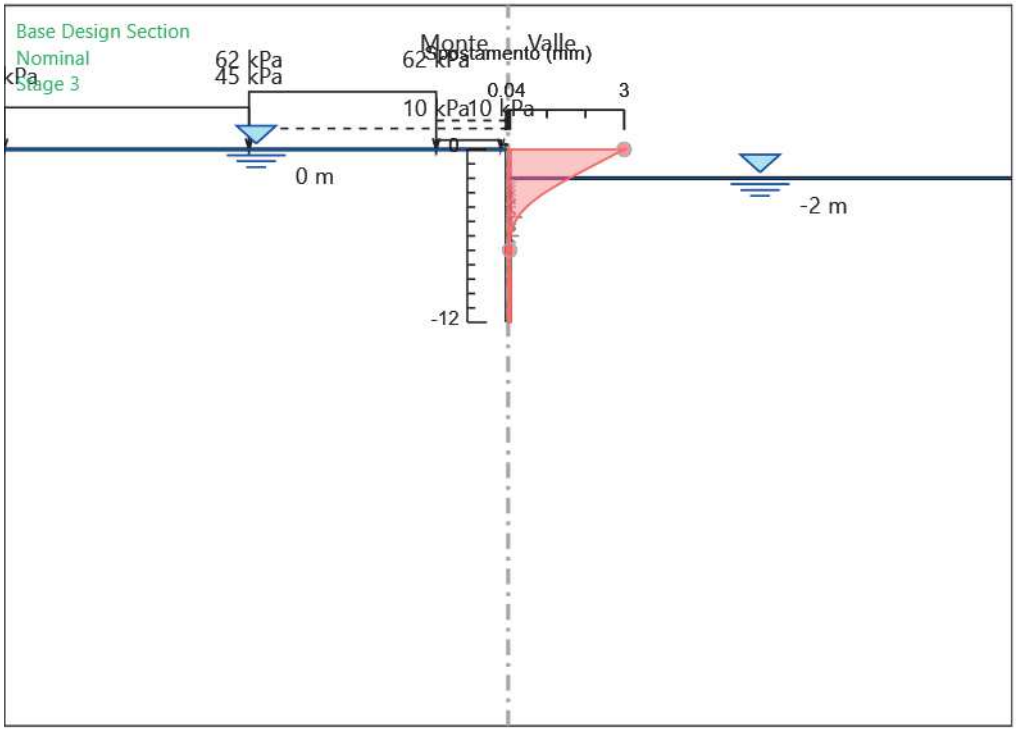
Design Assumption: Nominal
Stage: Stage 1
Spostamento

Grafico Spostamento Nominal - Stage: Stage 2



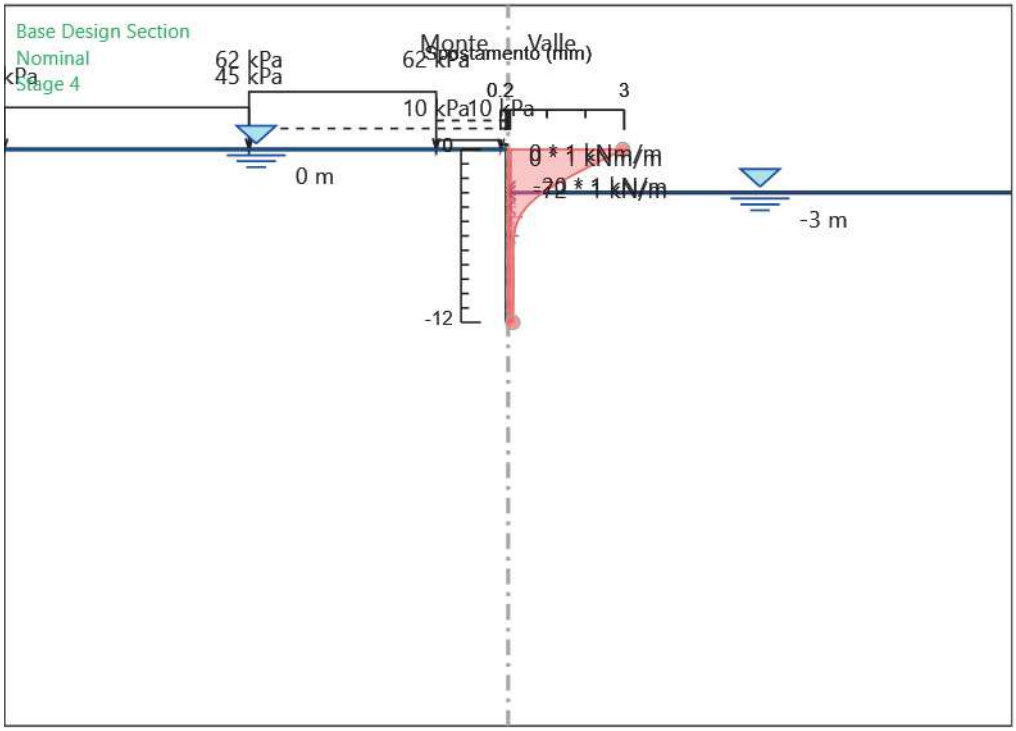
Design Assumption: Nominal
Stage: Stage 2
Spostamento

Grafico Spostamento Nominal - Stage: Stage 3



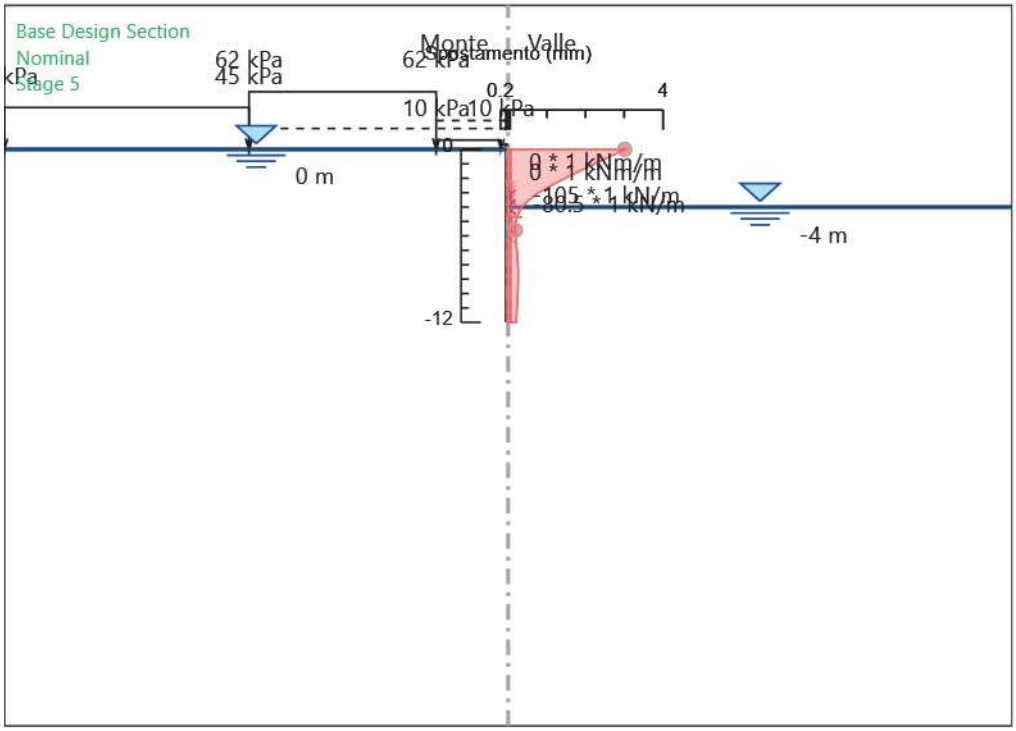
Design Assumption: Nominal
Stage: Stage 3
Spostamento

Grafico Spostamento Nominal - Stage: Stage 4



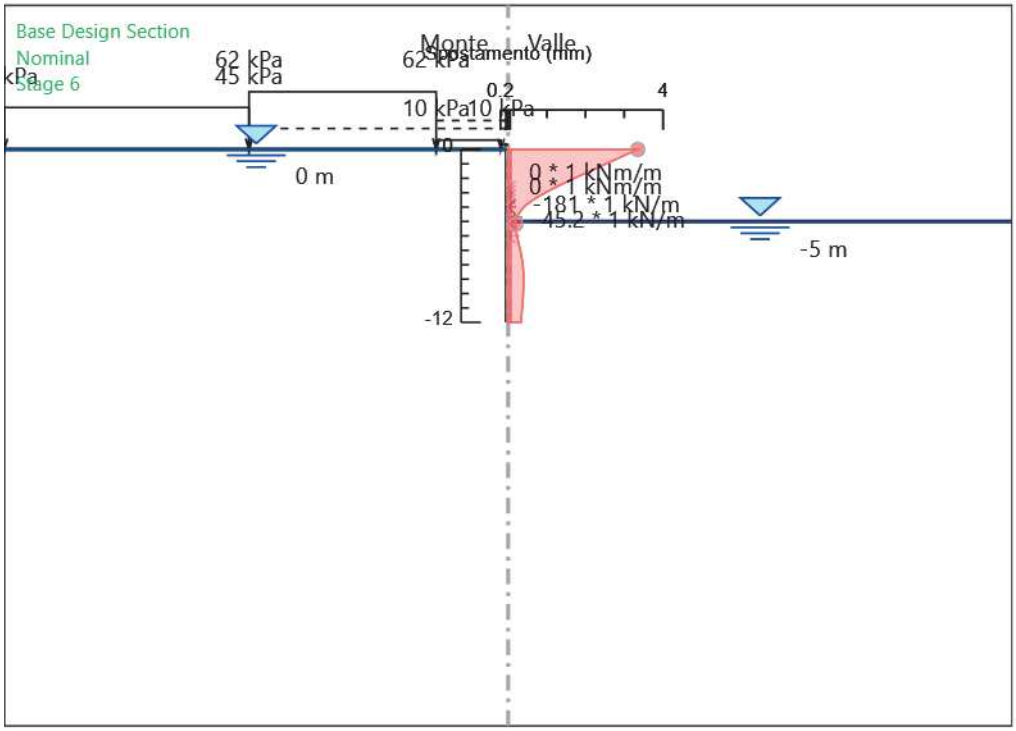
Design Assumption: Nominal
Stage: Stage 4
Spostamento

Grafico Spostamento Nominal - Stage: Stage 5



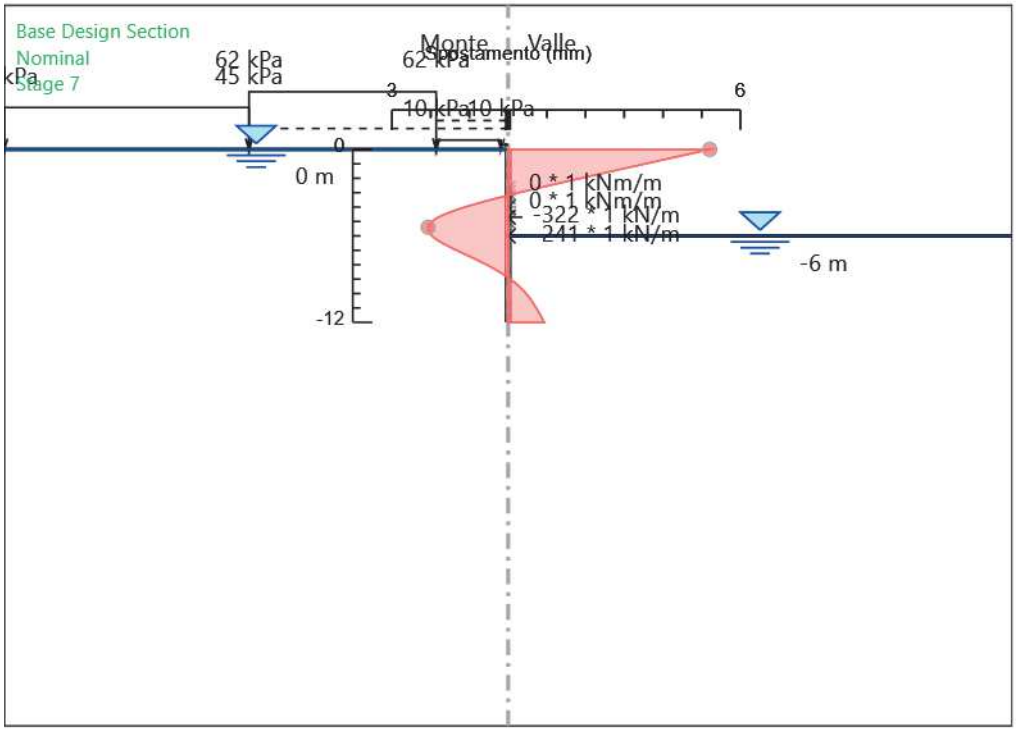
Design Assumption: Nominal
Stage: Stage 5
Spostamento

Grafico Spostamento Nominal - Stage: Stage 6



Design Assumption: Nominal
Stage: Stage 6
Spostamento

Grafico Spostamento Nominal - Stage: Stage 7



Design Assumption: Nominal
Stage: Stage 7
Spostamento

Inviluppi Spostamento Nominal

Risultati Paratia

Tabella Risultati Paratia Nominal - Stage: Stage 1

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	0	0	0
Stage 1	-0.2	0	0
Stage 1	-0.4	0	0
Stage 1	-0.6	0	0
Stage 1	-0.8	0	0
Stage 1	-1	0	0
Stage 1	-1.2	0	0
Stage 1	-1.4	0	0
Stage 1	-1.6	0	0
Stage 1	-1.8	0	0
Stage 1	-2	0	0
Stage 1	-2.2	0	0
Stage 1	-2.4	0	0
Stage 1	-2.6	0	0
Stage 1	-2.8	0	0
Stage 1	-3	0	0
Stage 1	-3.2	0	0
Stage 1	-3.4	0	0
Stage 1	-3.6	0	0
Stage 1	-3.8	0	0
Stage 1	-4	0	0
Stage 1	-4.2	0	0
Stage 1	-4.4	0	0
Stage 1	-4.6	0	0
Stage 1	-4.8	0	0
Stage 1	-5	0	0
Stage 1	-5.2	0	0
Stage 1	-5.4	0	0
Stage 1	-5.6	0	0
Stage 1	-5.8	0	0
Stage 1	-6	0	0
Stage 1	-6.2	0	0
Stage 1	-6.4	0	0
Stage 1	-6.6	0	0
Stage 1	-6.8	0	0
Stage 1	-7	0	0
Stage 1	-7.2	0	0
Stage 1	-7.4	0	0
Stage 1	-7.6	0	0
Stage 1	-7.8	0	0
Stage 1	-8	0	0
Stage 1	-8.2	0	0
Stage 1	-8.4	0	0
Stage 1	-8.6	0	0
Stage 1	-8.8	0	0
Stage 1	-9	0	0
Stage 1	-9.2	0	0
Stage 1	-9.4	0	0
Stage 1	-9.6	0	0
Stage 1	-9.8	0	0
Stage 1	-10	0	0
Stage 1	-10.2	0	0
Stage 1	-10.4	0	0
Stage 1	-10.6	0	0
Stage 1	-10.8	0	0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 1	-11	0	0
Stage 1	-11.2	0	0
Stage 1	-11.4	0	0
Stage 1	-11.6	0	0
Stage 1	-11.8	0	0
Stage 1	-12	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 2

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 2	0	0	0
Stage 2	-0.2	0	0
Stage 2	-0.2	0	0
Stage 2	-0.4	-0.1	-0.49
Stage 2	-0.6	-0.4	-1.5
Stage 2	-0.8	-1	-3.02
Stage 2	-1	-2.02	-5.07
Stage 2	-1.2	-3.55	-7.66
Stage 2	-1.4	-5.1	-7.77
Stage 2	-1.6	-6.35	-6.22
Stage 2	-1.8	-7.24	-4.48
Stage 2	-2	-7.75	-2.54
Stage 2	-2.2	-7.88	-0.67
Stage 2	-2.4	-7.73	0.77
Stage 2	-2.6	-7.36	1.85
Stage 2	-2.8	-6.84	2.61
Stage 2	-3	-6.22	3.11
Stage 2	-3.2	-5.54	3.39
Stage 2	-3.4	-4.84	3.5
Stage 2	-3.6	-4.14	3.47
Stage 2	-3.8	-3.48	3.34
Stage 2	-4	-2.85	3.12
Stage 2	-4.2	-2.28	2.84
Stage 2	-4.4	-1.78	2.53
Stage 2	-4.6	-1.34	2.2
Stage 2	-4.8	-0.96	1.88
Stage 2	-5	-0.65	1.57
Stage 2	-5.2	-0.4	1.28
Stage 2	-5.4	-0.19	1.01
Stage 2	-5.6	-0.04	0.78
Stage 2	-5.8	0.08	0.59
Stage 2	-6	0.17	0.42
Stage 2	-6.2	0.22	0.28
Stage 2	-6.4	0.26	0.17
Stage 2	-6.6	0.27	0.08
Stage 2	-6.8	0.27	0.01
Stage 2	-7	0.26	-0.04
Stage 2	-7.2	0.25	-0.08
Stage 2	-7.4	0.23	-0.11
Stage 2	-7.6	0.2	-0.12
Stage 2	-7.8	0.18	-0.13
Stage 2	-8	0.15	-0.13
Stage 2	-8.2	0.13	-0.12
Stage 2	-8.4	0.1	-0.12
Stage 2	-8.6	0.08	-0.1
Stage 2	-8.8	0.06	-0.09
Stage 2	-9	0.05	-0.08
Stage 2	-9.2	0.03	-0.07
Stage 2	-9.4	0.02	-0.06
Stage 2	-9.6	0.01	-0.04
Stage 2	-9.8	0.01	-0.03
Stage 2	-10	0	-0.02
Stage 2	-10.2	0	-0.02
Stage 2	-10.4	0	-0.01
Stage 2	-10.6	0	0
Stage 2	-10.8	0	0
Stage 2	-11	0	0
Stage 2	-11.2	0	0

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	**Z (m)**	**Momento (kN*m/m)**	**Taglio (kN/m)**
Stage 2	-11.4	0	0.01
Stage 2	-11.6	0	0.01
Stage 2	-11.8	0	0
Stage 2	-12	0	0

Tabella Risultati Paratia Nominal - Stage: Stage 3

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	0	0	0
Stage 3	-0.2	0	0
Stage 3	-0.2	0	0
Stage 3	-0.4	-0.1	-0.48
Stage 3	-0.6	-0.39	-1.45
Stage 3	-0.8	-0.97	-2.93
Stage 3	-1	-1.96	-4.93
Stage 3	-1.2	-3.45	-7.45
Stage 3	-1.4	-5.54	-10.46
Stage 3	-1.6	-8.33	-13.97
Stage 3	-1.8	-11.93	-17.98
Stage 3	-2	-16.43	-22.48
Stage 3	-2.2	-21.92	-27.47
Stage 3	-2.4	-27.94	-30.07
Stage 3	-2.6	-33.99	-30.27
Stage 3	-2.8	-39.61	-28.08
Stage 3	-3	-44.31	-23.49
Stage 3	-3.2	-48.06	-18.78
Stage 3	-3.4	-50.92	-14.29
Stage 3	-3.6	-52.92	-10.02
Stage 3	-3.8	-54.11	-5.94
Stage 3	-4	-54.52	-2.02
Stage 3	-4.2	-54.17	1.75
Stage 3	-4.4	-53.09	5.41
Stage 3	-4.6	-51.29	8.97
Stage 3	-4.8	-48.8	12.48
Stage 3	-5	-45.61	15.94
Stage 3	-5.2	-41.92	18.46
Stage 3	-5.4	-37.92	20
Stage 3	-5.6	-33.77	20.74
Stage 3	-5.8	-29.6	20.86
Stage 3	-6	-25.52	20.4
Stage 3	-6.2	-21.62	19.46
Stage 3	-6.4	-17.99	18.17
Stage 3	-6.6	-14.66	16.65
Stage 3	-6.8	-11.66	14.98
Stage 3	-7	-9.01	13.26
Stage 3	-7.2	-6.7	11.55
Stage 3	-7.4	-4.72	9.88
Stage 3	-7.6	-3.06	8.3
Stage 3	-7.8	-1.7	6.84
Stage 3	-8	-0.59	5.51
Stage 3	-8.2	0.27	4.31
Stage 3	-8.4	0.92	3.25
Stage 3	-8.6	1.39	2.34
Stage 3	-8.8	1.7	1.55
Stage 3	-9	1.87	0.89
Stage 3	-9.2	1.94	0.35
Stage 3	-9.4	1.93	-0.09
Stage 3	-9.6	1.84	-0.43
Stage 3	-9.8	1.7	-0.69
Stage 3	-10	1.53	-0.87
Stage 3	-10.2	1.33	-0.99
Stage 3	-10.4	1.12	-1.05
Stage 3	-10.6	0.91	-1.06
Stage 3	-10.8	0.71	-1.03
Stage 3	-11	0.52	-0.95
Stage 3	-11.2	0.35	-0.85

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 3	-11.4	0.2	-0.71
Stage 3	-11.6	0.09	-0.54
Stage 3	-11.8	0.03	-0.35
Stage 3	-12	0	-0.13

Tabella Risultati Paratia Nominal - Stage: Stage 4

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	0	0	0
Stage 4	-0.2	0	0
Stage 4	-0.2	0	0
Stage 4	-0.4	-0.21	-1.06
Stage 4	-0.6	-0.75	-2.68
Stage 4	-0.8	-1.72	-4.85
Stage 4	-1	-3.24	-7.6
Stage 4	-1.2	-5.42	-10.93
Stage 4	-1.4	-8.38	-14.8
Stage 4	-1.6	-12.23	-19.21
Stage 4	-1.8	-17.06	-24.16
Stage 4	-2	-22.98	-29.63
Stage 4	-2.2	-30.1	-35.61
Stage 4	-2.4	-38.52	-42.07
Stage 4	-2.6	-48.32	-49.02
Stage 4	-2.8	-55.6	-36.4
Stage 4	-3	-64.44	-44.2
Stage 4	-3.2	-60.52	19.63
Stage 4	-3.4	-57.81	13.54
Stage 4	-3.6	-55.81	10
Stage 4	-3.8	-54	9.06
Stage 4	-4	-52	10
Stage 4	-4.2	-49.76	11.18
Stage 4	-4.4	-47.28	12.42
Stage 4	-4.6	-44.53	13.73
Stage 4	-4.8	-41.51	15.12
Stage 4	-5	-38.19	16.59
Stage 4	-5.2	-34.58	18.06
Stage 4	-5.4	-30.82	18.79
Stage 4	-5.6	-27.03	18.92
Stage 4	-5.8	-23.32	18.59
Stage 4	-6	-19.75	17.84
Stage 4	-6.2	-16.4	16.73
Stage 4	-6.4	-13.33	15.37
Stage 4	-6.6	-10.55	13.86
Stage 4	-6.8	-8.1	12.28
Stage 4	-7	-5.96	10.69
Stage 4	-7.2	-4.13	9.14
Stage 4	-7.4	-2.6	7.67
Stage 4	-7.6	-1.34	6.3
Stage 4	-7.8	-0.33	5.05
Stage 4	-8	0.46	3.93
Stage 4	-8.2	1.04	2.94
Stage 4	-8.4	1.46	2.09
Stage 4	-8.6	1.74	1.36
Stage 4	-8.8	1.89	0.76
Stage 4	-9	1.94	0.26
Stage 4	-9.2	1.91	-0.13
Stage 4	-9.4	1.82	-0.44
Stage 4	-9.6	1.69	-0.67
Stage 4	-9.8	1.53	-0.83
Stage 4	-10	1.34	-0.93
Stage 4	-10.2	1.15	-0.97
Stage 4	-10.4	0.95	-0.98
Stage 4	-10.6	0.76	-0.95
Stage 4	-10.8	0.58	-0.89
Stage 4	-11	0.42	-0.81
Stage 4	-11.2	0.28	-0.7

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 4	-11.4	0.16	-0.58
Stage 4	-11.6	0.07	-0.43
Stage 4	-11.8	0.02	-0.27
Stage 4	-12	0	-0.1

Tabella Risultati Paratia Nominal - Stage: Stage 5

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5	0	0	0
Stage 5	-0.2	0	0
Stage 5	-0.2	0	0
Stage 5	-0.4	-0.11	-0.56
Stage 5	-0.6	-0.47	-1.78
Stage 5	-0.8	-1.2	-3.66
Stage 5	-1	-2.44	-6.21
Stage 5	-1.2	-4.33	-9.44
Stage 5	-1.4	-7	-13.33
Stage 5	-1.6	-10.57	-17.86
Stage 5	-1.8	-15.17	-23.03
Stage 5	-2	-20.94	-28.84
Stage 5	-2.2	-28	-35.28
Stage 5	-2.4	-36.46	-42.32
Stage 5	-2.6	-46.45	-49.96
Stage 5	-2.8	-58.09	-58.17
Stage 5	-3	-71.47	-66.92
Stage 5	-3.2	-86.7	-76.17
Stage 5	-3.4	-82.87	19.15
Stage 5	-3.6	-81.06	9.1
Stage 5	-3.8	-81.31	-1.25
Stage 5	-4	-83.68	-11.85
Stage 5	-4.2	-72.1	57.86
Stage 5	-4.4	-62.35	48.75
Stage 5	-4.6	-53.95	42.04
Stage 5	-4.8	-46.39	37.79
Stage 5	-5	-39.33	35.29
Stage 5	-5.2	-32.69	33.19
Stage 5	-5.4	-26.55	30.73
Stage 5	-5.6	-20.94	28.05
Stage 5	-5.8	-15.88	25.28
Stage 5	-6	-11.4	22.42
Stage 5	-6.2	-7.49	19.52
Stage 5	-6.4	-4.16	16.67
Stage 5	-6.6	-1.37	13.93
Stage 5	-6.8	0.9	11.36
Stage 5	-7	2.7	8.99
Stage 5	-7.2	4.07	6.85
Stage 5	-7.4	5.06	4.96
Stage 5	-7.6	5.72	3.31
Stage 5	-7.8	6.1	1.9
Stage 5	-8	6.24	0.72
Stage 5	-8.2	6.2	-0.24
Stage 5	-8.4	5.99	-1.01
Stage 5	-8.6	5.68	-1.6
Stage 5	-8.8	5.27	-2.02
Stage 5	-9	4.81	-2.31
Stage 5	-9.2	4.31	-2.49
Stage 5	-9.4	3.8	-2.56
Stage 5	-9.6	3.29	-2.55
Stage 5	-9.8	2.8	-2.47
Stage 5	-10	2.33	-2.34
Stage 5	-10.2	1.89	-2.18
Stage 5	-10.4	1.5	-1.98
Stage 5	-10.6	1.14	-1.76
Stage 5	-10.8	0.84	-1.53
Stage 5	-11	0.58	-1.29
Stage 5	-11.2	0.37	-1.05

Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 5	-11.4	0.21	-0.81
Stage 5	-11.6	0.09	-0.58
Stage 5	-11.8	0.02	-0.34
Stage 5	-12	0	-0.11

Tabella Risultati Paratia Nominal - Stage: Stage 6

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6	0	0	0
Stage 6	-0.2	0	0
Stage 6	-0.2	0	0
Stage 6	-0.4	-0.09	-0.43
Stage 6	-0.6	-0.34	-1.3
Stage 6	-0.8	-0.87	-2.62
Stage 6	-1	-1.75	-4.41
Stage 6	-1.2	-3.09	-6.67
Stage 6	-1.4	-4.96	-9.38
Stage 6	-1.6	-7.47	-12.52
Stage 6	-1.8	-10.69	-16.12
Stage 6	-2	-14.72	-20.15
Stage 6	-2.2	-19.65	-24.63
Stage 6	-2.4	-25.55	-29.54
Stage 6	-2.6	-32.53	-34.9
Stage 6	-2.8	-40.72	-40.95
Stage 6	-3	-50.27	-47.71
Stage 6	-3.2	-61.29	-55.14
Stage 6	-3.4	-73.94	-63.22
Stage 6	-3.6	-88.32	-71.9
Stage 6	-3.8	-104.54	-81.14
Stage 6	-4	-122.72	-90.87
Stage 6	-4.2	-106.72	79.99
Stage 6	-4.4	-92.85	69.37
Stage 6	-4.6	-81.18	58.33
Stage 6	-4.8	-71.79	46.95
Stage 6	-5	-64.74	35.28
Stage 6	-5.2	-51.04	68.46
Stage 6	-5.4	-39.47	57.86
Stage 6	-5.6	-29.7	48.84
Stage 6	-5.8	-21.39	41.55
Stage 6	-6	-14.18	36.09
Stage 6	-6.2	-8.01	30.85
Stage 6	-6.4	-2.83	25.88
Stage 6	-6.6	1.42	21.25
Stage 6	-6.8	4.82	17
Stage 6	-7	7.45	13.17
Stage 6	-7.2	9.41	9.76
Stage 6	-7.4	10.76	6.77
Stage 6	-7.6	11.6	4.2
Stage 6	-7.8	12.01	2.02
Stage 6	-8	12.05	0.21
Stage 6	-8.2	11.79	-1.27
Stage 6	-8.4	11.31	-2.43
Stage 6	-8.6	10.64	-3.31
Stage 6	-8.8	9.85	-3.95
Stage 6	-9	8.98	-4.38
Stage 6	-9.2	8.05	-4.63
Stage 6	-9.4	7.11	-4.72
Stage 6	-9.6	6.17	-4.68
Stage 6	-9.8	5.27	-4.54
Stage 6	-10	4.4	-4.31
Stage 6	-10.2	3.6	-4.02
Stage 6	-10.4	2.86	-3.68
Stage 6	-10.6	2.2	-3.3
Stage 6	-10.8	1.63	-2.89
Stage 6	-11	1.13	-2.47
Stage 6	-11.2	0.73	-2.03

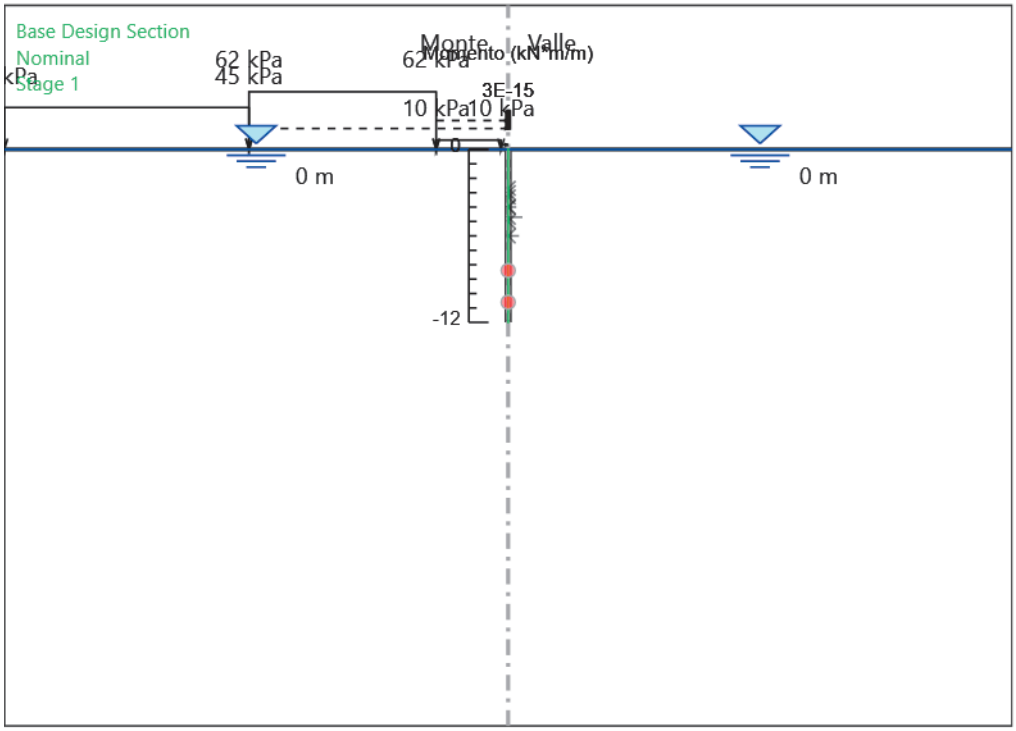
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 6	-11.4	0.41	-1.58
Stage 6	-11.6	0.18	-1.14
Stage 6	-11.8	0.05	-0.68
Stage 6	-12	0	-0.23

Tabella Risultati Paratia Nominal - Stage: Stage 7

Design Assumption: Nominal	Risultati Paratia	Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 7	0	0	0
Stage 7	-0.2	0	0
Stage 7	-0.2	0	0
Stage 7	-0.4	-0.08	-0.41
Stage 7	-0.6	-0.33	-1.25
Stage 7	-0.8	-0.84	-2.53
Stage 7	-1	-1.69	-4.25
Stage 7	-1.2	-2.97	-6.42
Stage 7	-1.4	-4.78	-9.03
Stage 7	-1.6	-7.19	-12.05
Stage 7	-1.8	-10.29	-15.51
Stage 7	-2	-14.17	-19.39
Stage 7	-2.2	-18.9	-23.69
Stage 7	-2.4	-24.6	-28.48
Stage 7	-2.6	-31.62	-35.1
Stage 7	-2.8	-40.38	-43.82
Stage 7	-3	-51.15	-53.85
Stage 7	-3.2	-64.15	-65
Stage 7	-3.4	-79.6	-77.24
Stage 7	-3.6	-97.71	-90.56
Stage 7	-3.8	-118.7	-104.91
Stage 7	-4	-142.75	-120.28
Stage 7	-4.2	-170.07	-136.59
Stage 7	-4.4	-200.84	-153.85
Stage 7	-4.6	-235.24	-172
Stage 7	-4.8	-273.43	-190.97
Stage 7	-5	-251.17	111.32
Stage 7	-5.2	-232.98	90.94
Stage 7	-5.4	-219.04	69.72
Stage 7	-5.6	-209.48	47.8
Stage 7	-5.8	-204.42	25.3
Stage 7	-6	-203.95	2.33
Stage 7	-6.2	-159.95	220
Stage 7	-6.4	-120.55	197
Stage 7	-6.6	-85.67	174.43
Stage 7	-6.8	-55.2	152.33
Stage 7	-7	-29.05	130.76
Stage 7	-7.2	-6.83	111.11
Stage 7	-7.4	11.74	92.86
Stage 7	-7.6	26.94	76
Stage 7	-7.8	39.05	60.53
Stage 7	-8	48.33	46.4
Stage 7	-8.2	55.04	33.56
Stage 7	-8.4	59.43	21.97
Stage 7	-8.6	61.75	11.56
Stage 7	-8.8	62.19	2.25
Stage 7	-9	60.99	-6.02
Stage 7	-9.2	58.41	-12.88
Stage 7	-9.4	54.74	-18.35
Stage 7	-9.6	50.24	-22.53
Stage 7	-9.8	45.13	-25.55
Stage 7	-10	39.63	-27.5
Stage 7	-10.2	33.93	-28.47
Stage 7	-10.4	28.22	-28.55
Stage 7	-10.6	22.66	-27.8
Stage 7	-10.8	17.41	-26.27
Stage 7	-11	12.6	-24.02
Stage 7	-11.2	8.39	-21.08

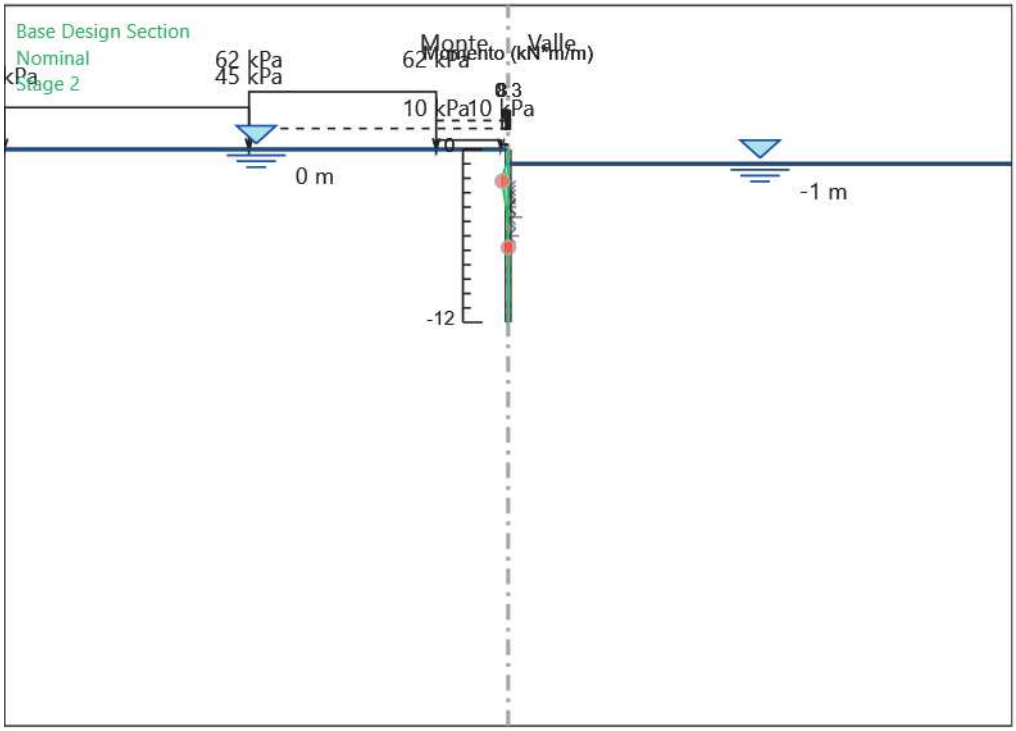
Design Assumption: Nominal Risultati Paratia		Muro: LEFT	
Stage	Z (m)	Momento (kN*m/m)	Taglio (kN/m)
Stage 7	-11.4	4.89	-17.47
Stage 7	-11.6	2.25	-13.22
Stage 7	-11.8	0.58	-8.33
Stage 7	-12	0	-2.92

Grafico Momento Nominal - Stage: Stage 1



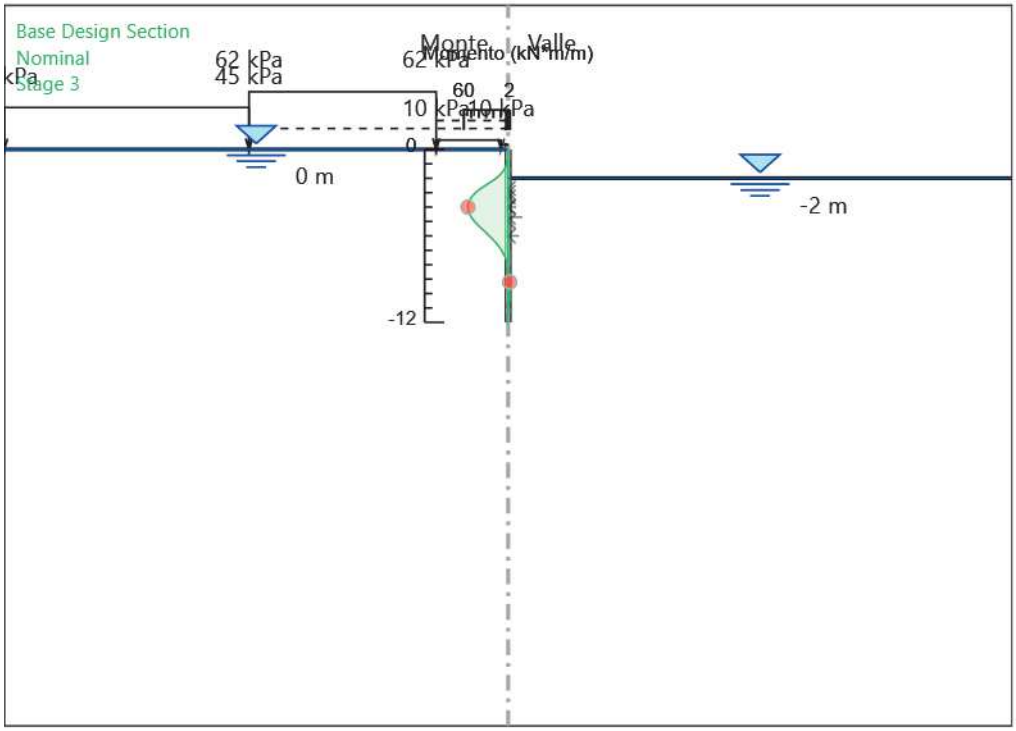
Design Assumption: Nominal
Stage: Stage 1
Momento

Grafico Momento Nominal - Stage: Stage 2



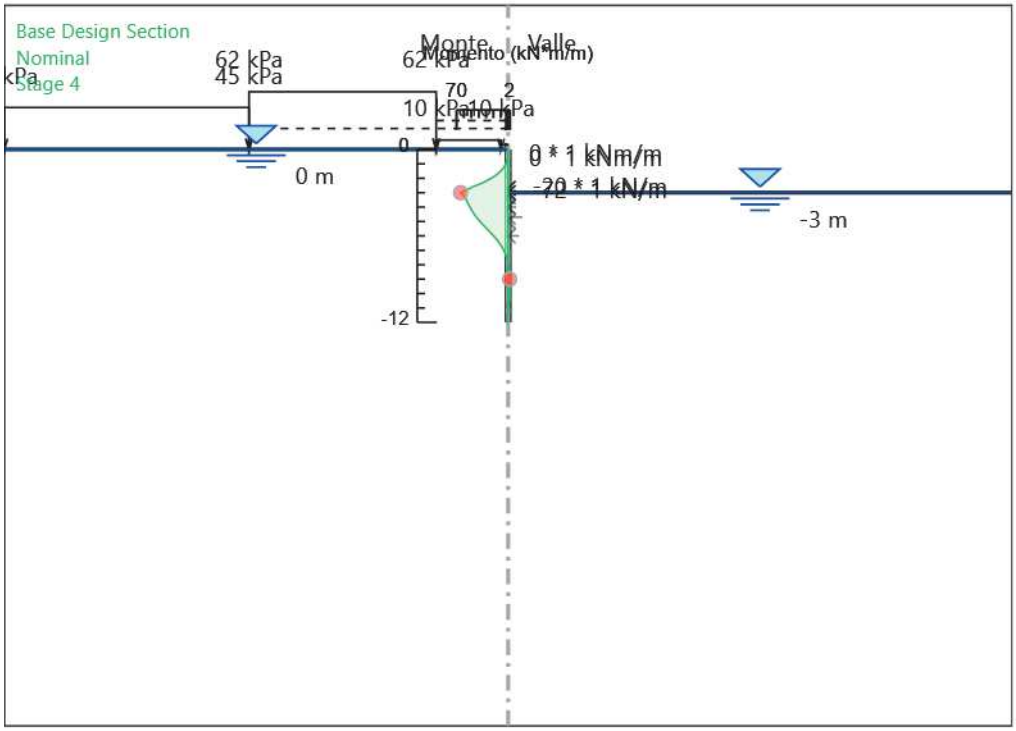
Design Assumption: Nominal
Stage: Stage 2
Momento

Grafico Momento Nominal - Stage: Stage 3



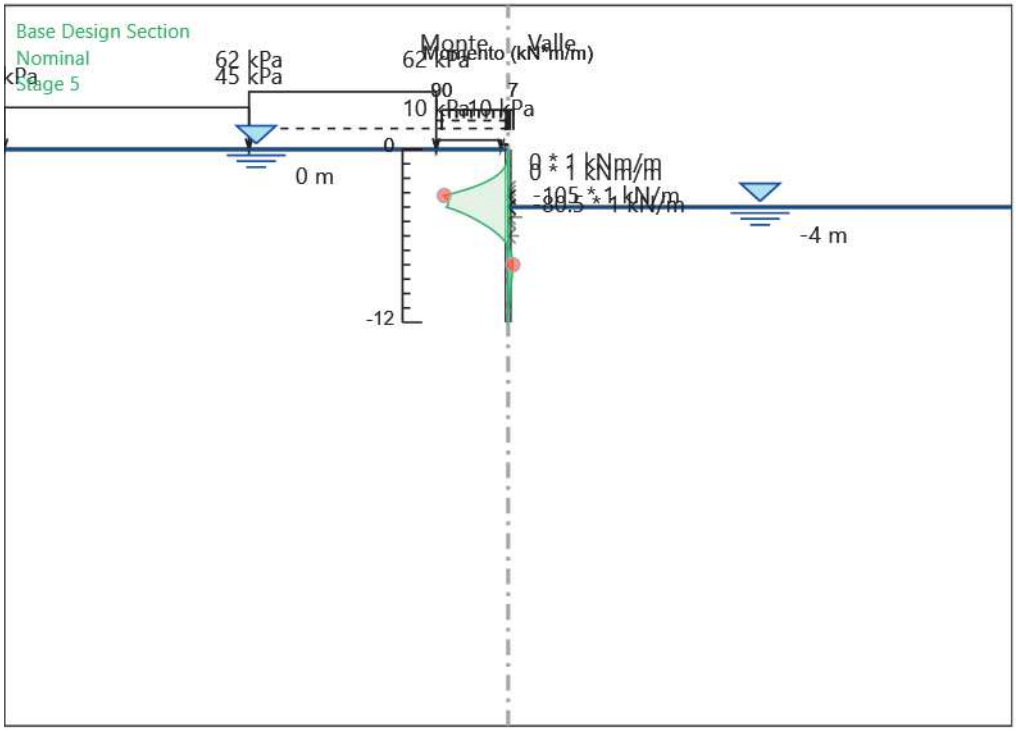
Design Assumption: Nominal
Stage: Stage 3
Momento

Grafico Momento Nominal - Stage: Stage 4



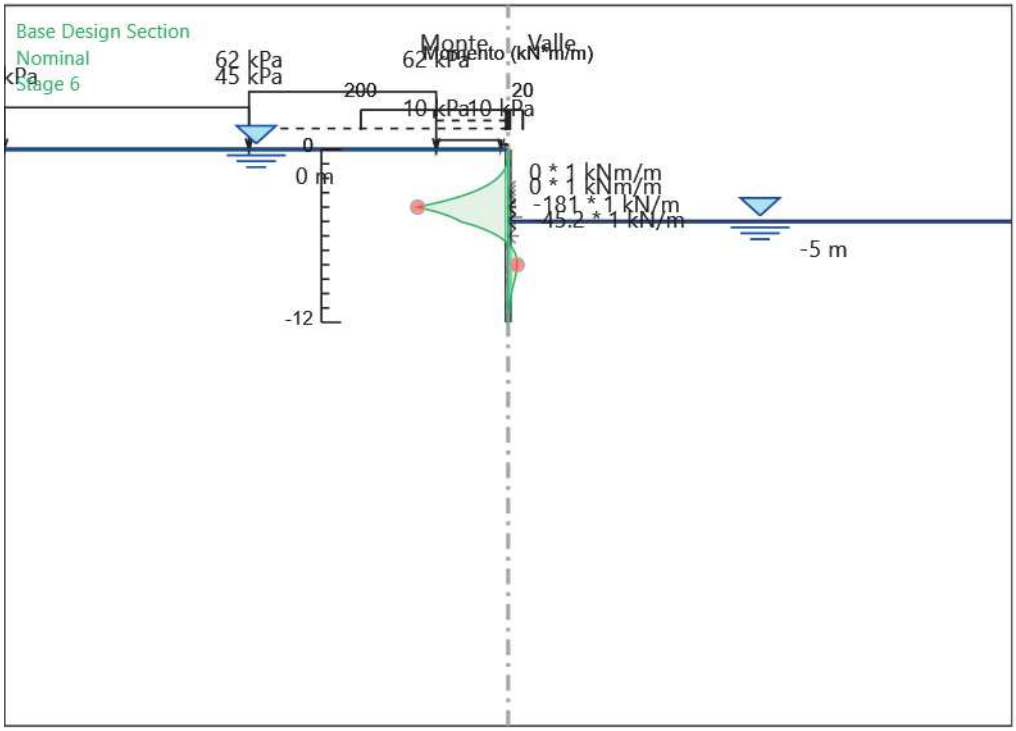
Design Assumption: Nominal
Stage: Stage 4
Momento

Grafico Momento Nominal - Stage: Stage 5



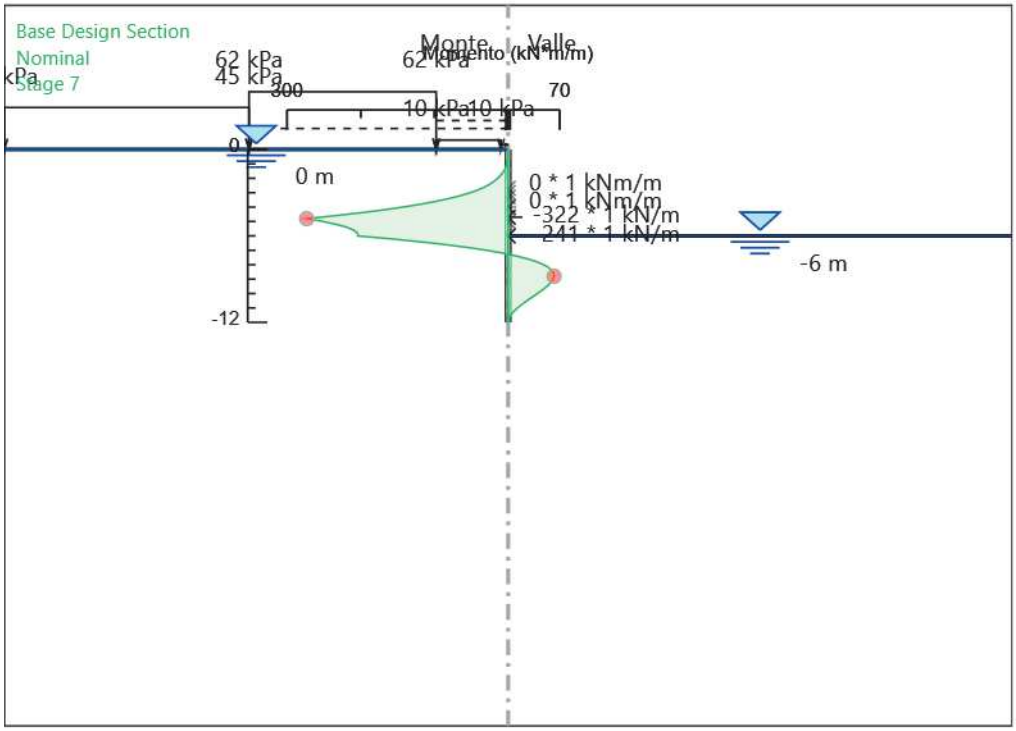
Design Assumption: Nominal
Stage: Stage 5
Momento

Grafico Momento Nominal - Stage: Stage 6



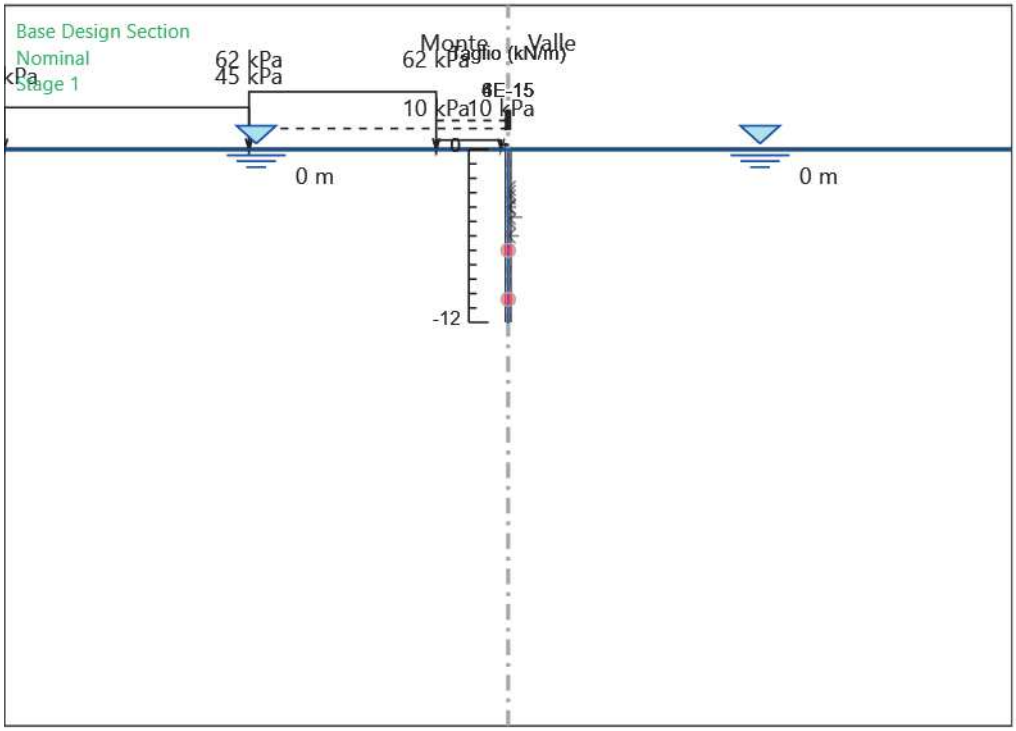
Design Assumption: Nominal
Stage: Stage 6
Momento

Grafico Momento Nominal - Stage: Stage 7



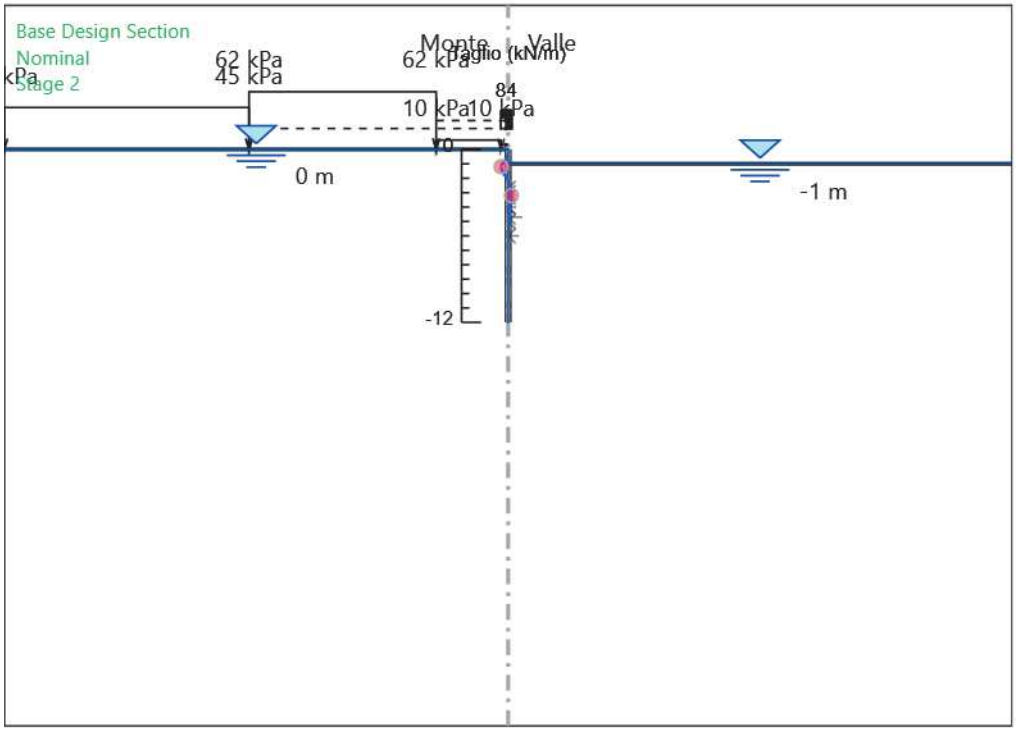
Design Assumption: Nominal
Stage: Stage 7
Momento

Grafico Taglio Nominal - Stage: Stage 1



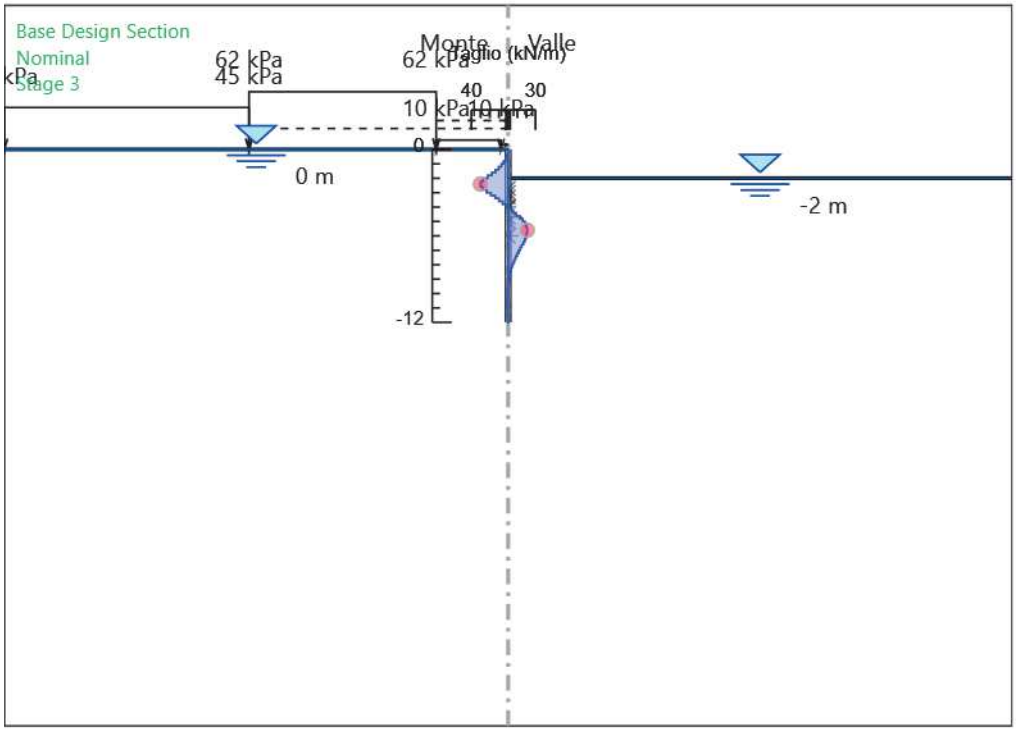
Design Assumption: Nominal
Stage: Stage 1
Taglio

Grafico Taglio Nominal - Stage: Stage 2



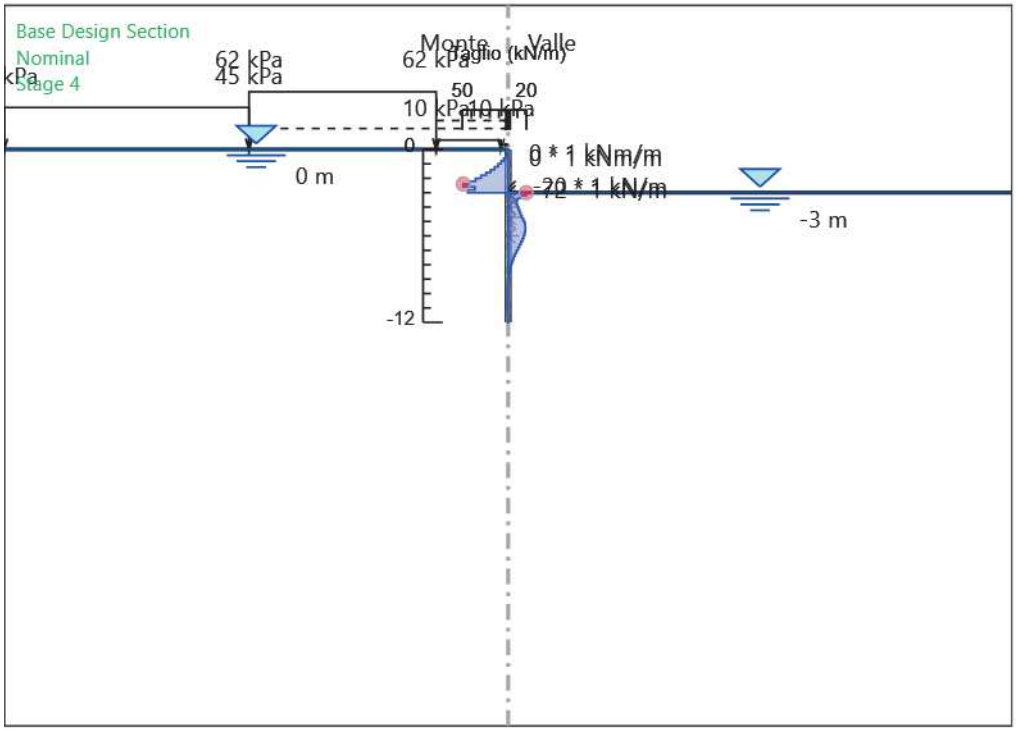
Design Assumption: Nominal
Stage: Stage 2
Taglio

Grafico Taglio Nominal - Stage: Stage 3



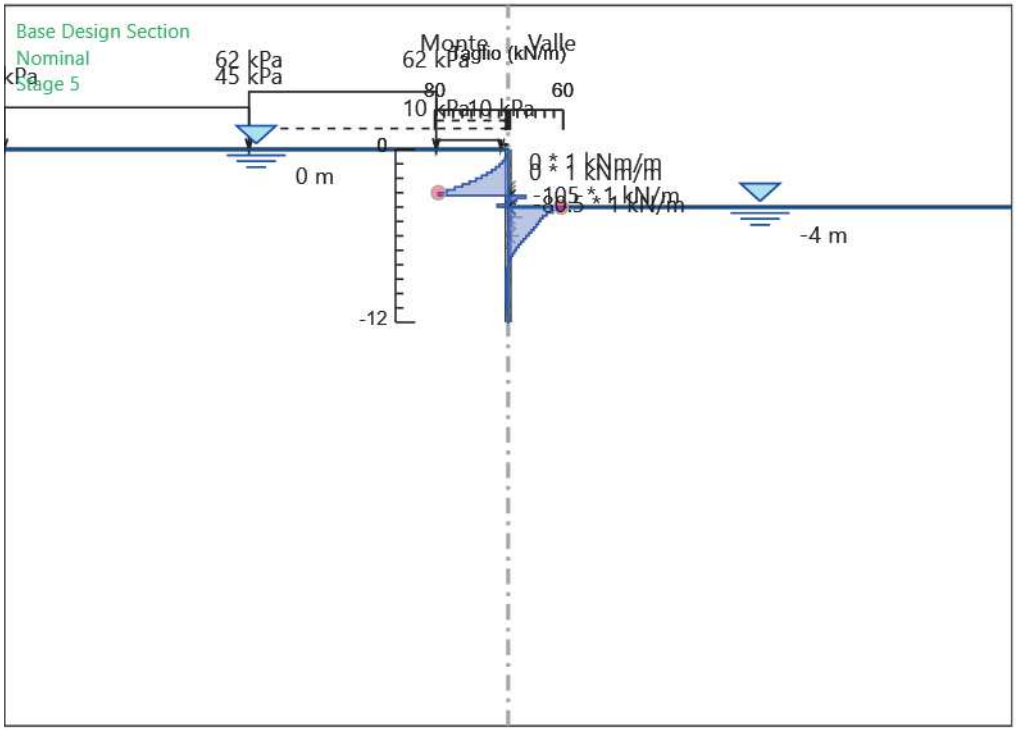
Design Assumption: Nominal
Stage: Stage 3
Taglio

Grafico Taglio Nominal - Stage: Stage 4



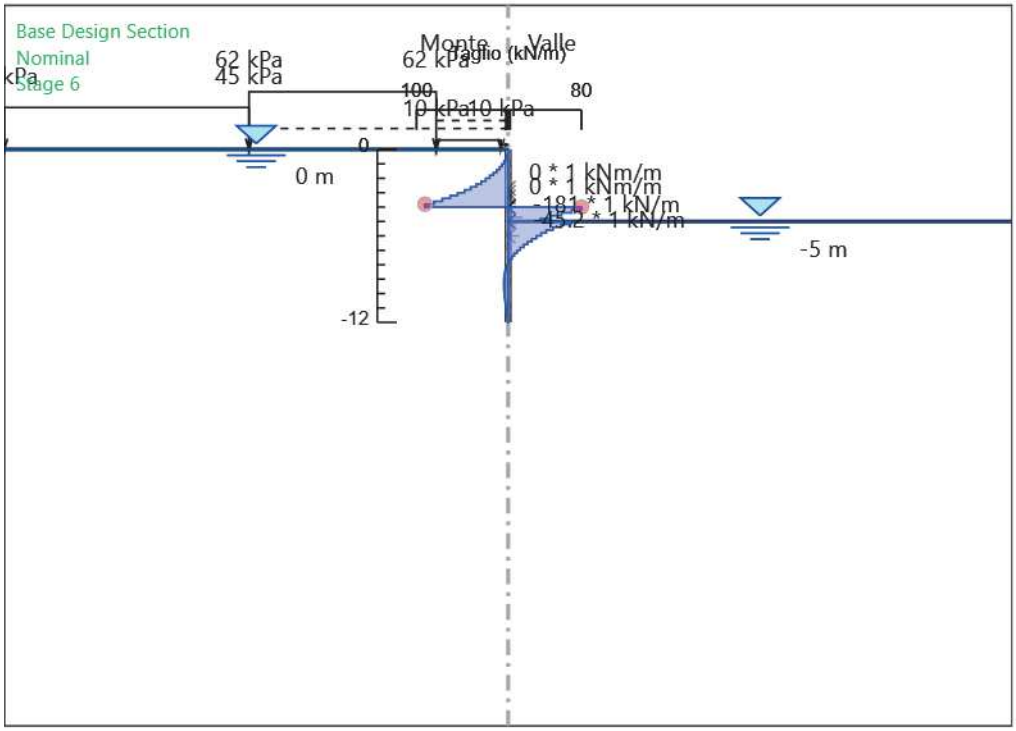
Design Assumption: Nominal
Stage: Stage 4
Taglio

Grafico Taglio Nominal - Stage: Stage 5



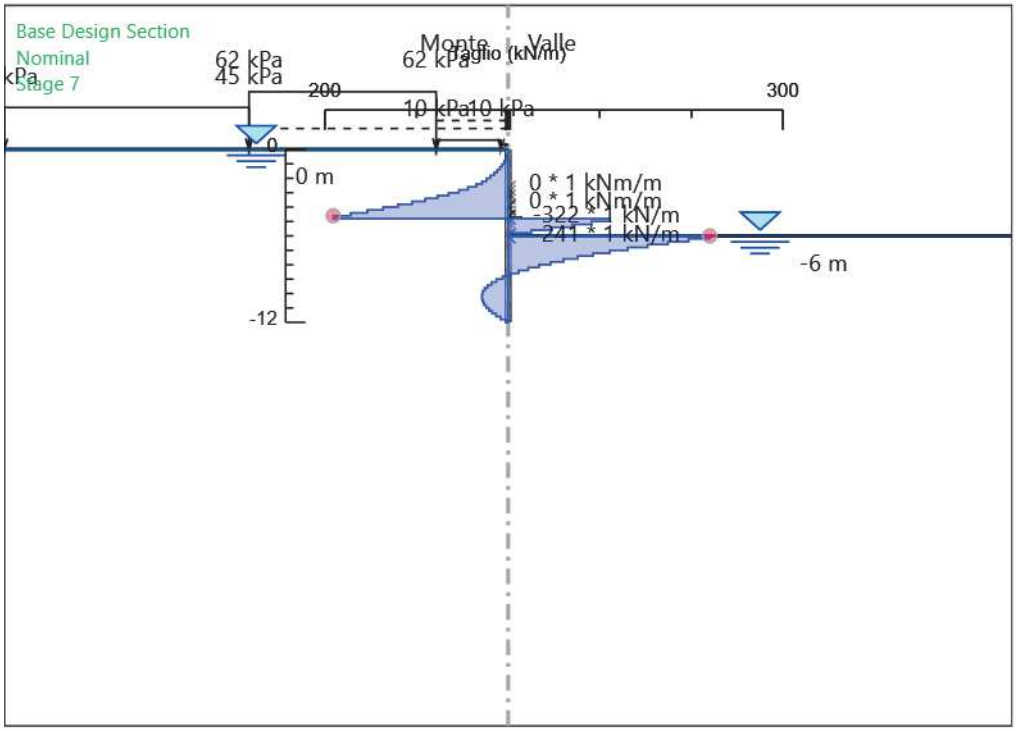
Design Assumption: Nominal
Stage: Stage 5
Taglio

Grafico Taglio Nominal - Stage: Stage 6



Design Assumption: Nominal
Stage: Stage 6
Taglio

Grafico Taglio Nominal - Stage: Stage 7



Design Assumption: Nominal
Stage: Stage 7
Taglio

Inviluppi Risultati Paratia Nominal

Risultati Terreno

Tabella Risultati Terreno Left Wall - Nominal - Stage 1

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)		Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2.114	4.348	V-C	0.249	6.738	0	2	0	0	6.348
Stage 1	-0.4	4.601	7.77	V-C	0.249	6.738	0	4	0	0	11.77
Stage 1	-0.6	7.242	10.437	V-C	0.249	6.738	0	6	0	0	16.437
Stage 1	-0.8	10.188	12.726	V-C	0.249	6.738	0	8	0	0	20.726
Stage 1	-1	13.135	14.83	V-C	0.249	6.738	0	10	0	0	24.83
Stage 1	-1.2	15.661	16.828	V-C	0.249	6.738	0	12	0	0	28.828
Stage 1	-1.4	18.101	18.75	V-C	0.249	6.738	0	14	0	0	32.75
Stage 1	-1.6	20.633	20.608	V-C	0.249	6.738	0	16	0	0	36.608
Stage 1	-1.8	22.984	22.407	V-C	0.249	6.738	0	18	0	0	40.407
Stage 1	-2	25.438	24.149	V-C	0.249	6.738	0	20	0	0	44.149
Stage 1	-2.2	27.771	25.833	V-C	0.249	6.738	0	22	0	0	47.833
Stage 1	-2.4	30.202	27.462	V-C	0.249	6.738	0	24	0	0	51.462
Stage 1	-2.6	32.543	29.035	V-C	0.249	6.738	0	26	0	0	55.035
Stage 1	-2.8	34.975	30.555	V-C	0.249	6.738	0	28	0	0	58.555
Stage 1	-3	37.333	32.023	V-C	0.249	6.738	0	30	0	0	62.023
Stage 1	-3.2	39.772	33.441	V-C	0.249	6.738	0	32	0	0	65.441
Stage 1	-3.4	42.148	34.812	V-C	0.249	6.738	0	34	0	0	68.812
Stage 1	-3.6	44.534	36.137	V-C	0.249	6.738	0	36	0	0	72.137
Stage 1	-3.8	46.986	37.42	V-C	0.249	6.738	0	38	0	0	75.42
Stage 1	-4	49.382	38.663	V-C	0.249	6.738	0	40	0	0	78.663
Stage 1	-4.2	51.837	39.87	V-C	0.249	6.738	0	42	0	0	81.87
Stage 1	-4.4	54.239	41.041	V-C	0.249	6.738	0	44	0	0	85.041
Stage 1	-4.6	56.691	42.181	V-C	0.249	6.738	0	46	0	0	88.181
Stage 1	-4.8	59.093	43.291	V-C	0.249	6.738	0	48	0	0	91.291
Stage 1	-5	61.495	44.374	V-C	0.249	6.738	0	50	0	0	94.374
Stage 1	-5.2	63.719	45.433	V-C	0.249	6.738	0	52	0	0	97.433
Stage 1	-5.4	65.95	46.468	V-C	0.249	6.738	0	54	0	0	100.468
Stage 1	-5.6	68.186	47.483	V-C	0.249	6.738	0	56	0	0	103.483
Stage 1	-5.8	70.425	48.479	V-C	0.249	6.738	0	58	0	0	106.479
Stage 1	-6	72.666	49.458	V-C	0.249	6.738	0	60	0	0	109.458
Stage 1	-6.2	74.907	50.421	V-C	0.249	6.738	0	62	0	0	112.421
Stage 1	-6.4	77.149	51.37	V-C	0.249	6.738	0	64	0	0	115.37
Stage 1	-6.6	79.628	52.306	V-C	0.249	6.738	0	66	0	0	118.306
Stage 1	-6.8	82.01	53.23	V-C	0.249	6.738	0	68	0	0	121.23
Stage 1	-7	84.951	54.144	V-C	0.249	6.738	0	70	0	0	124.144
Stage 1	-7.2	87.295	55.049	V-C	0.249	6.738	0	72	0	0	127.049
Stage 1	-7.4	90.17	55.945	V-C	0.249	6.738	0	74	0	0	129.945
Stage 1	-7.6	92.482	56.834	V-C	0.249	6.738	0	76	0	0	132.834
Stage 1	-7.8	95.3	57.715	V-C	0.249	6.738	0	78	0	0	135.715
Stage 1	-8	98.084	58.591	V-C	0.249	6.738	0	80	0	0	138.591
Stage 1	-8.2	100.351	59.461	V-C	0.249	6.738	0	82	0	0	141.461
Stage 1	-8.4	103.087	60.327	V-C	0.249	6.738	0	84	0	0	144.327
Stage 1	-8.6	105.332	61.188	V-C	0.249	6.738	0	86	0	0	147.188
Stage 1	-8.8	108.026	62.045	V-C	0.249	6.738	0	88	0	0	150.045
Stage 1	-9	110.252	62.899	V-C	0.249	6.738	0	90	0	0	152.899
Stage 1	-9.2	112.909	63.751	V-C	0.249	6.738	0	92	0	0	155.751
Stage 1	-9.4	115.117	64.6	V-C	0.249	6.738	0	94	0	0	158.6
Stage 1	-9.6	117.74	65.446	V-C	0.249	6.738	0	96	0	0	161.446
Stage 1	-9.8	119.934	66.291	V-C	0.249	6.738	0	98	0	0	164.291
Stage 1	-10	122.526	67.135	V-C	0.249	6.738	0	100	0	0	167.135
Stage 1	-10.2	124.706	67.977	V-C	0.249	6.738	0	102	0	0	169.977
Stage 1	-10.4	127.27	68.818	V-C	0.249	6.738	0	104	0	0	172.818
Stage 1	-10.6	129.817	69.659	V-C	0.249	6.738	0	106	0	0	175.659
Stage 1	-10.8	131.977	70.499	V-C	0.249	6.738	0	108	0	0	178.499

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 1	-11	134.5	71.339	V-C	0.249	6.738	0	110	0	0	181.338
Stage 1	-11.2	136.651	72.178	V-C	0.249	6.738	0	112	0	0	184.178
Stage 1	-11.4	139.152	73.017	V-C	0.249	6.738	0	114	0	0	187.017
Stage 1	-11.6	141.293	73.857	V-C	0.249	6.738	0	116	0	0	189.857
Stage 1	-11.8	143.774	74.697	V-C	0.249	6.738	0	118	0	0	192.696
Stage 1	-12	145.908	75.537	V-C	0.249	6.738	0	120	0	0	195.537

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente U* (kPa)		Peq (kPa)
Stage 1	0	0	0	V-C	0.249	6.738	0	0	0	0	0
Stage 1	-0.2	2	4.348	V-C	0.249	6.738	0	2	0	0	6.348
Stage 1	-0.4	4	7.77	V-C	0.249	6.738	0	4	0	0	11.77
Stage 1	-0.6	6	10.437	V-C	0.249	6.738	0	6	0	0	16.437
Stage 1	-0.8	8	12.726	V-C	0.249	6.738	0	8	0	0	20.726
Stage 1	-1	10	14.83	V-C	0.249	6.738	0	10	0	0	24.83
Stage 1	-1.2	12	16.828	V-C	0.249	6.738	0	12	0	0	28.828
Stage 1	-1.4	14	18.75	V-C	0.249	6.738	0	14	0	0	32.75
Stage 1	-1.6	16	20.608	V-C	0.249	6.738	0	16	0	0	36.608
Stage 1	-1.8	18	22.407	V-C	0.249	6.738	0	18	0	0	40.407
Stage 1	-2	20	24.149	V-C	0.249	6.738	0	20	0	0	44.149
Stage 1	-2.2	22	25.833	V-C	0.249	6.738	0	22	0	0	47.833
Stage 1	-2.4	24	27.462	V-C	0.249	6.738	0	24	0	0	51.462
Stage 1	-2.6	26	29.035	V-C	0.249	6.738	0	26	0	0	55.035
Stage 1	-2.8	28	30.555	V-C	0.249	6.738	0	28	0	0	58.555
Stage 1	-3	30	32.023	V-C	0.249	6.738	0	30	0	0	62.023
Stage 1	-3.2	32	33.441	V-C	0.249	6.738	0	32	0	0	65.441
Stage 1	-3.4	34	34.812	V-C	0.249	6.738	0	34	0	0	68.812
Stage 1	-3.6	36	36.137	V-C	0.249	6.738	0	36	0	0	72.137
Stage 1	-3.8	38	37.42	V-C	0.249	6.738	0	38	0	0	75.42
Stage 1	-4	40	38.663	V-C	0.249	6.738	0	40	0	0	78.663
Stage 1	-4.2	42	39.87	V-C	0.249	6.738	0	42	0	0	81.87
Stage 1	-4.4	44	41.041	V-C	0.249	6.738	0	44	0	0	85.041
Stage 1	-4.6	46	42.181	V-C	0.249	6.738	0	46	0	0	88.181
Stage 1	-4.8	48	43.291	V-C	0.249	6.738	0	48	0	0	91.291
Stage 1	-5	50	44.374	V-C	0.249	6.738	0	50	0	0	94.374
Stage 1	-5.2	52	45.433	V-C	0.249	6.738	0	52	0	0	97.433
Stage 1	-5.4	54	46.468	V-C	0.249	6.738	0	54	0	0	100.468
Stage 1	-5.6	56	47.483	V-C	0.249	6.738	0	56	0	0	103.483
Stage 1	-5.8	58	48.479	V-C	0.249	6.738	0	58	0	0	106.479
Stage 1	-6	60	49.458	V-C	0.249	6.738	0	60	0	0	109.458
Stage 1	-6.2	62	50.421	V-C	0.249	6.738	0	62	0	0	112.421
Stage 1	-6.4	64	51.37	V-C	0.249	6.738	0	64	0	0	115.37
Stage 1	-6.6	66	52.306	V-C	0.249	6.738	0	66	0	0	118.306
Stage 1	-6.8	68	53.23	V-C	0.249	6.738	0	68	0	0	121.23
Stage 1	-7	70	54.144	V-C	0.249	6.738	0	70	0	0	124.144
Stage 1	-7.2	72	55.049	V-C	0.249	6.738	0	72	0	0	127.049
Stage 1	-7.4	74	55.945	V-C	0.249	6.738	0	74	0	0	129.945
Stage 1	-7.6	76	56.834	V-C	0.249	6.738	0	76	0	0	132.834
Stage 1	-7.8	78	57.715	V-C	0.249	6.738	0	78	0	0	135.715
Stage 1	-8	80	58.591	V-C	0.249	6.738	0	80	0	0	138.591
Stage 1	-8.2	82	59.461	V-C	0.249	6.738	0	82	0	0	141.461
Stage 1	-8.4	84	60.327	V-C	0.249	6.738	0	84	0	0	144.327
Stage 1	-8.6	86	61.188	V-C	0.249	6.738	0	86	0	0	147.188
Stage 1	-8.8	88	62.045	V-C	0.249	6.738	0	88	0	0	150.045
Stage 1	-9	90	62.899	V-C	0.249	6.738	0	90	0	0	152.899
Stage 1	-9.2	92	63.751	V-C	0.249	6.738	0	92	0	0	155.751
Stage 1	-9.4	94	64.6	V-C	0.249	6.738	0	94	0	0	158.6
Stage 1	-9.6	96	65.446	V-C	0.249	6.738	0	96	0	0	161.446
Stage 1	-9.8	98	66.291	V-C	0.249	6.738	0	98	0	0	164.291
Stage 1	-10	100	67.135	V-C	0.249	6.738	0	100	0	0	167.135
Stage 1	-10.2	102	67.977	V-C	0.249	6.738	0	102	0	0	169.977
Stage 1	-10.4	104	68.818	V-C	0.249	6.738	0	104	0	0	172.818
Stage 1	-10.6	106	69.659	V-C	0.249	6.738	0	106	0	0	175.659
Stage 1	-10.8	108	70.499	V-C	0.249	6.738	0	108	0	0	178.499
Stage 1	-11	110	71.339	V-C	0.249	6.738	0	110	0	0	181.338
Stage 1	-11.2	112	72.178	V-C	0.249	6.738	0	112	0	0	184.178
Stage 1	-11.4	114	73.017	V-C	0.249	6.738	0	114	0	0	187.017
Stage 1	-11.6	116	73.857	V-C	0.249	6.738	0	116	0	0	189.857
Stage 1	-11.8	118	74.697	V-C	0.249	6.738	0	118	0	0	192.696
Stage 1	-12	120	75.537	V-C	0.249	6.738	0	120	0	0	195.537

Tabella Risultati Terreno Left Wall - Nominal - Stage 2

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 2	-0.2	2.201	0.548	ACTIVE	0.249	6.738	0	1.913	0.043	0	2.461
Stage 2	-0.4	4.775	1.189	ACTIVE	0.249	6.738	0	3.826	0.043	0	5.015
Stage 2	-0.6	7.503	1.868	ACTIVE	0.249	6.738	0	5.739	0.043	0	7.607
Stage 2	-0.8	10.536	2.623	ACTIVE	0.249	6.738	0	7.652	0.043	0	10.276
Stage 2	-1	13.57	3.379	ACTIVE	0.249	6.738	0	9.565	0.043	0	12.944
Stage 2	-1.2	16.183	4.029	ACTIVE	0.249	6.738	0	11.478	0.043	0	15.508
Stage 2	-1.4	18.71	4.659	ACTIVE	0.249	6.738	0	13.391	0.043	0	18.05
Stage 2	-1.6	21.328	5.311	ACTIVE	0.249	6.738	0	15.304	0.043	0	20.615
Stage 2	-1.8	23.767	5.918	ACTIVE	0.249	6.738	0	17.217	0.043	0	23.135
Stage 2	-2	26.308	7.854	UL-RL	0.249	6.738	0	19.13	0.043	0	26.985
Stage 2	-2.2	28.727	11.519	UL-RL	0.249	6.738	0	21.043	0.043	0	32.563
Stage 2	-2.4	31.246	14.891	UL-RL	0.249	6.738	0	22.957	0.043	0	37.847
Stage 2	-2.6	33.673	17.975	UL-RL	0.249	6.738	0	24.87	0.043	0	42.844
Stage 2	-2.8	36.192	20.783	UL-RL	0.249	6.738	0	26.783	0.043	0	47.566
Stage 2	-3	38.637	23.333	UL-RL	0.249	6.738	0	28.696	0.043	0	52.029
Stage 2	-3.2	41.164	25.646	UL-RL	0.249	6.738	0	30.609	0.043	0	56.254
Stage 2	-3.4	43.627	27.743	UL-RL	0.249	6.738	0	32.522	0.043	0	60.265
Stage 2	-3.6	46.099	29.649	UL-RL	0.249	6.738	0	34.435	0.043	0	64.084
Stage 2	-3.8	48.638	31.387	UL-RL	0.249	6.738	0	36.348	0.043	0	67.735
Stage 2	-4	51.121	32.98	UL-RL	0.249	6.738	0	38.261	0.043	0	71.241
Stage 2	-4.2	53.663	34.449	UL-RL	0.249	6.738	0	40.174	0.043	0	74.623
Stage 2	-4.4	56.152	35.814	UL-RL	0.249	6.738	0	42.087	0.043	0	77.901
Stage 2	-4.6	58.691	37.094	UL-RL	0.249	6.738	0	44	0.043	0	81.094
Stage 2	-4.8	61.18	38.303	UL-RL	0.249	6.738	0	45.913	0.043	0	84.216
Stage 2	-5	63.668	39.455	UL-RL	0.249	6.738	0	47.826	0.043	0	87.281
Stage 2	-5.2	65.98	40.563	UL-RL	0.249	6.738	0	49.739	0.043	0	90.302
Stage 2	-5.4	68.298	41.635	UL-RL	0.249	6.738	0	51.652	0.043	0	93.287
Stage 2	-5.6	70.621	42.681	UL-RL	0.249	6.738	0	53.565	0.043	0	96.246
Stage 2	-5.8	72.947	43.707	UL-RL	0.249	6.738	0	55.478	0.043	0	99.185
Stage 2	-6	75.275	44.717	UL-RL	0.249	6.738	0	57.391	0.043	0	102.109
Stage 2	-6.2	77.603	45.717	UL-RL	0.249	6.738	0	59.304	0.043	0	105.022
Stage 2	-6.4	79.931	46.71	UL-RL	0.249	6.738	0	61.217	0.043	0	107.927
Stage 2	-6.6	82.498	47.697	UL-RL	0.249	6.738	0	63.13	0.043	0	110.827
Stage 2	-6.8	84.966	48.681	UL-RL	0.249	6.738	0	65.043	0.043	0	113.724
Stage 2	-7	87.995	49.662	UL-RL	0.249	6.738	0	66.956	0.043	0	116.619
Stage 2	-7.2	90.425	50.642	UL-RL	0.249	6.738	0	68.87	0.043	0	119.512
Stage 2	-7.4	93.388	51.621	UL-RL	0.249	6.738	0	70.783	0.043	0	122.404
Stage 2	-7.6	95.787	52.6	UL-RL	0.249	6.738	0	72.696	0.043	0	125.295
Stage 2	-7.8	98.691	53.577	UL-RL	0.249	6.738	0	74.609	0.043	0	128.186
Stage 2	-8	101.562	54.554	UL-RL	0.249	6.738	0	76.522	0.043	0	131.076
Stage 2	-8.2	103.916	55.53	UL-RL	0.249	6.738	0	78.435	0.043	0	133.965
Stage 2	-8.4	106.74	56.505	UL-RL	0.249	6.738	0	80.348	0.043	0	136.853
Stage 2	-8.6	109.071	57.479	UL-RL	0.249	6.738	0	82.261	0.043	0	139.74
Stage 2	-8.8	111.852	58.452	UL-RL	0.249	6.738	0	84.174	0.043	0	142.626
Stage 2	-9	114.165	59.423	UL-RL	0.249	6.738	0	86.087	0.043	0	145.51
Stage 2	-9.2	116.909	60.393	UL-RL	0.249	6.738	0	88	0.043	0	148.393
Stage 2	-9.4	119.204	61.361	UL-RL	0.249	6.738	0	89.913	0.043	0	151.274
Stage 2	-9.6	121.914	62.328	UL-RL	0.249	6.738	0	91.826	0.043	0	154.154
Stage 2	-9.8	124.194	63.294	UL-RL	0.249	6.738	0	93.739	0.043	0	157.033
Stage 2	-10	126.873	64.258	UL-RL	0.249	6.738	0	95.652	0.043	0	159.91
Stage 2	-10.2	129.141	65.222	UL-RL	0.249	6.738	0	97.565	0.043	0	162.787
Stage 2	-10.4	131.792	66.184	UL-RL	0.249	6.738	0	99.478	0.043	0	165.662
Stage 2	-10.6	134.426	67.145	UL-RL	0.249	6.738	0	101.391	0.043	0	168.536
Stage 2	-10.8	136.673	68.106	UL-RL	0.249	6.738	0	103.304	0.043	0	171.41
Stage 2	-11	139.283	69.066	UL-RL	0.249	6.738	0	105.217	0.043	0	174.283
Stage 2	-11.2	141.52	70.026	UL-RL	0.249	6.738	0	107.13	0.043	0	177.156
Stage 2	-11.4	144.108	70.985	UL-RL	0.249	6.738	0	109.043	0.043	0	180.028

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	-11.6	146.337	71.945	UL-RL	0.249	6.738	0	110.956	0.043	0	182.901
Stage 2	-11.8	148.904	72.905	UL-RL	0.249	6.738	0	112.87	0.043	0	185.774
Stage 2	-12	151.125	73.865	UL-RL	0.249	6.738	0	114.783	0.043	0	188.648

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 2	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 2	-1	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 2	-1.2	1.913	12.89	PASSIVE	0.249	6.738	0	2.087	0.043	0	14.977
Stage 2	-1.4	3.826	21.591	V-C	0.249	6.738	0	4.174	0.043	0	25.765
Stage 2	-1.6	5.739	23.066	V-C	0.249	6.738	0	6.261	0.043	0	29.327
Stage 2	-1.8	7.652	24.495	V-C	0.249	6.738	0	8.348	0.043	0	32.843
Stage 2	-2	9.565	25.893	V-C	0.249	6.738	0	10.435	0.043	0	36.328
Stage 2	-2.2	11.478	27.267	V-C	0.249	6.738	0	12.522	0.043	0	39.788
Stage 2	-2.4	13.391	28.62	V-C	0.249	6.738	0	14.609	0.043	0	43.228
Stage 2	-2.6	15.304	29.953	V-C	0.249	6.738	0	16.696	0.043	0	46.649
Stage 2	-2.8	17.217	31.268	V-C	0.249	6.738	0	18.783	0.043	0	50.051
Stage 2	-3	19.13	32.564	V-C	0.249	6.738	0	20.87	0.043	0	53.434
Stage 2	-3.2	21.043	33.84	V-C	0.249	6.738	0	22.957	0.043	0	56.797
Stage 2	-3.4	22.957	35.095	V-C	0.249	6.738	0	25.043	0.043	0	60.139
Stage 2	-3.6	24.87	36.289	UL-RL	0.249	6.738	0	27.13	0.043	0	63.419
Stage 2	-3.8	26.783	37.412	UL-RL	0.249	6.738	0	29.217	0.043	0	66.63
Stage 2	-4	28.696	38.541	UL-RL	0.249	6.738	0	31.304	0.043	0	69.845
Stage 2	-4.2	30.609	39.669	UL-RL	0.249	6.738	0	33.391	0.043	0	73.061
Stage 2	-4.4	32.522	40.793	UL-RL	0.249	6.738	0	35.478	0.043	0	76.271
Stage 2	-4.6	34.435	41.907	UL-RL	0.249	6.738	0	37.565	0.043	0	79.472
Stage 2	-4.8	36.348	43.009	UL-RL	0.249	6.738	0	39.652	0.043	0	82.661
Stage 2	-5	38.261	44.097	UL-RL	0.249	6.738	0	41.739	0.043	0	85.836
Stage 2	-5.2	40.174	45.167	UL-RL	0.249	6.738	0	43.826	0.043	0	88.993
Stage 2	-5.4	42.087	46.22	UL-RL	0.249	6.738	0	45.913	0.043	0	92.133
Stage 2	-5.6	44	47.255	UL-RL	0.249	6.738	0	48	0.043	0	95.255
Stage 2	-5.8	45.913	48.271	UL-RL	0.249	6.738	0	50.087	0.043	0	98.358
Stage 2	-6	47.826	49.247	UL-RL	0.249	6.738	0	52.174	0.043	0	101.421
Stage 2	-6.2	49.739	50.196	UL-RL	0.249	6.738	0	54.261	0.043	0	104.457
Stage 2	-6.4	51.652	51.126	UL-RL	0.249	6.738	0	56.348	0.043	0	107.474
Stage 2	-6.6	53.565	52.04	UL-RL	0.249	6.738	0	58.435	0.043	0	110.475
Stage 2	-6.8	55.478	52.938	UL-RL	0.249	6.738	0	60.522	0.043	0	113.46
Stage 2	-7	57.391	53.821	UL-RL	0.249	6.738	0	62.609	0.043	0	116.43
Stage 2	-7.2	59.304	54.69	UL-RL	0.249	6.738	0	64.696	0.043	0	119.386
Stage 2	-7.4	61.217	55.548	UL-RL	0.249	6.738	0	66.783	0.043	0	122.33
Stage 2	-7.6	63.13	56.394	UL-RL	0.249	6.738	0	68.87	0.043	0	125.263
Stage 2	-7.8	65.043	57.23	UL-RL	0.249	6.738	0	70.956	0.043	0	128.186
Stage 2	-8	66.956	58.057	UL-RL	0.249	6.738	0	73.043	0.043	0	131.1
Stage 2	-8.2	68.87	58.876	UL-RL	0.249	6.738	0	75.13	0.043	0	134.006
Stage 2	-8.4	70.783	59.689	UL-RL	0.249	6.738	0	77.217	0.043	0	136.906
Stage 2	-8.6	72.696	60.495	UL-RL	0.249	6.738	0	79.304	0.043	0	139.8
Stage 2	-8.8	74.609	61.297	UL-RL	0.249	6.738	0	81.391	0.043	0	142.688
Stage 2	-9	76.522	62.094	UL-RL	0.249	6.738	0	83.478	0.043	0	145.573
Stage 2	-9.2	78.435	62.888	UL-RL	0.249	6.738	0	85.565	0.043	0	148.453
Stage 2	-9.4	80.348	63.679	UL-RL	0.249	6.738	0	87.652	0.043	0	151.331
Stage 2	-9.6	82.261	64.467	UL-RL	0.249	6.738	0	89.739	0.043	0	154.206
Stage 2	-9.8	84.174	65.253	UL-RL	0.249	6.738	0	91.826	0.043	0	157.079
Stage 2	-10	86.087	66.037	UL-RL	0.249	6.738	0	93.913	0.043	0	159.95
Stage 2	-10.2	88	66.82	UL-RL	0.249	6.738	0	96	0.043	0	162.82
Stage 2	-10.4	89.913	67.603	UL-RL	0.249	6.738	0	98.087	0.043	0	165.689
Stage 2	-10.6	91.826	68.384	UL-RL	0.249	6.738	0	100.174	0.043	0	168.558
Stage 2	-10.8	93.739	69.165	UL-RL	0.249	6.738	0	102.261	0.043	0	171.426
Stage 2	-11	95.652	69.945	UL-RL	0.249	6.738	0	104.348	0.043	0	174.293
Stage 2	-11.2	97.565	70.726	UL-RL	0.249	6.738	0	106.435	0.043	0	177.16
Stage 2	-11.4	99.478	71.506	UL-RL	0.249	6.738	0	108.522	0.043	0	180.028
Stage 2	-11.6	101.391	72.286	UL-RL	0.249	6.738	0	110.609	0.043	0	182.895
Stage 2	-11.8	103.304	73.067	UL-RL	0.249	6.738	0	112.696	0.043	0	185.762
Stage 2	-12	105.217	73.848	UL-RL	0.249	6.738	0	114.783	0.043	0	188.63

Tabella Risultati Terreno Left Wall - Nominal - Stage 3

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 3	-0.2	2.296	0.572	ACTIVE	0.249	6.738	0	1.818	0.091	0	2.39
Stage 3	-0.4	4.964	1.236	ACTIVE	0.249	6.738	0	3.636	0.091	0	4.872
Stage 3	-0.6	7.787	1.939	ACTIVE	0.249	6.738	0	5.455	0.091	0	7.394
Stage 3	-0.8	10.915	2.718	ACTIVE	0.249	6.738	0	7.273	0.091	0	9.991
Stage 3	-1	14.044	3.497	ACTIVE	0.249	6.738	0	9.091	0.091	0	12.588
Stage 3	-1.2	16.752	4.171	ACTIVE	0.249	6.738	0	10.909	0.091	0	15.08
Stage 3	-1.4	19.374	4.824	ACTIVE	0.249	6.738	0	12.727	0.091	0	17.551
Stage 3	-1.6	22.087	5.5	ACTIVE	0.249	6.738	0	14.545	0.091	0	20.045
Stage 3	-1.8	24.62	6.13	ACTIVE	0.249	6.738	0	16.364	0.091	0	22.494
Stage 3	-2	27.256	6.787	ACTIVE	0.249	6.738	0	18.182	0.091	0	24.969
Stage 3	-2.2	29.771	7.413	ACTIVE	0.249	6.738	0	20	0.091	0	27.413
Stage 3	-2.4	32.384	8.064	ACTIVE	0.249	6.738	0	21.818	0.091	0	29.882
Stage 3	-2.6	34.907	8.692	ACTIVE	0.249	6.738	0	23.636	0.091	0	32.328
Stage 3	-2.8	37.52	9.343	ACTIVE	0.249	6.738	0	25.455	0.091	0	34.797
Stage 3	-3	40.06	9.975	ACTIVE	0.249	6.738	0	27.273	0.091	0	37.248
Stage 3	-3.2	42.681	10.628	ACTIVE	0.249	6.738	0	29.091	0.091	0	39.719
Stage 3	-3.4	45.239	11.265	ACTIVE	0.249	6.738	0	30.909	0.091	0	42.174
Stage 3	-3.6	47.806	11.904	ACTIVE	0.249	6.738	0	32.727	0.091	0	44.631
Stage 3	-3.8	50.44	12.56	ACTIVE	0.249	6.738	0	34.545	0.091	0	47.105
Stage 3	-4	53.018	13.202	ACTIVE	0.249	6.738	0	36.364	0.091	0	49.565
Stage 3	-4.2	55.655	13.858	ACTIVE	0.249	6.738	0	38.182	0.091	0	52.04
Stage 3	-4.4	58.239	14.501	ACTIVE	0.249	6.738	0	40	0.091	0	54.501
Stage 3	-4.6	60.873	15.157	ACTIVE	0.249	6.738	0	41.818	0.091	0	56.976
Stage 3	-4.8	63.457	15.801	ACTIVE	0.249	6.738	0	43.636	0.091	0	59.437
Stage 3	-5	66.04	21.125	UL-RL	0.249	6.738	0	45.455	0.091	0	66.579
Stage 3	-5.2	68.446	26.676	UL-RL	0.249	6.738	0	47.273	0.091	0	73.949
Stage 3	-5.4	70.859	31.44	UL-RL	0.249	6.738	0	49.091	0.091	0	80.531
Stage 3	-5.6	73.277	35.493	UL-RL	0.249	6.738	0	50.909	0.091	0	86.402
Stage 3	-5.8	75.698	38.913	UL-RL	0.249	6.738	0	52.727	0.091	0	91.641
Stage 3	-6	78.121	41.78	UL-RL	0.249	6.738	0	54.545	0.091	0	96.325
Stage 3	-6.2	80.544	44.169	UL-RL	0.249	6.738	0	56.364	0.091	0	100.533
Stage 3	-6.4	82.967	46.153	UL-RL	0.249	6.738	0	58.182	0.091	0	104.335
Stage 3	-6.6	85.628	47.8	UL-RL	0.249	6.738	0	60	0.091	0	107.8
Stage 3	-6.8	88.192	49.172	UL-RL	0.249	6.738	0	61.818	0.091	0	110.99
Stage 3	-7	91.315	50.323	UL-RL	0.249	6.738	0	63.636	0.091	0	113.96
Stage 3	-7.2	93.84	51.304	UL-RL	0.249	6.738	0	65.455	0.091	0	116.758
Stage 3	-7.4	96.898	52.156	UL-RL	0.249	6.738	0	67.273	0.091	0	119.429
Stage 3	-7.6	99.391	52.917	UL-RL	0.249	6.738	0	69.091	0.091	0	122.008
Stage 3	-7.8	102.391	53.617	UL-RL	0.249	6.738	0	70.909	0.091	0	124.526
Stage 3	-8	105.357	54.282	UL-RL	0.249	6.738	0	72.727	0.091	0	127.009
Stage 3	-8.2	107.805	54.931	UL-RL	0.249	6.738	0	74.545	0.091	0	129.477
Stage 3	-8.4	110.724	55.582	UL-RL	0.249	6.738	0	76.364	0.091	0	131.945
Stage 3	-8.6	113.15	56.245	UL-RL	0.249	6.738	0	78.182	0.091	0	134.427
Stage 3	-8.8	116.026	56.931	UL-RL	0.249	6.738	0	80	0.091	0	136.931
Stage 3	-9	118.434	57.644	UL-RL	0.249	6.738	0	81.818	0.091	0	139.462
Stage 3	-9.2	121.272	58.389	UL-RL	0.249	6.738	0	83.636	0.091	0	142.025
Stage 3	-9.4	123.663	59.167	UL-RL	0.249	6.738	0	85.455	0.091	0	144.621
Stage 3	-9.6	126.467	59.978	UL-RL	0.249	6.738	0	87.273	0.091	0	147.25
Stage 3	-9.8	128.843	60.82	UL-RL	0.249	6.738	0	89.091	0.091	0	149.911
Stage 3	-10	131.616	61.692	UL-RL	0.249	6.738	0	90.909	0.091	0	152.601
Stage 3	-10.2	133.979	62.59	UL-RL	0.249	6.738	0	92.727	0.091	0	155.317
Stage 3	-10.4	136.725	63.511	UL-RL	0.249	6.738	0	94.545	0.091	0	158.057
Stage 3	-10.6	139.453	64.452	UL-RL	0.249	6.738	0	96.364	0.091	0	160.816
Stage 3	-10.8	141.796	65.409	UL-RL	0.249	6.738	0	98.182	0.091	0	163.591
Stage 3	-11	144.5	66.379	UL-RL	0.249	6.738	0	100	0.091	0	166.379
Stage 3	-11.2	146.833	67.358	UL-RL	0.249	6.738	0	101.818	0.091	0	169.176
Stage 3	-11.4	149.515	68.343	UL-RL	0.249	6.738	0	103.636	0.091	0	171.979

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	-11.6	151.839	69.331	UL-RL	0.249	6.738	0	105.454	0.091	0	174.786
Stage 3	-11.8	154.501	70.322	UL-RL	0.249	6.738	0	107.273	0.091	0	177.595
Stage 3	-12	156.817	71.314	UL-RL	0.249	6.738	0	109.091	0.091	0	180.405

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 3	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 3	-2	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 3	-2.2	1.818	12.251	PASSIVE	0.249	6.738	0	2.182	0.091	0	14.433
Stage 3	-2.4	3.636	24.502	PASSIVE	0.249	6.738	0	4.364	0.091	0	28.865
Stage 3	-2.6	5.455	36.753	PASSIVE	0.249	6.738	0	6.545	0.091	0	43.298
Stage 3	-2.8	7.273	49.004	PASSIVE	0.249	6.738	0	8.727	0.091	0	57.731
Stage 3	-3	9.091	49.923	V-C	0.249	6.738	0	10.909	0.091	0	60.832
Stage 3	-3.2	10.909	49.042	V-C	0.249	6.738	0	13.091	0.091	0	62.133
Stage 3	-3.4	12.727	48.261	V-C	0.249	6.738	0	15.273	0.091	0	63.534
Stage 3	-3.6	14.545	47.591	V-C	0.249	6.738	0	17.455	0.091	0	65.046
Stage 3	-3.8	16.364	47.041	V-C	0.249	6.738	0	19.636	0.091	0	66.677
Stage 3	-4	18.182	46.617	V-C	0.249	6.738	0	21.818	0.091	0	68.435
Stage 3	-4.2	20	46.323	V-C	0.249	6.738	0	24	0.091	0	70.323
Stage 3	-4.4	21.818	46.159	V-C	0.249	6.738	0	26.182	0.091	0	72.34
Stage 3	-4.6	23.636	46.124	V-C	0.249	6.738	0	28.364	0.091	0	74.487
Stage 3	-4.8	25.455	46.215	V-C	0.249	6.738	0	30.545	0.091	0	76.76
Stage 3	-5	27.273	46.425	V-C	0.249	6.738	0	32.727	0.091	0	79.153
Stage 3	-5.2	29.091	46.749	V-C	0.249	6.738	0	34.909	0.091	0	81.658
Stage 3	-5.4	30.909	47.175	V-C	0.249	6.738	0	37.091	0.091	0	84.266
Stage 3	-5.6	32.727	47.694	V-C	0.249	6.738	0	39.273	0.091	0	86.967
Stage 3	-5.8	34.545	47.917	UL-RL	0.249	6.738	0	41.455	0.091	0	89.371
Stage 3	-6	36.364	47.986	UL-RL	0.249	6.738	0	43.636	0.091	0	91.623
Stage 3	-6.2	38.182	48.258	UL-RL	0.249	6.738	0	45.818	0.091	0	94.076
Stage 3	-6.4	40	48.708	UL-RL	0.249	6.738	0	48	0.091	0	96.708
Stage 3	-6.6	41.818	49.306	UL-RL	0.249	6.738	0	50.182	0.091	0	99.487
Stage 3	-6.8	43.636	50.021	UL-RL	0.249	6.738	0	52.364	0.091	0	102.385
Stage 3	-7	45.455	50.83	UL-RL	0.249	6.738	0	54.545	0.091	0	105.375
Stage 3	-7.2	47.273	51.708	UL-RL	0.249	6.738	0	56.727	0.091	0	108.436
Stage 3	-7.4	49.091	52.637	UL-RL	0.249	6.738	0	58.909	0.091	0	111.546
Stage 3	-7.6	50.909	53.599	UL-RL	0.249	6.738	0	61.091	0.091	0	114.69
Stage 3	-7.8	52.727	54.581	UL-RL	0.249	6.738	0	63.273	0.091	0	117.853
Stage 3	-8	54.545	55.57	UL-RL	0.249	6.738	0	65.455	0.091	0	121.025
Stage 3	-8.2	56.364	56.558	UL-RL	0.249	6.738	0	67.636	0.091	0	124.195
Stage 3	-8.4	58.182	57.538	UL-RL	0.249	6.738	0	69.818	0.091	0	127.356
Stage 3	-8.6	60	58.505	UL-RL	0.249	6.738	0	72	0.091	0	130.505
Stage 3	-8.8	61.818	59.455	UL-RL	0.249	6.738	0	74.182	0.091	0	133.637
Stage 3	-9	63.636	60.385	UL-RL	0.249	6.738	0	76.364	0.091	0	136.749
Stage 3	-9.2	65.455	61.296	UL-RL	0.249	6.738	0	78.545	0.091	0	139.841
Stage 3	-9.4	67.273	62.186	UL-RL	0.249	6.738	0	80.727	0.091	0	142.913
Stage 3	-9.6	69.091	63.056	UL-RL	0.249	6.738	0	82.909	0.091	0	145.965
Stage 3	-9.8	70.909	63.907	UL-RL	0.249	6.738	0	85.091	0.091	0	148.998
Stage 3	-10	72.727	64.741	UL-RL	0.249	6.738	0	87.273	0.091	0	152.014
Stage 3	-10.2	74.545	65.56	UL-RL	0.249	6.738	0	89.455	0.091	0	155.014
Stage 3	-10.4	76.364	66.366	UL-RL	0.249	6.738	0	91.636	0.091	0	158.002
Stage 3	-10.6	78.182	67.16	UL-RL	0.249	6.738	0	93.818	0.091	0	160.978
Stage 3	-10.8	80	67.946	UL-RL	0.249	6.738	0	96	0.091	0	163.946
Stage 3	-11	81.818	68.724	UL-RL	0.249	6.738	0	98.182	0.091	0	166.906
Stage 3	-11.2	83.636	69.498	UL-RL	0.249	6.738	0	100.364	0.091	0	169.862
Stage 3	-11.4	85.454	70.268	UL-RL	0.249	6.738	0	102.545	0.091	0	172.814
Stage 3	-11.6	87.273	71.036	UL-RL	0.249	6.738	0	104.727	0.091	0	175.764
Stage 3	-11.8	89.091	71.804	UL-RL	0.249	6.738	0	106.909	0.091	0	178.713
Stage 3	-12	90.909	72.571	UL-RL	0.249	6.738	0	109.091	0.091	0	181.662

Tabella Risultati Terreno Left Wall - Nominal - Stage 4

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 4	-0.2	2.4	3.597	UL-RL	0.249	6.738	0	1.714	0.143	0	5.312
Stage 4	-0.4	5.172	4.648	UL-RL	0.249	6.738	0	3.429	0.143	0	8.077
Stage 4	-0.6	8.099	5.736	UL-RL	0.249	6.738	0	5.143	0.143	0	10.879
Stage 4	-0.8	11.331	6.895	UL-RL	0.249	6.738	0	6.857	0.143	0	13.752
Stage 4	-1	14.564	8.045	UL-RL	0.249	6.738	0	8.571	0.143	0	16.616
Stage 4	-1.2	17.375	9.074	UL-RL	0.249	6.738	0	10.286	0.143	0	19.36
Stage 4	-1.4	20.101	10.058	UL-RL	0.249	6.738	0	12	0.143	0	22.058
Stage 4	-1.6	22.918	11.029	UL-RL	0.249	6.738	0	13.714	0.143	0	24.743
Stage 4	-1.8	25.556	11.908	UL-RL	0.249	6.738	0	15.429	0.143	0	27.337
Stage 4	-2	28.295	12.75	UL-RL	0.249	6.738	0	17.143	0.143	0	29.893
Stage 4	-2.2	30.913	13.483	UL-RL	0.249	6.738	0	18.857	0.143	0	32.34
Stage 4	-2.4	33.631	14.139	UL-RL	0.249	6.738	0	20.571	0.143	0	34.711
Stage 4	-2.6	36.257	14.642	UL-RL	0.249	6.738	0	22.286	0.143	0	36.928
Stage 4	-2.8	38.975	14.998	UL-RL	0.249	6.738	0	24	0.143	0	38.998
Stage 4	-3	41.619	15.138	UL-RL	0.249	6.738	0	25.714	0.143	0	40.852
Stage 4	-3.2	44.344	15.078	UL-RL	0.249	6.738	0	27.429	0.143	0	42.506
Stage 4	-3.4	47.005	14.847	UL-RL	0.249	6.738	0	29.143	0.143	0	43.99
Stage 4	-3.6	49.676	14.531	UL-RL	0.249	6.738	0	30.857	0.143	0	45.389
Stage 4	-3.8	52.414	14.196	UL-RL	0.249	6.738	0	32.571	0.143	0	46.767
Stage 4	-4	55.096	13.847	UL-RL	0.249	6.738	0	34.286	0.143	0	48.132
Stage 4	-4.2	57.837	14.401	ACTIVE	0.249	6.738	0	36	0.143	0	50.401
Stage 4	-4.4	60.524	15.071	ACTIVE	0.249	6.738	0	37.714	0.143	0	52.785
Stage 4	-4.6	63.262	15.752	ACTIVE	0.249	6.738	0	39.429	0.143	0	55.181
Stage 4	-4.8	65.95	16.422	ACTIVE	0.249	6.738	0	41.143	0.143	0	57.564
Stage 4	-5	68.637	17.628	UL-RL	0.249	6.738	0	42.857	0.143	0	60.485
Stage 4	-5.2	71.148	22.597	UL-RL	0.249	6.738	0	44.571	0.143	0	67.169
Stage 4	-5.4	73.665	26.867	UL-RL	0.249	6.738	0	46.286	0.143	0	73.153
Stage 4	-5.6	76.186	30.512	UL-RL	0.249	6.738	0	48	0.143	0	78.512
Stage 4	-5.8	78.711	33.606	UL-RL	0.249	6.738	0	49.714	0.143	0	83.32
Stage 4	-6	81.237	36.221	UL-RL	0.249	6.738	0	51.429	0.143	0	87.65
Stage 4	-6.2	83.765	38.429	UL-RL	0.249	6.738	0	53.143	0.143	0	91.572
Stage 4	-6.4	86.291	40.296	UL-RL	0.249	6.738	0	54.857	0.143	0	95.153
Stage 4	-6.6	89.057	41.881	UL-RL	0.249	6.738	0	56.571	0.143	0	98.452
Stage 4	-6.8	91.724	43.241	UL-RL	0.249	6.738	0	58.286	0.143	0	101.526
Stage 4	-7	94.951	44.423	UL-RL	0.249	6.738	0	60	0.143	0	104.423
Stage 4	-7.2	97.581	45.472	UL-RL	0.249	6.738	0	61.714	0.143	0	107.187
Stage 4	-7.4	100.742	46.424	UL-RL	0.249	6.738	0	63.429	0.143	0	109.853
Stage 4	-7.6	103.339	47.311	UL-RL	0.249	6.738	0	65.143	0.143	0	112.454
Stage 4	-7.8	106.443	48.157	UL-RL	0.249	6.738	0	66.857	0.143	0	115.014
Stage 4	-8	109.513	48.985	UL-RL	0.249	6.738	0	68.571	0.143	0	117.556
Stage 4	-8.2	112.065	49.81	UL-RL	0.249	6.738	0	70.286	0.143	0	120.095
Stage 4	-8.4	115.087	50.645	UL-RL	0.249	6.738	0	72	0.143	0	122.645
Stage 4	-8.6	117.618	51.501	UL-RL	0.249	6.738	0	73.714	0.143	0	125.215
Stage 4	-8.8	120.598	52.382	UL-RL	0.249	6.738	0	75.429	0.143	0	127.811
Stage 4	-9	123.109	53.294	UL-RL	0.249	6.738	0	77.143	0.143	0	130.437
Stage 4	-9.2	126.052	54.238	UL-RL	0.249	6.738	0	78.857	0.143	0	133.095
Stage 4	-9.4	128.546	55.215	UL-RL	0.249	6.738	0	80.571	0.143	0	135.786
Stage 4	-9.6	131.454	56.224	UL-RL	0.249	6.738	0	82.286	0.143	0	138.509
Stage 4	-9.8	133.934	57.262	UL-RL	0.249	6.738	0	84	0.143	0	141.262
Stage 4	-10	136.811	58.328	UL-RL	0.249	6.738	0	85.714	0.143	0	144.042
Stage 4	-10.2	139.278	59.418	UL-RL	0.249	6.738	0	87.429	0.143	0	146.846
Stage 4	-10.4	142.127	60.528	UL-RL	0.249	6.738	0	89.143	0.143	0	149.671
Stage 4	-10.6	144.96	61.657	UL-RL	0.249	6.738	0	90.857	0.143	0	152.514
Stage 4	-10.8	147.406	62.799	UL-RL	0.249	6.738	0	92.571	0.143	0	155.37
Stage 4	-11	150.214	63.952	UL-RL	0.249	6.738	0	94.286	0.143	0	158.238
Stage 4	-11.2	152.651	65.114	UL-RL	0.249	6.738	0	96	0.143	0	161.114
Stage 4	-11.4	155.437	66.28	UL-RL	0.249	6.738	0	97.714	0.143	0	163.995

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	-11.6	157.865	67.451	UL-RL	0.249	6.738	0	99.428	0.143	0	166.879
Stage 4	-11.8	160.631	68.622	UL-RL	0.249	6.738	0	101.143	0.143	0	169.765
Stage 4	-12	163.05	69.795	UL-RL	0.249	6.738	0	102.857	0.143	0	172.652

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 4	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 4	-3	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 4	-3.2	1.714	9.752	UL-RL	0.249	6.738	0	2.286	0.143	0	12.037
Stage 4	-3.4	3.429	21.76	UL-RL	0.249	6.738	0	4.571	0.143	0	26.331
Stage 4	-3.6	5.143	33.811	UL-RL	0.249	6.738	0	6.857	0.143	0	40.668
Stage 4	-3.8	6.857	42.321	UL-RL	0.249	6.738	0	9.143	0.143	0	51.464
Stage 4	-4	8.571	42.587	UL-RL	0.249	6.738	0	11.429	0.143	0	54.016
Stage 4	-4.2	10.286	42.923	UL-RL	0.249	6.738	0	13.714	0.143	0	56.638
Stage 4	-4.4	12	43.333	UL-RL	0.249	6.738	0	16	0.143	0	59.333
Stage 4	-4.6	13.714	43.816	UL-RL	0.249	6.738	0	18.286	0.143	0	62.102
Stage 4	-4.8	15.429	44.368	UL-RL	0.249	6.738	0	20.571	0.143	0	64.94
Stage 4	-5	17.143	44.984	UL-RL	0.249	6.738	0	22.857	0.143	0	67.841
Stage 4	-5.2	18.857	45.658	UL-RL	0.249	6.738	0	25.143	0.143	0	70.801
Stage 4	-5.4	20.571	46.383	UL-RL	0.249	6.738	0	27.429	0.143	0	73.812
Stage 4	-5.6	22.286	47.152	UL-RL	0.249	6.738	0	29.714	0.143	0	76.866
Stage 4	-5.8	24	47.578	UL-RL	0.249	6.738	0	32	0.143	0	79.578
Stage 4	-6	25.714	47.809	UL-RL	0.249	6.738	0	34.286	0.143	0	82.095
Stage 4	-6.2	27.429	48.204	UL-RL	0.249	6.738	0	36.571	0.143	0	84.775
Stage 4	-6.4	29.143	48.742	UL-RL	0.249	6.738	0	38.857	0.143	0	87.599
Stage 4	-6.6	30.857	49.397	UL-RL	0.249	6.738	0	41.143	0.143	0	90.54
Stage 4	-6.8	32.571	50.143	UL-RL	0.249	6.738	0	43.429	0.143	0	93.572
Stage 4	-7	34.286	50.958	UL-RL	0.249	6.738	0	45.714	0.143	0	96.672
Stage 4	-7.2	36	51.823	UL-RL	0.249	6.738	0	48	0.143	0	99.823
Stage 4	-7.4	37.714	52.721	UL-RL	0.249	6.738	0	50.286	0.143	0	103.006
Stage 4	-7.6	39.429	53.637	UL-RL	0.249	6.738	0	52.571	0.143	0	106.209
Stage 4	-7.8	41.143	54.562	UL-RL	0.249	6.738	0	54.857	0.143	0	109.419
Stage 4	-8	42.857	55.485	UL-RL	0.249	6.738	0	57.143	0.143	0	112.628
Stage 4	-8.2	44.571	56.399	UL-RL	0.249	6.738	0	59.429	0.143	0	115.828
Stage 4	-8.4	46.286	57.3	UL-RL	0.249	6.738	0	61.714	0.143	0	119.014
Stage 4	-8.6	48	58.183	UL-RL	0.249	6.738	0	64	0.143	0	122.183
Stage 4	-8.8	49.714	59.046	UL-RL	0.249	6.738	0	66.286	0.143	0	125.332
Stage 4	-9	51.429	59.888	UL-RL	0.249	6.738	0	68.571	0.143	0	128.459
Stage 4	-9.2	53.143	60.708	UL-RL	0.249	6.738	0	70.857	0.143	0	131.566
Stage 4	-9.4	54.857	61.508	UL-RL	0.249	6.738	0	73.143	0.143	0	134.651
Stage 4	-9.6	56.571	62.288	UL-RL	0.249	6.738	0	75.429	0.143	0	137.717
Stage 4	-9.8	58.286	63.05	UL-RL	0.249	6.738	0	77.714	0.143	0	140.764
Stage 4	-10	60	63.795	UL-RL	0.249	6.738	0	80	0.143	0	143.795
Stage 4	-10.2	61.714	64.525	UL-RL	0.249	6.738	0	82.286	0.143	0	146.811
Stage 4	-10.4	63.428	65.243	UL-RL	0.249	6.738	0	84.571	0.143	0	149.814
Stage 4	-10.6	65.143	65.95	UL-RL	0.249	6.738	0	86.857	0.143	0	152.807
Stage 4	-10.8	66.857	66.649	UL-RL	0.249	6.738	0	89.143	0.143	0	155.792
Stage 4	-11	68.571	67.342	UL-RL	0.249	6.738	0	91.428	0.143	0	158.77
Stage 4	-11.2	70.286	68.03	UL-RL	0.249	6.738	0	93.714	0.143	0	161.744
Stage 4	-11.4	72	68.714	UL-RL	0.249	6.738	0	96	0.143	0	164.714
Stage 4	-11.6	73.714	69.397	UL-RL	0.249	6.738	0	98.286	0.143	0	167.682
Stage 4	-11.8	75.428	70.078	UL-RL	0.249	6.738	0	100.571	0.143	0	170.65
Stage 4	-12	77.143	70.76	UL-RL	0.249	6.738	0	102.857	0.143	0	173.617

Tabella Risultati Terreno Left Wall - Nominal - Stage 5

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 5	-0.2	2.514	1.209	UL-RL	0.249	6.738	0	1.6	0.2	0	2.809
Stage 5	-0.4	5.401	2.881	UL-RL	0.249	6.738	0	3.2	0.2	0	6.081
Stage 5	-0.6	8.442	4.591	UL-RL	0.249	6.738	0	4.8	0.2	0	9.391
Stage 5	-0.8	11.788	6.375	UL-RL	0.249	6.738	0	6.4	0.2	0	12.775
Stage 5	-1	15.135	8.155	UL-RL	0.249	6.738	0	8	0.2	0	16.155
Stage 5	-1.2	18.061	9.822	UL-RL	0.249	6.738	0	9.6	0.2	0	19.422
Stage 5	-1.4	20.901	11.452	UL-RL	0.249	6.738	0	11.2	0.2	0	22.652
Stage 5	-1.6	23.833	13.084	UL-RL	0.249	6.738	0	12.8	0.2	0	25.884
Stage 5	-1.8	26.584	14.638	UL-RL	0.249	6.738	0	14.4	0.2	0	29.038
Stage 5	-2	29.438	16.172	UL-RL	0.249	6.738	0	16	0.2	0	32.172
Stage 5	-2.2	32.171	17.614	UL-RL	0.249	6.738	0	17.6	0.2	0	35.214
Stage 5	-2.4	35.002	19	UL-RL	0.249	6.738	0	19.2	0.2	0	38.2
Stage 5	-2.6	37.743	20.25	UL-RL	0.249	6.738	0	20.8	0.2	0	41.05
Stage 5	-2.8	40.575	21.365	UL-RL	0.249	6.738	0	22.4	0.2	0	43.765
Stage 5	-3	43.333	22.24	UL-RL	0.249	6.738	0	24	0.2	0	46.24
Stage 5	-3.2	46.172	22.829	UL-RL	0.249	6.738	0	25.6	0.2	0	48.429
Stage 5	-3.4	48.948	23.04	UL-RL	0.249	6.738	0	27.2	0.2	0	50.24
Stage 5	-3.6	51.734	22.938	UL-RL	0.249	6.738	0	28.8	0.2	0	51.738
Stage 5	-3.8	54.586	22.584	UL-RL	0.249	6.738	0	30.4	0.2	0	52.984
Stage 5	-4	57.382	21.964	UL-RL	0.249	6.738	0	32	0.2	0	53.964
Stage 5	-4.2	60.237	21.982	UL-RL	0.249	6.738	0	33.6	0.2	0	55.582
Stage 5	-4.4	63.039	21.908	UL-RL	0.249	6.738	0	35.2	0.2	0	57.108
Stage 5	-4.6	65.891	21.707	UL-RL	0.249	6.738	0	36.8	0.2	0	58.507
Stage 5	-4.8	68.693	21.407	UL-RL	0.249	6.738	0	38.4	0.2	0	59.807
Stage 5	-5	71.495	21.598	UL-RL	0.249	6.738	0	40	0.2	0	61.598
Stage 5	-5.2	74.119	25.541	UL-RL	0.249	6.738	0	41.6	0.2	0	67.141
Stage 5	-5.4	76.75	28.801	UL-RL	0.249	6.738	0	43.2	0.2	0	72.001
Stage 5	-5.6	79.386	31.473	UL-RL	0.249	6.738	0	44.8	0.2	0	76.273
Stage 5	-5.8	82.025	33.649	UL-RL	0.249	6.738	0	46.4	0.2	0	80.049
Stage 5	-6	84.666	35.414	UL-RL	0.249	6.738	0	48	0.2	0	83.414
Stage 5	-6.2	87.307	36.846	UL-RL	0.249	6.738	0	49.6	0.2	0	86.446
Stage 5	-6.4	89.949	38.017	UL-RL	0.249	6.738	0	51.2	0.2	0	89.217
Stage 5	-6.6	92.828	38.99	UL-RL	0.249	6.738	0	52.8	0.2	0	91.79
Stage 5	-6.8	95.61	39.82	UL-RL	0.249	6.738	0	54.4	0.2	0	94.22
Stage 5	-7	98.951	40.555	UL-RL	0.249	6.738	0	56	0.2	0	96.555
Stage 5	-7.2	101.695	41.234	UL-RL	0.249	6.738	0	57.6	0.2	0	98.834
Stage 5	-7.4	104.97	41.891	UL-RL	0.249	6.738	0	59.2	0.2	0	101.091
Stage 5	-7.6	107.682	42.551	UL-RL	0.249	6.738	0	60.8	0.2	0	103.351
Stage 5	-7.8	110.9	43.236	UL-RL	0.249	6.738	0	62.4	0.2	0	105.636
Stage 5	-8	114.084	43.96	UL-RL	0.249	6.738	0	64	0.2	0	107.96
Stage 5	-8.2	116.751	44.734	UL-RL	0.249	6.738	0	65.6	0.2	0	110.334
Stage 5	-8.4	119.887	45.565	UL-RL	0.249	6.738	0	67.2	0.2	0	112.766
Stage 5	-8.6	122.532	46.458	UL-RL	0.249	6.738	0	68.8	0.2	0	115.258
Stage 5	-8.8	125.626	47.412	UL-RL	0.249	6.738	0	70.4	0.2	0	117.812
Stage 5	-9	128.252	48.428	UL-RL	0.249	6.738	0	72	0.2	0	120.428
Stage 5	-9.2	131.309	49.502	UL-RL	0.249	6.738	0	73.6	0.2	0	123.102
Stage 5	-9.4	133.917	50.63	UL-RL	0.249	6.738	0	75.2	0.2	0	125.83
Stage 5	-9.6	136.94	51.808	UL-RL	0.249	6.738	0	76.8	0.2	0	128.608
Stage 5	-9.8	139.534	53.031	UL-RL	0.249	6.738	0	78.4	0.2	0	131.431
Stage 5	-10	142.526	54.292	UL-RL	0.249	6.738	0	80	0.2	0	134.292
Stage 5	-10.2	145.106	55.587	UL-RL	0.249	6.738	0	81.6	0.2	0	137.187
Stage 5	-10.4	148.07	56.909	UL-RL	0.249	6.738	0	83.2	0.2	0	140.109
Stage 5	-10.6	151.017	58.254	UL-RL	0.249	6.738	0	84.8	0.2	0	143.054
Stage 5	-10.8	153.577	59.617	UL-RL	0.249	6.738	0	86.4	0.2	0	146.017
Stage 5	-11	156.5	60.993	UL-RL	0.249	6.738	0	88	0.2	0	148.993
Stage 5	-11.2	159.051	62.378	UL-RL	0.249	6.738	0	89.6	0.2	0	151.978
Stage 5	-11.4	161.951	63.77	UL-RL	0.249	6.738	0	91.2	0.2	0	154.97

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	-11.6	164.493	65.166	UL-RL	0.249	6.738	0	92.8	0.2	0	157.966
Stage 5	-11.8	167.374	66.563	UL-RL	0.249	6.738	0	94.4	0.2	0	160.963
Stage 5	-12	169.908	67.962	UL-RL	0.249	6.738	0	96	0.2	0	163.962

Design Assumption: Nominal Risultati Terreno			Muro:	LEFT		Lato	RIGHT			
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 5	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 5	-4	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 5	-4.2	1.6	7.609	UL-RL	0.249	6.738	0	2.4	0.2	0	10.009
Stage 5	-4.4	3.2	18.787	UL-RL	0.249	6.738	0	4.8	0.2	0	23.587
Stage 5	-4.6	4.8	30.035	UL-RL	0.249	6.738	0	7.2	0.2	0	37.235
Stage 5	-4.8	6.4	37.728	UL-RL	0.249	6.738	0	9.6	0.2	0	47.328
Stage 5	-5	8	39.082	UL-RL	0.249	6.738	0	12	0.2	0	51.082
Stage 5	-5.2	9.6	40.448	UL-RL	0.249	6.738	0	14.4	0.2	0	54.848
Stage 5	-5.4	11.2	41.82	UL-RL	0.249	6.738	0	16.8	0.2	0	58.62
Stage 5	-5.6	12.8	43.192	UL-RL	0.249	6.738	0	19.2	0.2	0	62.392
Stage 5	-5.8	14.4	44.176	UL-RL	0.249	6.738	0	21.6	0.2	0	65.776
Stage 5	-6	16	44.915	UL-RL	0.249	6.738	0	24	0.2	0	68.915
Stage 5	-6.2	17.6	45.769	UL-RL	0.249	6.738	0	26.4	0.2	0	72.169
Stage 5	-6.4	19.2	46.718	UL-RL	0.249	6.738	0	28.8	0.2	0	75.518
Stage 5	-6.6	20.8	47.733	UL-RL	0.249	6.738	0	31.2	0.2	0	78.933
Stage 5	-6.8	22.4	48.793	UL-RL	0.249	6.738	0	33.6	0.2	0	82.392
Stage 5	-7	24	49.875	UL-RL	0.249	6.738	0	36	0.2	0	85.875
Stage 5	-7.2	25.6	50.963	UL-RL	0.249	6.738	0	38.4	0.2	0	89.363
Stage 5	-7.4	27.2	52.044	UL-RL	0.249	6.738	0	40.8	0.2	0	92.843
Stage 5	-7.6	28.8	53.105	UL-RL	0.249	6.738	0	43.2	0.2	0	96.305
Stage 5	-7.8	30.4	54.139	UL-RL	0.249	6.738	0	45.6	0.2	0	99.739
Stage 5	-8	32	55.141	UL-RL	0.249	6.738	0	48	0.2	0	103.141
Stage 5	-8.2	33.6	56.105	UL-RL	0.249	6.738	0	50.4	0.2	0	106.505
Stage 5	-8.4	35.2	57.03	UL-RL	0.249	6.738	0	52.8	0.2	0	109.83
Stage 5	-8.6	36.8	57.915	UL-RL	0.249	6.738	0	55.2	0.2	0	113.115
Stage 5	-8.8	38.4	58.761	UL-RL	0.249	6.738	0	57.6	0.2	0	116.361
Stage 5	-9	40	59.569	UL-RL	0.249	6.738	0	60	0.2	0	119.569
Stage 5	-9.2	41.6	60.341	UL-RL	0.249	6.738	0	62.4	0.2	0	122.741
Stage 5	-9.4	43.2	61.08	UL-RL	0.249	6.738	0	64.8	0.2	0	125.88
Stage 5	-9.6	44.8	61.79	UL-RL	0.249	6.738	0	67.2	0.2	0	128.99
Stage 5	-9.8	46.4	62.473	UL-RL	0.249	6.738	0	69.6	0.2	0	132.073
Stage 5	-10	48	63.133	UL-RL	0.249	6.738	0	72	0.2	0	135.132
Stage 5	-10.2	49.6	63.772	UL-RL	0.249	6.738	0	74.4	0.2	0	138.172
Stage 5	-10.4	51.2	64.395	UL-RL	0.249	6.738	0	76.8	0.2	0	141.195
Stage 5	-10.6	52.8	65.005	UL-RL	0.249	6.738	0	79.2	0.2	0	144.205
Stage 5	-10.8	54.4	65.603	UL-RL	0.249	6.738	0	81.6	0.2	0	147.203
Stage 5	-11	56	66.194	UL-RL	0.249	6.738	0	84	0.2	0	150.194
Stage 5	-11.2	57.6	66.778	UL-RL	0.249	6.738	0	86.4	0.2	0	153.178
Stage 5	-11.4	59.2	67.358	UL-RL	0.249	6.738	0	88.8	0.2	0	156.158
Stage 5	-11.6	60.8	67.935	UL-RL	0.249	6.738	0	91.2	0.2	0	159.135
Stage 5	-11.8	62.4	68.511	UL-RL	0.249	6.738	0	93.6	0.2	0	162.111
Stage 5	-12	64	69.086	UL-RL	0.249	6.738	0	96	0.2	0	165.086

Tabella Risultati Terreno Left Wall - Nominal - Stage 6

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 6	-0.2	2.641	0.658	ACTIVE	0.249	6.738	0	1.474	0.263	0	2.131
Stage 6	-0.4	5.653	1.408	ACTIVE	0.249	6.738	0	2.947	0.263	0	4.355
Stage 6	-0.6	8.821	2.196	ACTIVE	0.249	6.738	0	4.421	0.263	0	6.617
Stage 6	-0.8	12.293	3.061	ACTIVE	0.249	6.738	0	5.895	0.263	0	8.956
Stage 6	-1	15.767	3.926	ACTIVE	0.249	6.738	0	7.368	0.263	0	11.294
Stage 6	-1.2	18.819	4.686	ACTIVE	0.249	6.738	0	8.842	0.263	0	13.528
Stage 6	-1.4	21.786	5.425	ACTIVE	0.249	6.738	0	10.316	0.263	0	15.74
Stage 6	-1.6	24.843	6.186	ACTIVE	0.249	6.738	0	11.789	0.263	0	17.975
Stage 6	-1.8	27.721	6.903	ACTIVE	0.249	6.738	0	13.263	0.263	0	20.166
Stage 6	-2	30.701	7.645	ACTIVE	0.249	6.738	0	14.737	0.263	0	22.381
Stage 6	-2.2	33.56	8.356	ACTIVE	0.249	6.738	0	16.211	0.263	0	24.567
Stage 6	-2.4	36.518	9.093	ACTIVE	0.249	6.738	0	17.684	0.263	0	26.777
Stage 6	-2.6	39.385	11.129	UL-RL	0.249	6.738	0	19.158	0.263	0	30.287
Stage 6	-2.8	42.343	13.143	UL-RL	0.249	6.738	0	20.632	0.263	0	33.774
Stage 6	-3	45.228	15.043	UL-RL	0.249	6.738	0	22.105	0.263	0	37.148
Stage 6	-3.2	48.193	16.812	UL-RL	0.249	6.738	0	23.579	0.263	0	40.391
Stage 6	-3.4	51.096	18.363	UL-RL	0.249	6.738	0	25.053	0.263	0	43.416
Stage 6	-3.6	54.007	19.666	UL-RL	0.249	6.738	0	26.526	0.263	0	46.192
Stage 6	-3.8	56.986	20.664	UL-RL	0.249	6.738	0	28	0.263	0	48.664
Stage 6	-4	59.908	21.228	UL-RL	0.249	6.738	0	29.474	0.263	0	50.701
Stage 6	-4.2	62.889	22.17	UL-RL	0.249	6.738	0	30.947	0.263	0	53.117
Stage 6	-4.4	65.818	22.769	UL-RL	0.249	6.738	0	32.421	0.263	0	55.19
Stage 6	-4.6	68.796	23.019	UL-RL	0.249	6.738	0	33.895	0.263	0	56.914
Stage 6	-4.8	71.725	22.97	UL-RL	0.249	6.738	0	35.368	0.263	0	58.338
Stage 6	-5	74.652	23.225	UL-RL	0.249	6.738	0	36.842	0.263	0	60.067
Stage 6	-5.2	77.403	27.056	UL-RL	0.249	6.738	0	38.316	0.263	0	65.372
Stage 6	-5.4	80.161	30.069	UL-RL	0.249	6.738	0	39.789	0.263	0	69.859
Stage 6	-5.6	82.923	32.399	UL-RL	0.249	6.738	0	41.263	0.263	0	73.663
Stage 6	-5.8	85.688	34.168	UL-RL	0.249	6.738	0	42.737	0.263	0	76.905
Stage 6	-6	88.455	35.485	UL-RL	0.249	6.738	0	44.211	0.263	0	79.696
Stage 6	-6.2	91.223	36.449	UL-RL	0.249	6.738	0	45.684	0.263	0	82.133
Stage 6	-6.4	93.991	37.147	UL-RL	0.249	6.738	0	47.158	0.263	0	84.305
Stage 6	-6.6	96.997	37.657	UL-RL	0.249	6.738	0	48.632	0.263	0	86.288
Stage 6	-6.8	99.904	38.043	UL-RL	0.249	6.738	0	50.105	0.263	0	88.149
Stage 6	-7	103.372	38.363	UL-RL	0.249	6.738	0	51.579	0.263	0	89.942
Stage 6	-7.2	106.242	38.661	UL-RL	0.249	6.738	0	53.053	0.263	0	91.714
Stage 6	-7.4	109.644	38.975	UL-RL	0.249	6.738	0	54.526	0.263	0	93.501
Stage 6	-7.6	112.482	39.334	UL-RL	0.249	6.738	0	56	0.263	0	95.334
Stage 6	-7.8	115.826	39.759	UL-RL	0.249	6.738	0	57.474	0.263	0	97.233
Stage 6	-8	119.137	40.267	UL-RL	0.249	6.738	0	58.947	0.263	0	99.214
Stage 6	-8.2	121.93	40.867	UL-RL	0.249	6.738	0	60.421	0.263	0	101.288
Stage 6	-8.4	125.193	41.565	UL-RL	0.249	6.738	0	61.895	0.263	0	103.46
Stage 6	-8.6	127.964	42.362	UL-RL	0.249	6.738	0	63.368	0.263	0	105.73
Stage 6	-8.8	131.184	43.257	UL-RL	0.249	6.738	0	64.842	0.263	0	108.099
Stage 6	-9	133.936	44.247	UL-RL	0.249	6.738	0	66.316	0.263	0	110.563
Stage 6	-9.2	137.119	45.325	UL-RL	0.249	6.738	0	67.789	0.263	0	113.114
Stage 6	-9.4	139.854	46.485	UL-RL	0.249	6.738	0	69.263	0.263	0	115.748
Stage 6	-9.6	143.003	47.719	UL-RL	0.249	6.738	0	70.737	0.263	0	118.455
Stage 6	-9.8	145.723	49.018	UL-RL	0.249	6.738	0	72.21	0.263	0	121.228
Stage 6	-10	148.841	50.374	UL-RL	0.249	6.738	0	73.684	0.263	0	124.058
Stage 6	-10.2	151.548	51.778	UL-RL	0.249	6.738	0	75.158	0.263	0	126.936
Stage 6	-10.4	154.638	53.222	UL-RL	0.249	6.738	0	76.632	0.263	0	129.854
Stage 6	-10.6	157.712	54.699	UL-RL	0.249	6.738	0	78.105	0.263	0	132.804
Stage 6	-10.8	160.398	56.201	UL-RL	0.249	6.738	0	79.579	0.263	0	135.78
Stage 6	-11	163.447	57.723	UL-RL	0.249	6.738	0	81.053	0.263	0	138.775
Stage 6	-11.2	166.124	59.258	UL-RL	0.249	6.738	0	82.526	0.263	0	141.784
Stage 6	-11.4	169.151	60.802	UL-RL	0.249	6.738	0	84	0.263	0	144.802

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	-11.6	171.82	62.351	UL-RL	0.249	6.738	0	85.474	0.263	0	147.825
Stage 6	-11.8	174.826	63.903	UL-RL	0.249	6.738	0	86.947	0.263	0	150.85
Stage 6	-12	177.486	65.456	UL-RL	0.249	6.738	0	88.421	0.263	0	153.877

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 6	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 6	-5	0	0	PASSIVE	0.249	6.738	0	0	0	0	0
Stage 6	-5.2	1.474	9.81	UL-RL	0.249	6.738	0	2.526	0.263	0	12.337
Stage 6	-5.4	2.947	19.71	UL-RL	0.249	6.738	0	5.053	0.263	0	24.763
Stage 6	-5.6	4.421	29.618	UL-RL	0.249	6.738	0	7.579	0.263	0	37.197
Stage 6	-5.8	5.895	39.534	UL-RL	0.249	6.738	0	10.105	0.263	0	49.639
Stage 6	-6	7.368	40.843	UL-RL	0.249	6.738	0	12.632	0.263	0	53.474
Stage 6	-6.2	8.842	42.13	UL-RL	0.249	6.738	0	15.158	0.263	0	57.288
Stage 6	-6.4	10.316	43.475	UL-RL	0.249	6.738	0	17.684	0.263	0	61.159
Stage 6	-6.6	11.789	44.854	UL-RL	0.249	6.738	0	20.21	0.263	0	65.064
Stage 6	-6.8	13.263	46.245	UL-RL	0.249	6.738	0	22.737	0.263	0	68.982
Stage 6	-7	14.737	47.629	UL-RL	0.249	6.738	0	25.263	0.263	0	72.892
Stage 6	-7.2	16.21	48.988	UL-RL	0.249	6.738	0	27.789	0.263	0	76.778
Stage 6	-7.4	17.684	50.31	UL-RL	0.249	6.738	0	30.316	0.263	0	80.626
Stage 6	-7.6	19.158	51.584	UL-RL	0.249	6.738	0	32.842	0.263	0	84.426
Stage 6	-7.8	20.632	52.803	UL-RL	0.249	6.738	0	35.368	0.263	0	88.171
Stage 6	-8	22.105	53.961	UL-RL	0.249	6.738	0	37.895	0.263	0	91.855
Stage 6	-8.2	23.579	55.055	UL-RL	0.249	6.738	0	40.421	0.263	0	95.476
Stage 6	-8.4	25.053	56.086	UL-RL	0.249	6.738	0	42.947	0.263	0	99.034
Stage 6	-8.6	26.526	57.054	UL-RL	0.249	6.738	0	45.474	0.263	0	102.528
Stage 6	-8.8	28	57.962	UL-RL	0.249	6.738	0	48	0.263	0	105.962
Stage 6	-9	29.474	58.812	UL-RL	0.249	6.738	0	50.526	0.263	0	109.338
Stage 6	-9.2	30.947	59.609	UL-RL	0.249	6.738	0	53.053	0.263	0	112.662
Stage 6	-9.4	32.421	60.357	UL-RL	0.249	6.738	0	55.579	0.263	0	115.936
Stage 6	-9.6	33.895	61.062	UL-RL	0.249	6.738	0	58.105	0.263	0	119.167
Stage 6	-9.8	35.368	61.727	UL-RL	0.249	6.738	0	60.632	0.263	0	122.358
Stage 6	-10	36.842	62.359	UL-RL	0.249	6.738	0	63.158	0.263	0	125.516
Stage 6	-10.2	38.316	62.961	UL-RL	0.249	6.738	0	65.684	0.263	0	128.646
Stage 6	-10.4	39.789	63.54	UL-RL	0.249	6.738	0	68.21	0.263	0	131.75
Stage 6	-10.6	41.263	64.098	UL-RL	0.249	6.738	0	70.737	0.263	0	134.835
Stage 6	-10.8	42.737	64.641	UL-RL	0.249	6.738	0	73.263	0.263	0	137.904
Stage 6	-11	44.21	65.172	UL-RL	0.249	6.738	0	75.789	0.263	0	140.961
Stage 6	-11.2	45.684	65.694	UL-RL	0.249	6.738	0	78.316	0.263	0	144.009
Stage 6	-11.4	47.158	66.209	UL-RL	0.249	6.738	0	80.842	0.263	0	147.051
Stage 6	-11.6	48.632	66.72	UL-RL	0.249	6.738	0	83.368	0.263	0	150.088
Stage 6	-11.8	50.105	67.228	UL-RL	0.249	6.738	0	85.895	0.263	0	153.123
Stage 6	-12	51.579	67.735	UL-RL	0.249	6.738	0	88.421	0.263	0	156.156

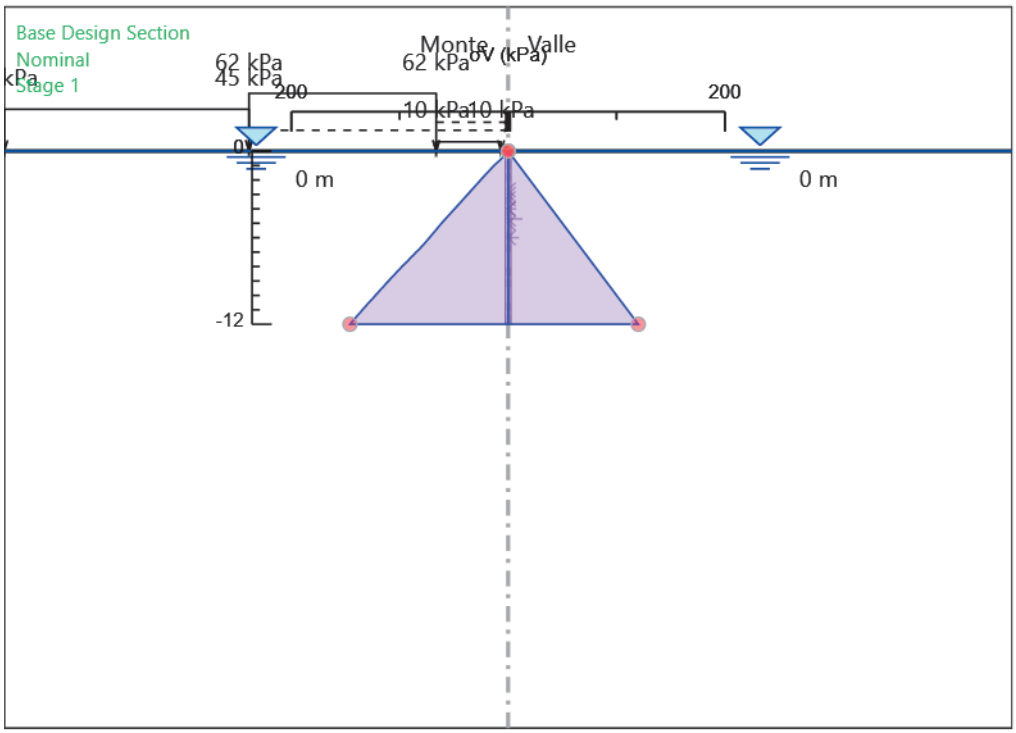
Tabella Risultati Terreno Left Wall - Nominal - Stage 7

Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	0	0	0	ACTIVE	0.249	6.738	0	0	0	0	0
Stage 7	-0.2	2.781	0.728	UL-RL	0.249	6.738	0	1.333	0.333	0	2.062
Stage 7	-0.4	5.934	1.53	UL-RL	0.249	6.738	0	2.667	0.333	0	4.196
Stage 7	-0.6	9.242	2.37	UL-RL	0.249	6.738	0	4	0.333	0	6.37
Stage 7	-0.8	12.855	3.286	UL-RL	0.249	6.738	0	5.333	0.333	0	8.619
Stage 7	-1	16.468	4.202	UL-RL	0.249	6.738	0	6.667	0.333	0	10.868
Stage 7	-1.2	19.661	5.013	UL-RL	0.249	6.738	0	8	0.333	0	13.013
Stage 7	-1.4	22.768	5.802	UL-RL	0.249	6.738	0	9.333	0.333	0	15.136
Stage 7	-1.6	25.966	6.614	UL-RL	0.249	6.738	0	10.667	0.333	0	17.281
Stage 7	-1.8	28.984	7.381	UL-RL	0.249	6.738	0	12	0.333	0	19.381
Stage 7	-2	32.105	8.173	UL-RL	0.249	6.738	0	13.333	0.333	0	21.506
Stage 7	-2.2	35.104	9.286	UL-RL	0.249	6.738	0	14.667	0.333	0	23.952
Stage 7	-2.4	38.202	17.113	UL-RL	0.249	6.738	0	16	0.333	0	33.113
Stage 7	-2.6	41.21	26.245	UL-RL	0.249	6.738	0	17.333	0.333	0	43.578
Stage 7	-2.8	44.308	31.519	UL-RL	0.249	6.738	0	18.667	0.333	0	50.186
Stage 7	-3	47.333	35.743	UL-RL	0.249	6.738	0	20	0.333	0	55.743
Stage 7	-3.2	50.439	39.879	UL-RL	0.249	6.738	0	21.333	0.333	0	61.212
Stage 7	-3.4	53.482	43.893	UL-RL	0.249	6.738	0	22.667	0.333	0	66.56
Stage 7	-3.6	56.534	47.773	UL-RL	0.249	6.738	0	24	0.333	0	71.773
Stage 7	-3.8	59.652	51.493	UL-RL	0.249	6.738	0	25.333	0.333	0	76.827
Stage 7	-4	62.715	54.874	UL-RL	0.249	6.738	0	26.667	0.333	0	81.541
Stage 7	-4.2	65.837	58.276	UL-RL	0.249	6.738	0	28	0.333	0	86.276
Stage 7	-4.4	68.905	61.412	UL-RL	0.249	6.738	0	29.333	0.333	0	90.745
Stage 7	-4.6	72.024	64.191	UL-RL	0.249	6.738	0	30.667	0.333	0	94.858
Stage 7	-4.8	75.093	66.538	UL-RL	0.249	6.738	0	32	0.333	0	98.538
Stage 7	-5	78.161	68.579	V-C	0.249	6.738	0	33.333	0.333	0	101.912
Stage 7	-5.2	81.053	71.414	V-C	0.249	6.738	0	34.667	0.333	0	106.081
Stage 7	-5.4	83.95	73.593	V-C	0.249	6.738	0	36	0.333	0	109.593
Stage 7	-5.6	86.853	75.168	V-C	0.249	6.738	0	37.333	0.333	0	112.501
Stage 7	-5.8	89.758	76.18	V-C	0.249	6.738	0	38.667	0.333	0	114.846
Stage 7	-6	92.666	76.658	V-C	0.249	6.738	0	40	0.333	0	116.658
Stage 7	-6.2	95.574	76.641	V-C	0.249	6.738	0	41.333	0.333	0	117.975
Stage 7	-6.4	98.482	76.219	V-C	0.249	6.738	0	42.667	0.333	0	118.886
Stage 7	-6.6	101.628	75.486	V-C	0.249	6.738	0	44	0.333	0	119.486
Stage 7	-6.8	104.676	74.528	V-C	0.249	6.738	0	45.333	0.333	0	119.861
Stage 7	-7	108.284	73.418	V-C	0.249	6.738	0	46.667	0.333	0	120.084
Stage 7	-7.2	111.295	72.219	V-C	0.249	6.738	0	48	0.333	0	120.22
Stage 7	-7.4	114.837	70.987	V-C	0.249	6.738	0	49.333	0.333	0	120.32
Stage 7	-7.6	117.816	69.766	V-C	0.249	6.738	0	50.667	0.333	0	120.432
Stage 7	-7.8	121.3	68.592	V-C	0.249	6.738	0	52	0.333	0	120.592
Stage 7	-8	124.751	67.496	V-C	0.249	6.738	0	53.333	0.333	0	120.829
Stage 7	-8.2	127.684	66.499	V-C	0.249	6.738	0	54.667	0.333	0	121.165
Stage 7	-8.4	131.087	65.618	V-C	0.249	6.738	0	56	0.333	0	121.618
Stage 7	-8.6	133.999	64.863	V-C	0.249	6.738	0	57.333	0.333	0	122.197
Stage 7	-8.8	137.36	64.242	V-C	0.249	6.738	0	58.667	0.333	0	122.908
Stage 7	-9	140.252	61.552	UL-RL	0.249	6.738	0	60	0.333	0	121.552
Stage 7	-9.2	143.575	58.697	UL-RL	0.249	6.738	0	61.333	0.333	0	120.03
Stage 7	-9.4	146.451	56.227	UL-RL	0.249	6.738	0	62.667	0.333	0	118.894
Stage 7	-9.6	149.74	54.118	UL-RL	0.249	6.738	0	64	0.333	0	118.118
Stage 7	-9.8	152.6	52.341	UL-RL	0.249	6.738	0	65.333	0.333	0	117.674
Stage 7	-10	155.859	50.862	UL-RL	0.249	6.738	0	66.667	0.333	0	117.528
Stage 7	-10.2	158.706	49.643	UL-RL	0.249	6.738	0	68	0.333	0	117.643
Stage 7	-10.4	161.937	48.649	UL-RL	0.249	6.738	0	69.333	0.333	0	117.982
Stage 7	-10.6	165.15	47.84	UL-RL	0.249	6.738	0	70.667	0.333	0	118.507
Stage 7	-10.8	167.977	47.181	UL-RL	0.249	6.738	0	72	0.333	0	119.181
Stage 7	-11	171.167	46.637	UL-RL	0.249	6.738	0	73.333	0.333	0	119.97
Stage 7	-11.2	173.984	46.176	UL-RL	0.249	6.738	0	74.667	0.333	0	120.843
Stage 7	-11.4	177.151	45.771	UL-RL	0.249	6.738	0	76	0.333	0	121.771

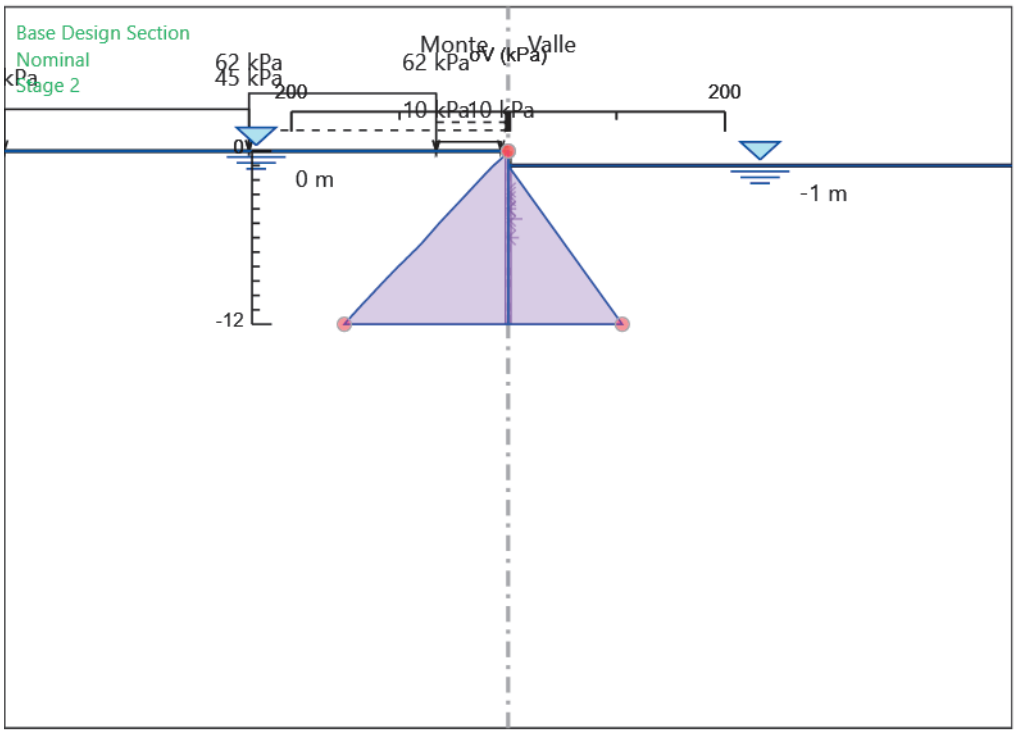
Design Assumption: Nominal		Risultati Terreno	Muro:	LEFT		Lato	LEFT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	-11.6	179.96	45.4	UL-RL	0.249	6.738	0	77.333	0.333	0	122.733
Stage 7	-11.8	183.107	45.594	ACTIVE	0.249	6.738	0	78.667	0.333	0	124.26
Stage 7	-12	185.908	46.291	ACTIVE	0.249	6.738	0	80	0.333	0	126.291

Design Assumption: Nominal	Risultati Terreno		Muro:	LEFT		Lato	RIGHT				
Stage	Z (m)	Sigma V (kPa)	Sigma H (kPa)	Stato	Ka	Kp	Coesione (kPa)	Pore (kPa)	Gradiente	U* (kPa)	Peq (kPa)
Stage 7	0	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-0.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-1.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-2.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-3.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-4.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-5	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-5.2	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-5.4	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-5.6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-5.8	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-6	0	0	REMOVED	0	0	0	0	0	0	0
Stage 7	-6.2	1.333	0.332	ACTIVE	0.249	6.738	0	2.667	0.333	0	2.999
Stage 7	-6.4	2.667	0.664	ACTIVE	0.249	6.738	0	5.333	0.333	0	5.997
Stage 7	-6.6	4	0.996	ACTIVE	0.249	6.738	0	8	0.333	0	8.996
Stage 7	-6.8	5.333	1.328	ACTIVE	0.249	6.738	0	10.667	0.333	0	11.995
Stage 7	-7	6.667	8.513	UL-RL	0.249	6.738	0	13.333	0.333	0	21.847
Stage 7	-7.2	8	12.962	UL-RL	0.249	6.738	0	16	0.333	0	28.962
Stage 7	-7.4	9.333	17.381	UL-RL	0.249	6.738	0	18.667	0.333	0	36.048
Stage 7	-7.6	10.667	21.722	UL-RL	0.249	6.738	0	21.333	0.333	0	43.055
Stage 7	-7.8	12	25.939	UL-RL	0.249	6.738	0	24	0.333	0	49.939
Stage 7	-8	13.333	29.998	UL-RL	0.249	6.738	0	26.667	0.333	0	56.664
Stage 7	-8.2	14.667	33.872	UL-RL	0.249	6.738	0	29.333	0.333	0	63.205
Stage 7	-8.4	16	37.541	UL-RL	0.249	6.738	0	32	0.333	0	69.541
Stage 7	-8.6	17.333	40.995	UL-RL	0.249	6.738	0	34.667	0.333	0	75.662
Stage 7	-8.8	18.667	44.228	UL-RL	0.249	6.738	0	37.333	0.333	0	81.561
Stage 7	-9	20	47.24	UL-RL	0.249	6.738	0	40	0.333	0	87.24
Stage 7	-9.2	21.333	50.038	UL-RL	0.249	6.738	0	42.667	0.333	0	92.704
Stage 7	-9.4	22.667	52.631	UL-RL	0.249	6.738	0	45.333	0.333	0	97.964
Stage 7	-9.6	24	55.033	UL-RL	0.249	6.738	0	48	0.333	0	103.033
Stage 7	-9.8	25.333	57.261	UL-RL	0.249	6.738	0	50.667	0.333	0	107.927
Stage 7	-10	26.667	59.331	UL-RL	0.249	6.738	0	53.333	0.333	0	112.665
Stage 7	-10.2	28	61.265	UL-RL	0.249	6.738	0	56	0.333	0	117.265
Stage 7	-10.4	29.333	63.08	UL-RL	0.249	6.738	0	58.667	0.333	0	121.747
Stage 7	-10.6	30.667	64.797	UL-RL	0.249	6.738	0	61.333	0.333	0	126.13
Stage 7	-10.8	32	66.435	UL-RL	0.249	6.738	0	64	0.333	0	130.435
Stage 7	-11	33.333	68.011	UL-RL	0.249	6.738	0	66.667	0.333	0	134.677
Stage 7	-11.2	34.667	69.541	UL-RL	0.249	6.738	0	69.333	0.333	0	138.874
Stage 7	-11.4	36	71.041	UL-RL	0.249	6.738	0	72	0.333	0	143.04
Stage 7	-11.6	37.333	72.521	UL-RL	0.249	6.738	0	74.667	0.333	0	147.187
Stage 7	-11.8	38.667	73.99	UL-RL	0.249	6.738	0	77.333	0.333	0	151.323
Stage 7	-12	40	75.455	UL-RL	0.249	6.738	0	80	0.333	0	155.455

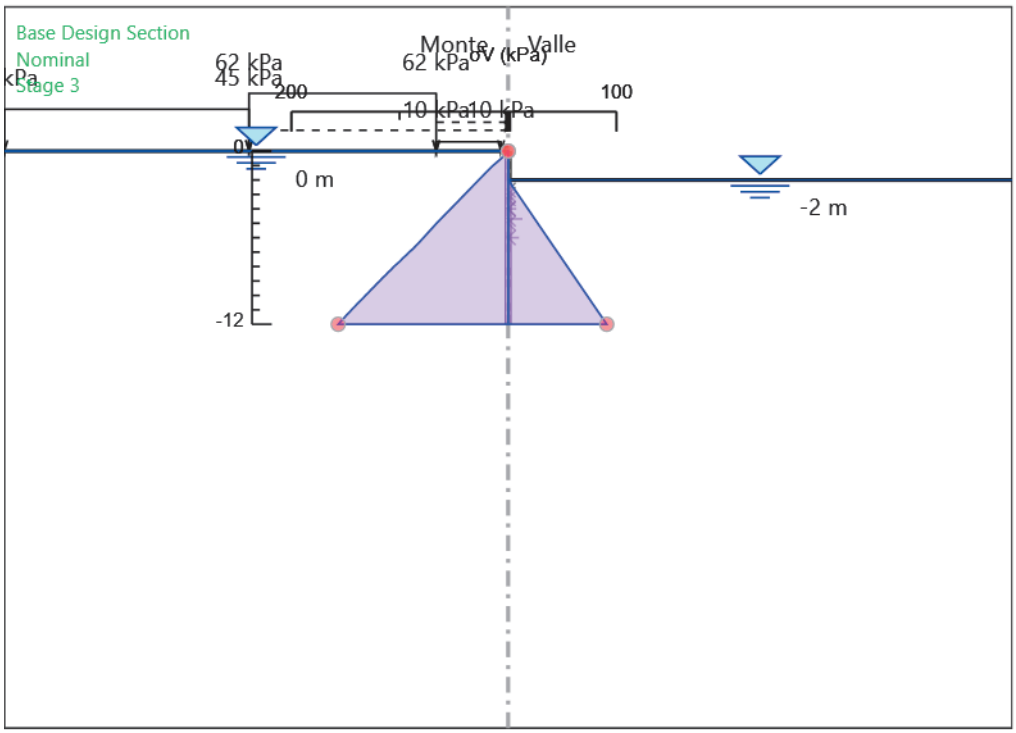
Grafico Risultati Terreno Sigma V



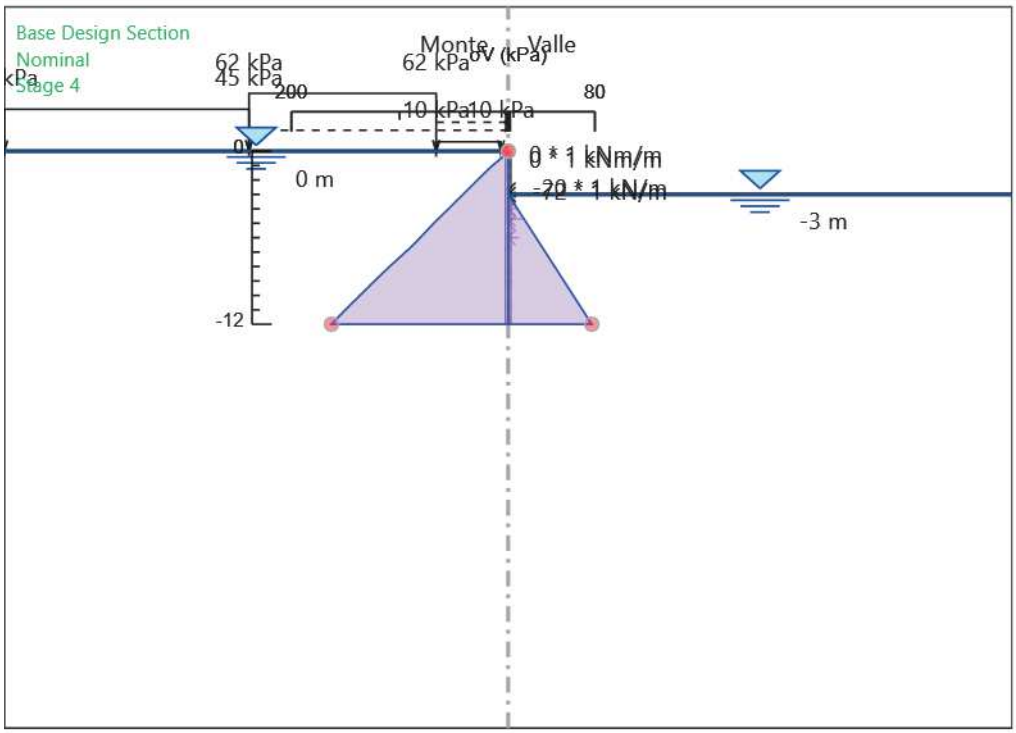
Design Assumption: Nominal
Stage: Stage 1
Sigma V



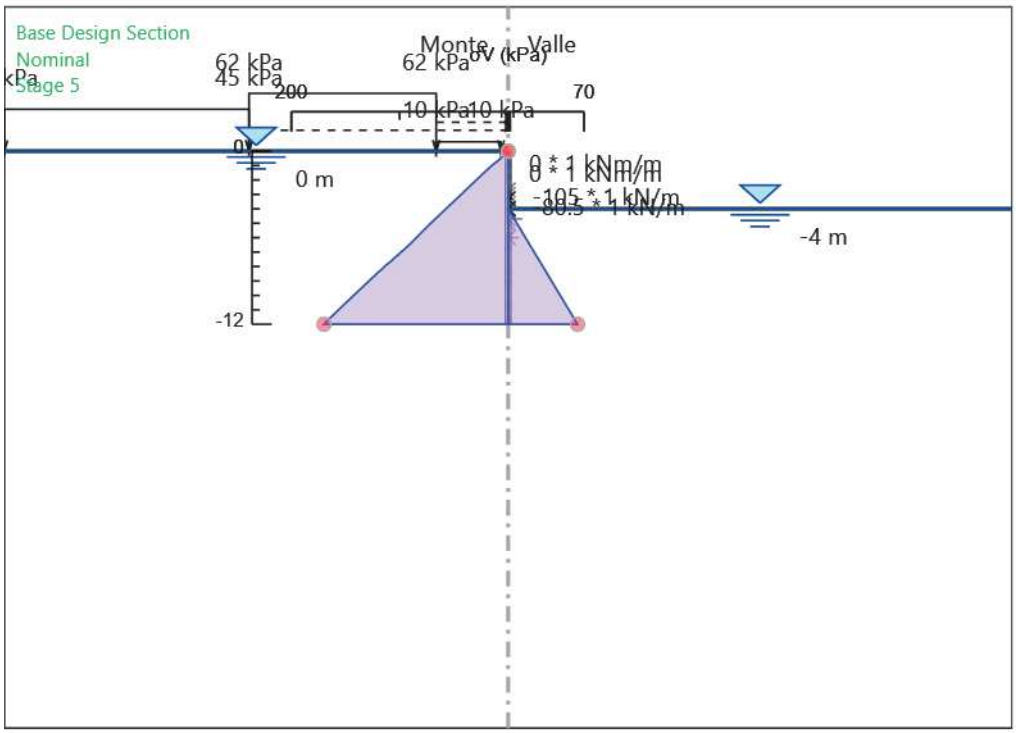
Design Assumption: Nominal
Stage: Stage 2
Sigma V



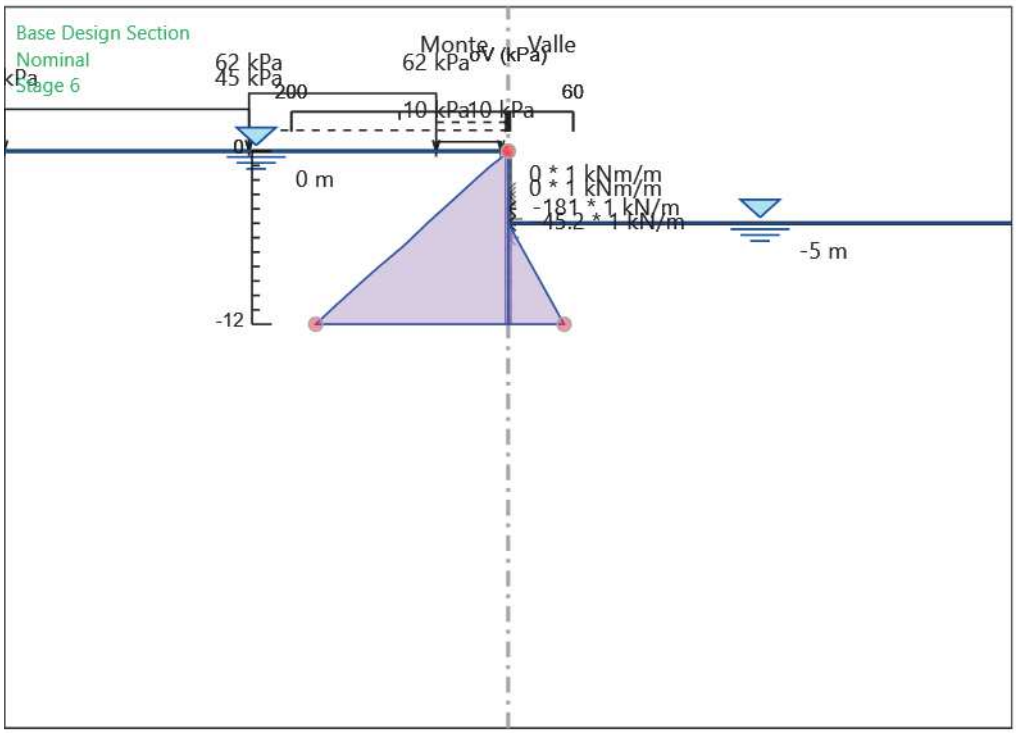
Design Assumption: Nominal
Stage: Stage 3
Sigma V



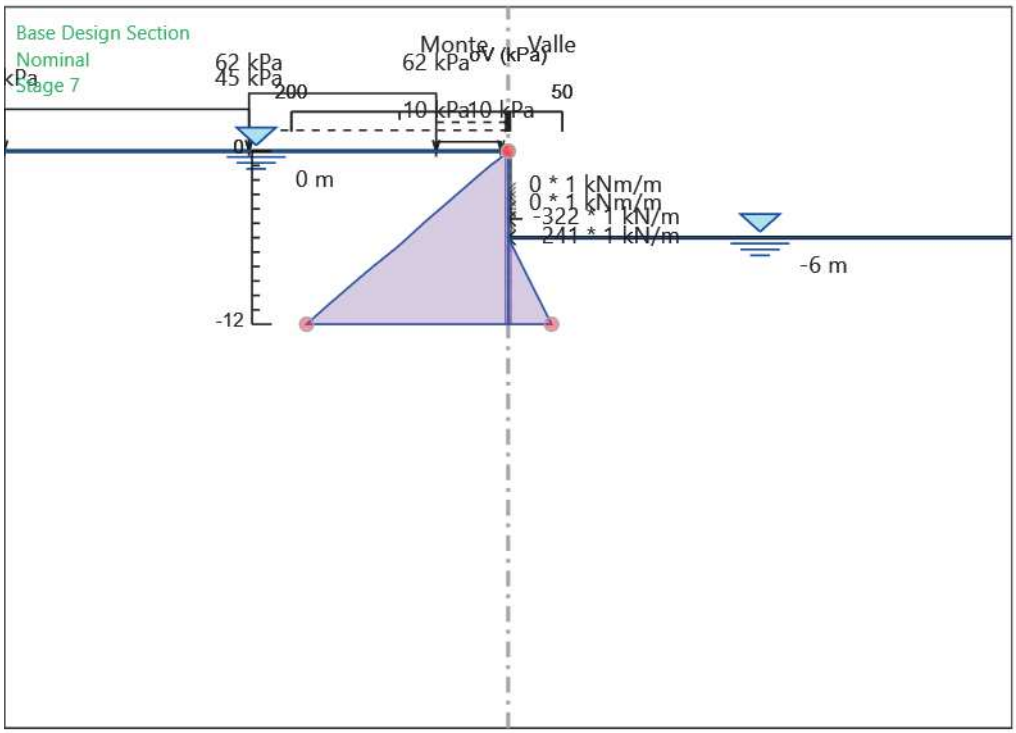
Design Assumption: Nominal
Stage: Stage 4
Sigma V



Design Assumption: Nominal
Stage: Stage 5
Sigma V

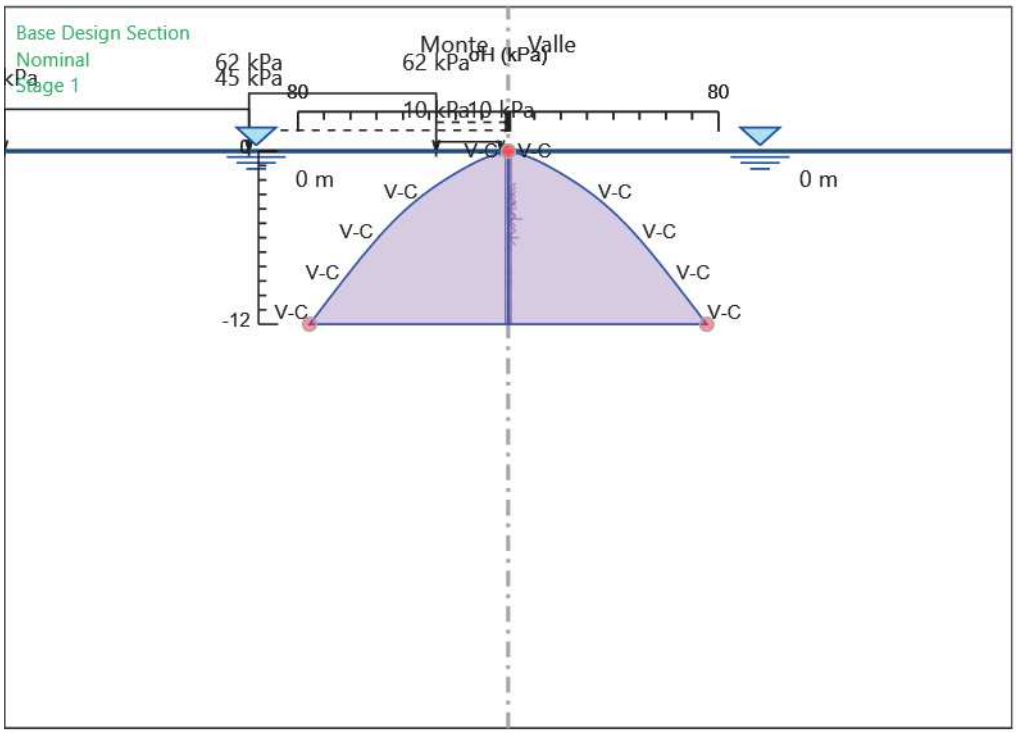


Design Assumption: Nominal
Stage: Stage 6
Sigma V

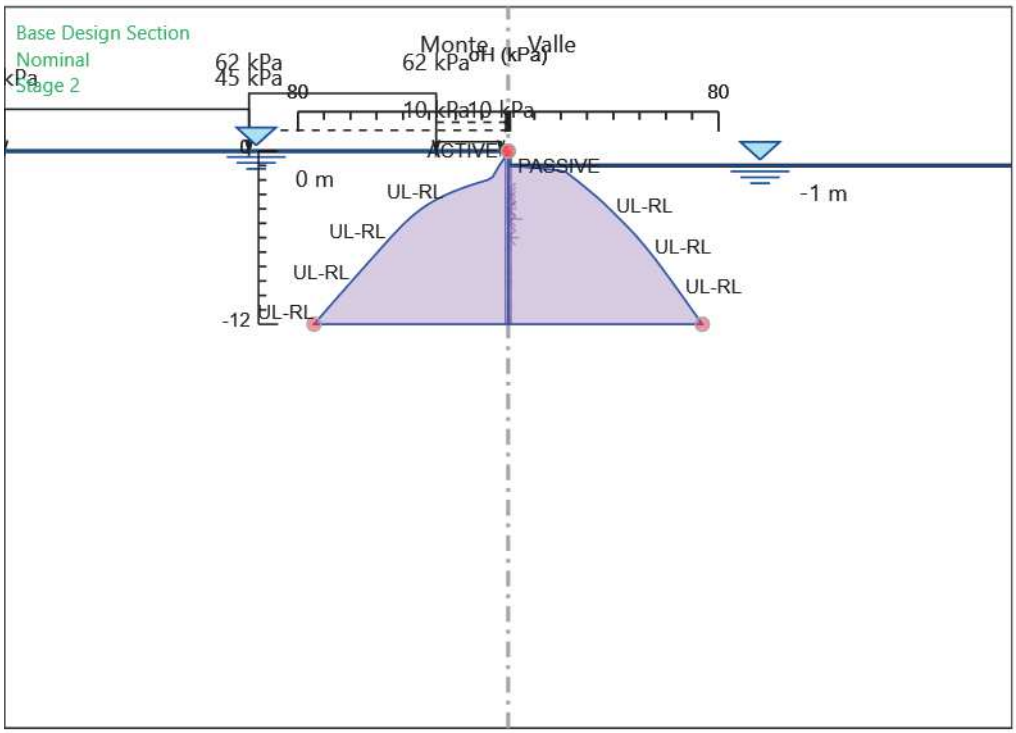


Design Assumption: Nominal
Stage: Stage 7
Sigma V

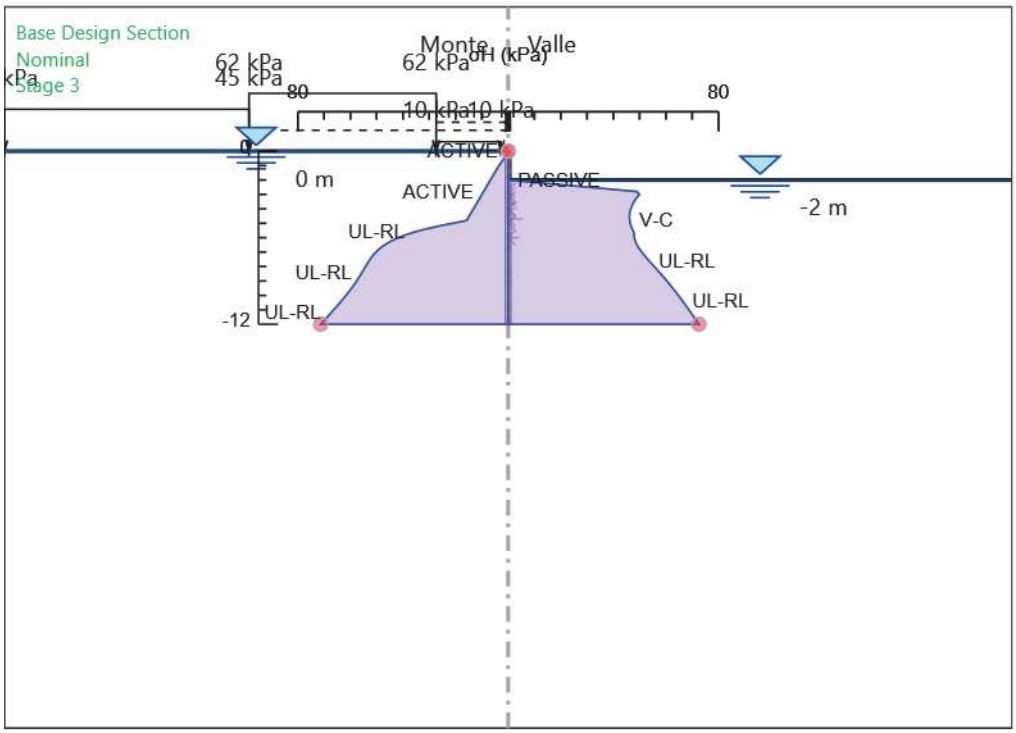
Grafico Risultati Terreno Sigma H



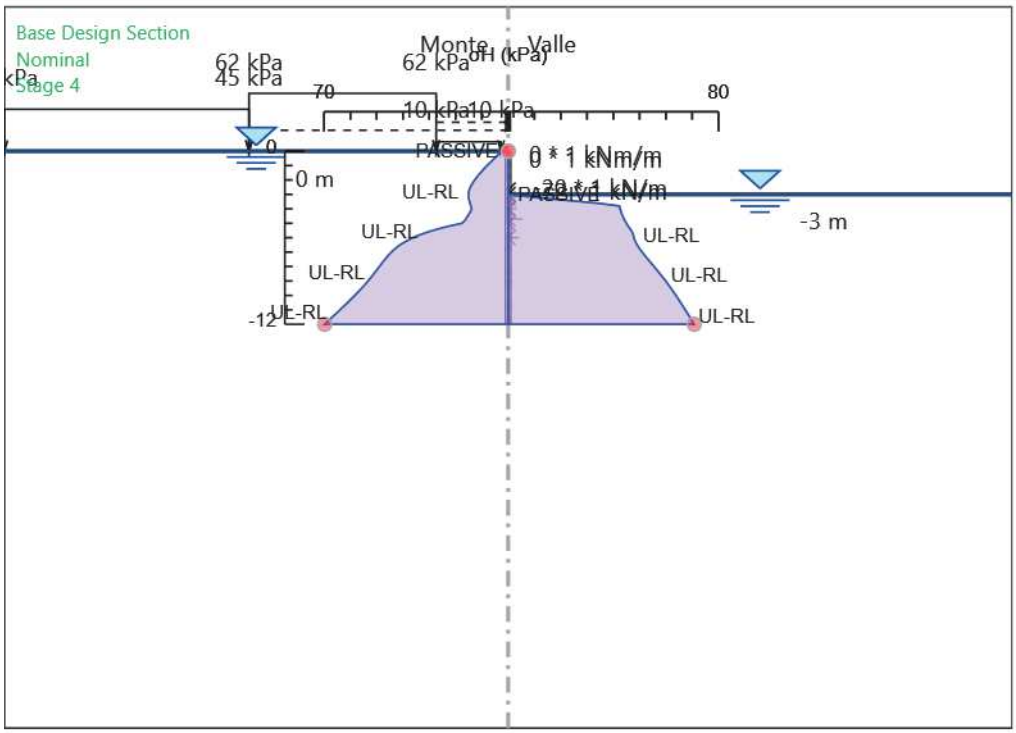
Design Assumption: Nominal
Stage: Stage 1
Sigma H



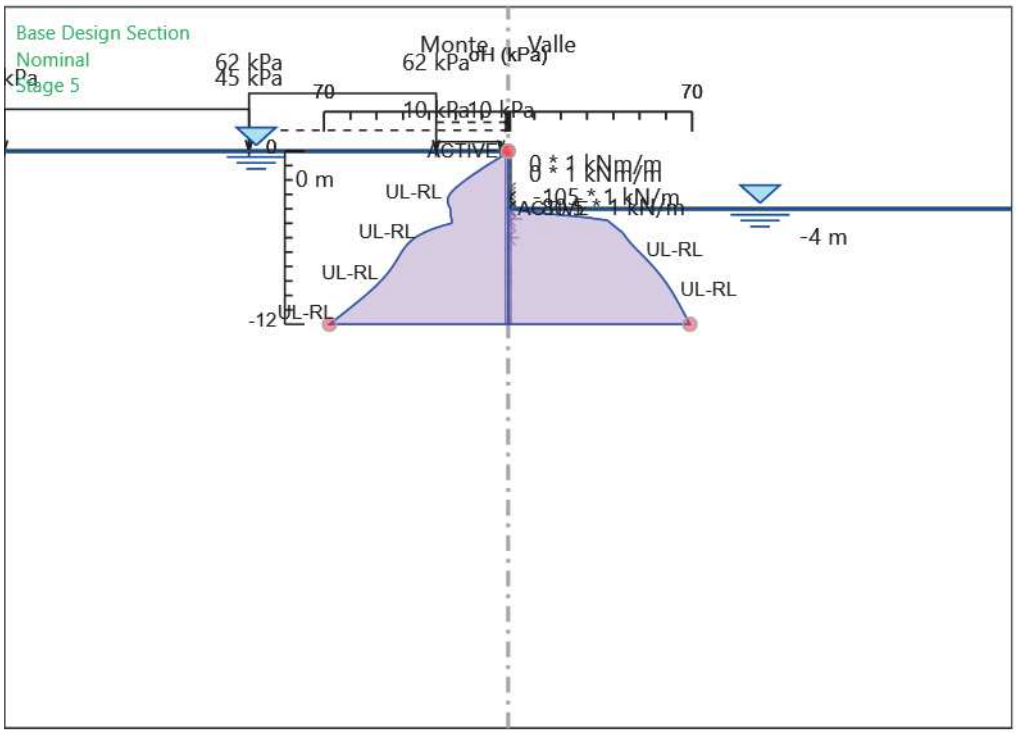
Design Assumption: Nominal
Stage: Stage 2
Sigma H



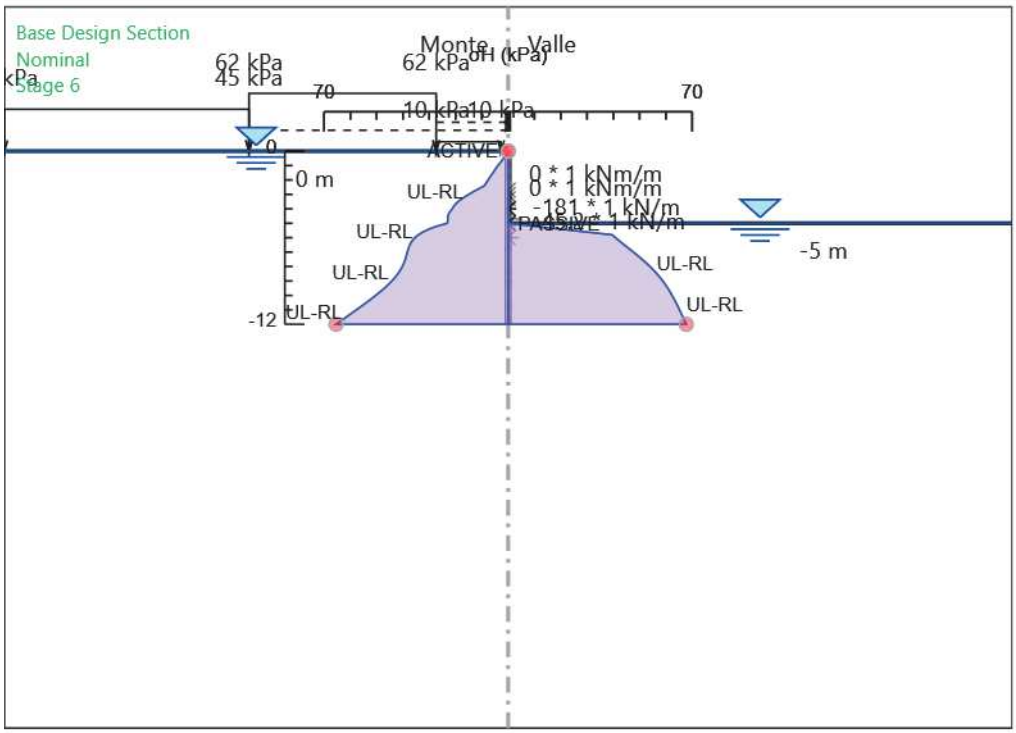
Design Assumption: Nominal
Stage: Stage 3
Sigma H



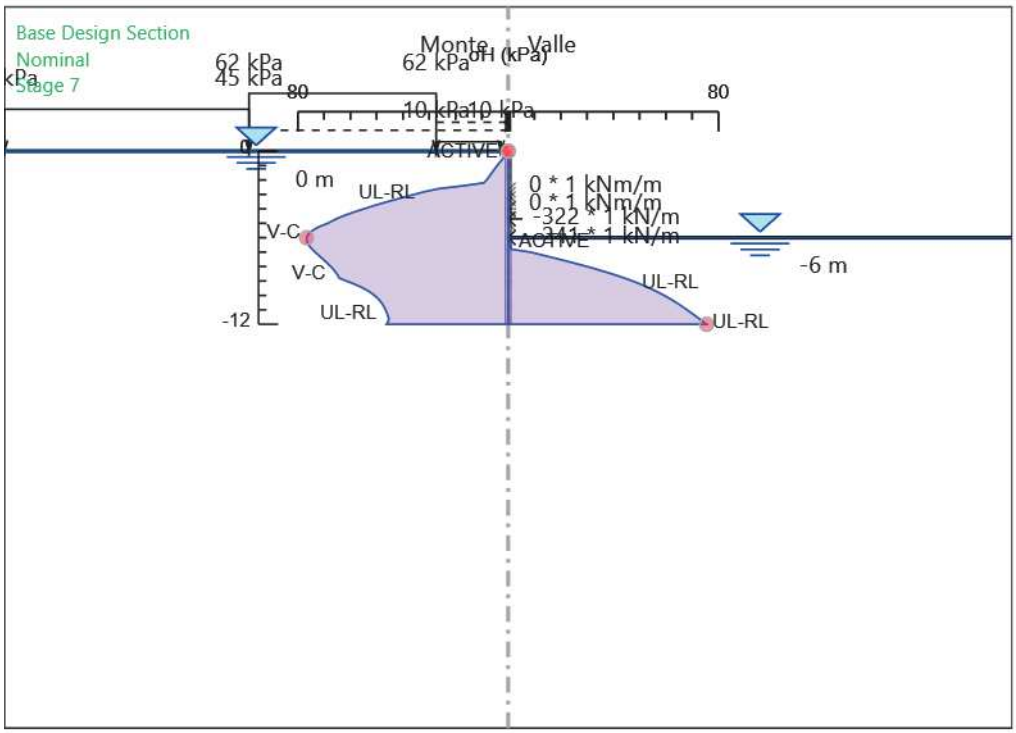
Design Assumption: Nominal
Stage: Stage 4
Sigma H



Design Assumption: Nominal
Stage: Stage 5
Sigma H

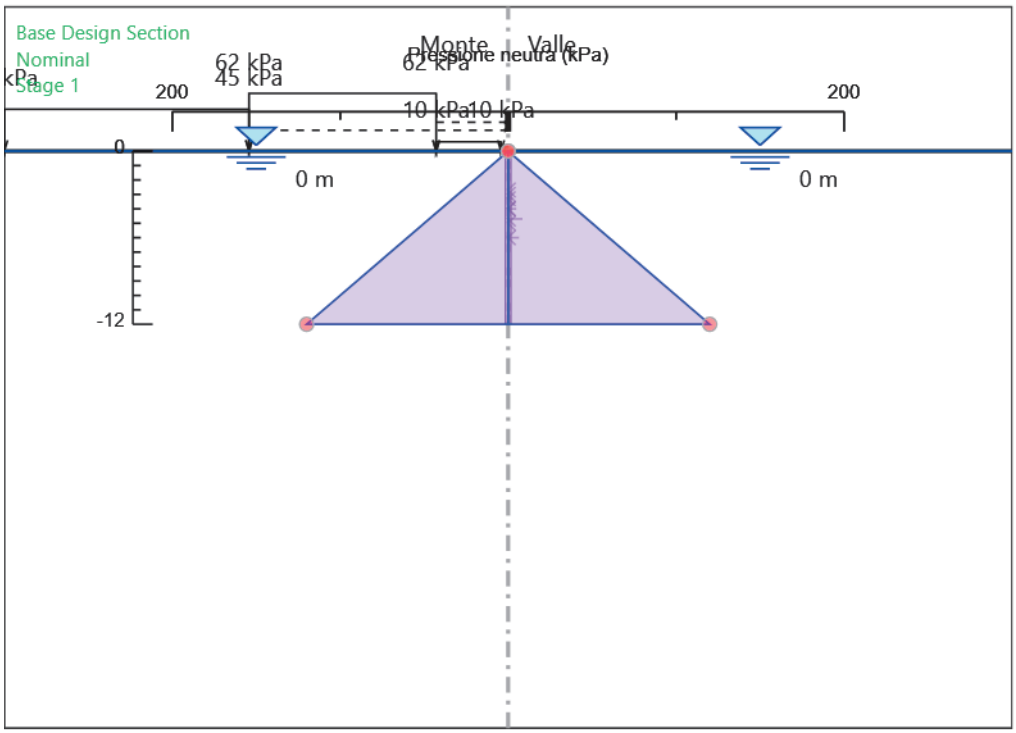


Design Assumption: Nominal
Stage: Stage 6
Sigma H

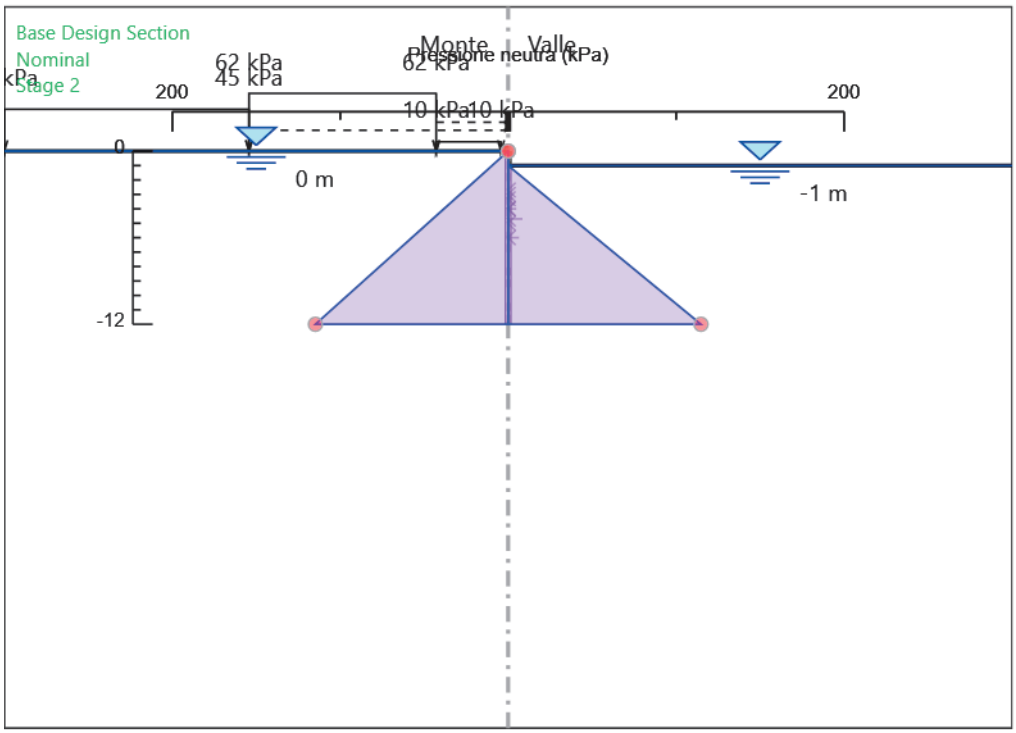


Design Assumption: Nominal
Stage: Stage 7
Sigma H

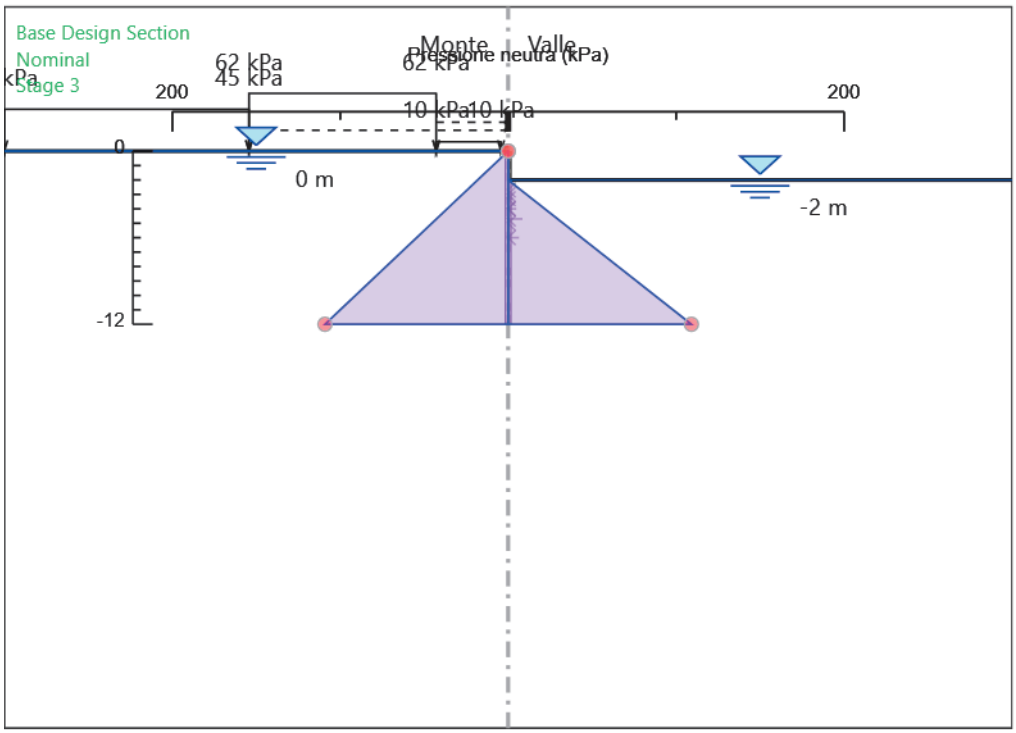
Grafico Risultati Terreno Pressione neutra



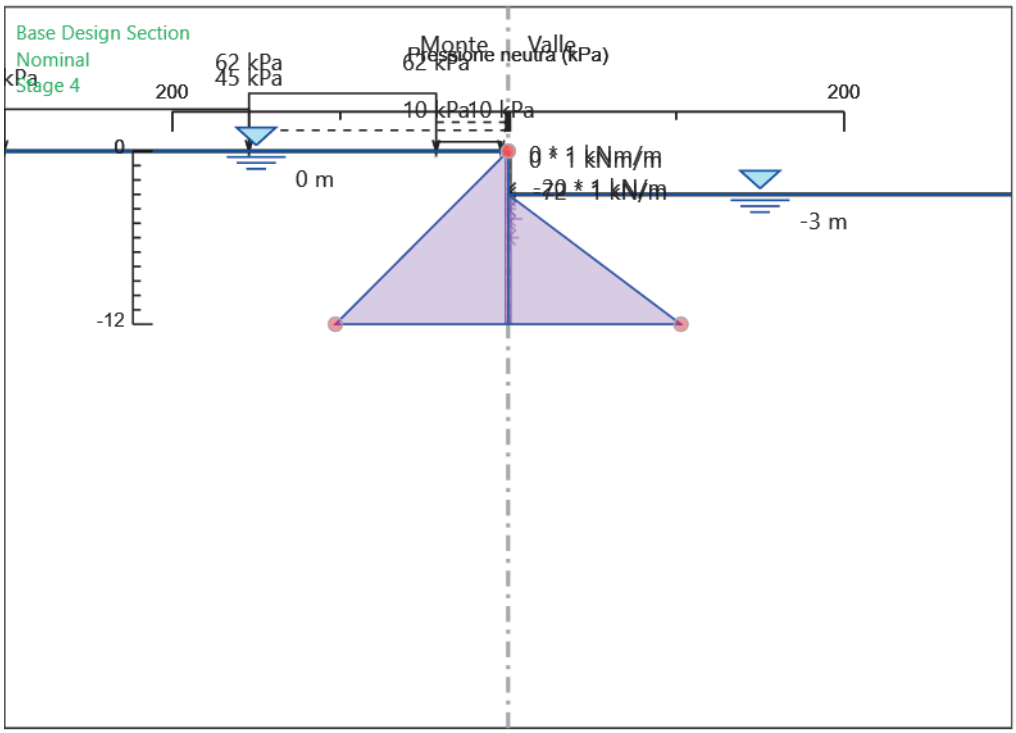
Design Assumption: Nominal
Stage: Stage 1
Pressione neutra



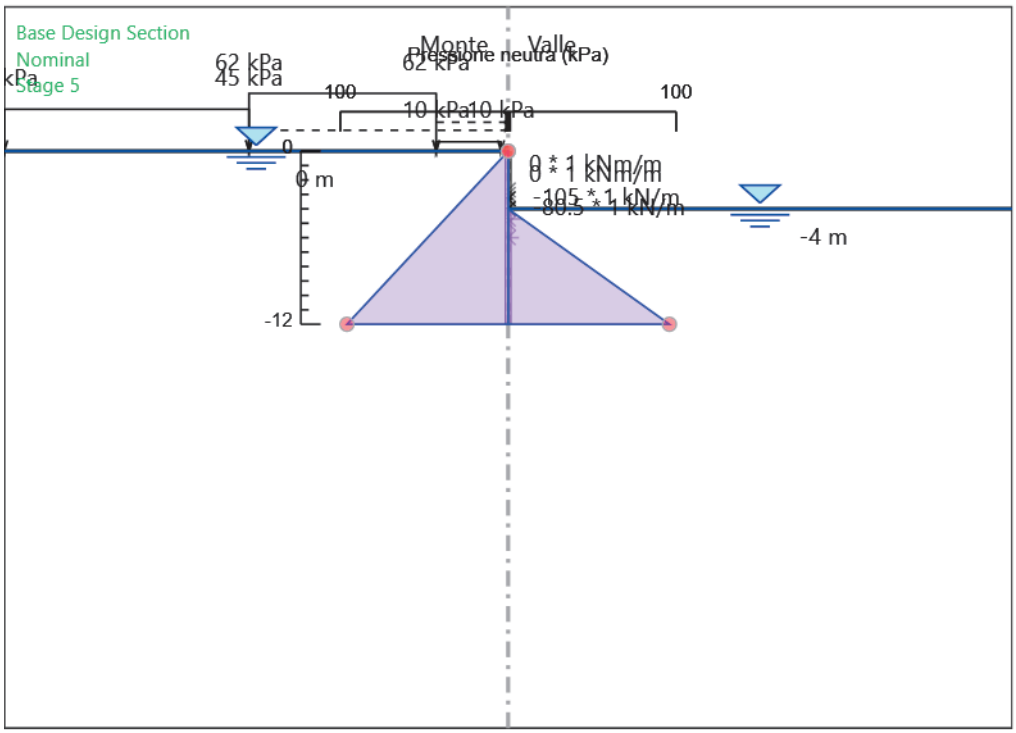
Design Assumption: Nominal
Stage: Stage 2
Pressione neutra



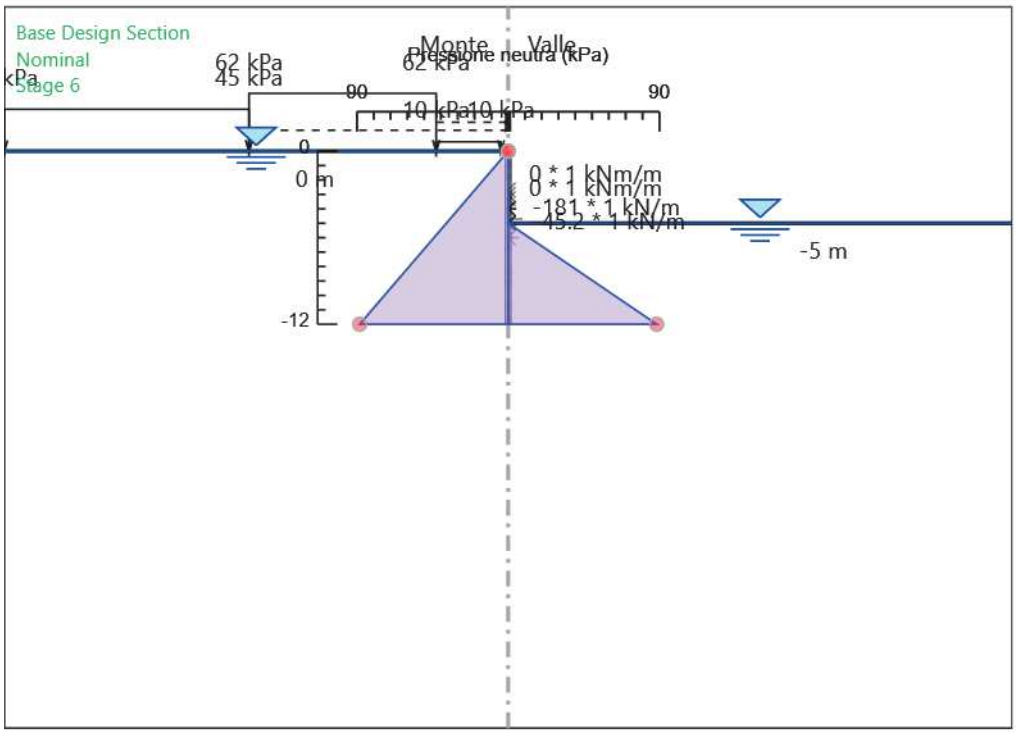
Design Assumption: Nominal
Stage: Stage 3
Pressione neutra



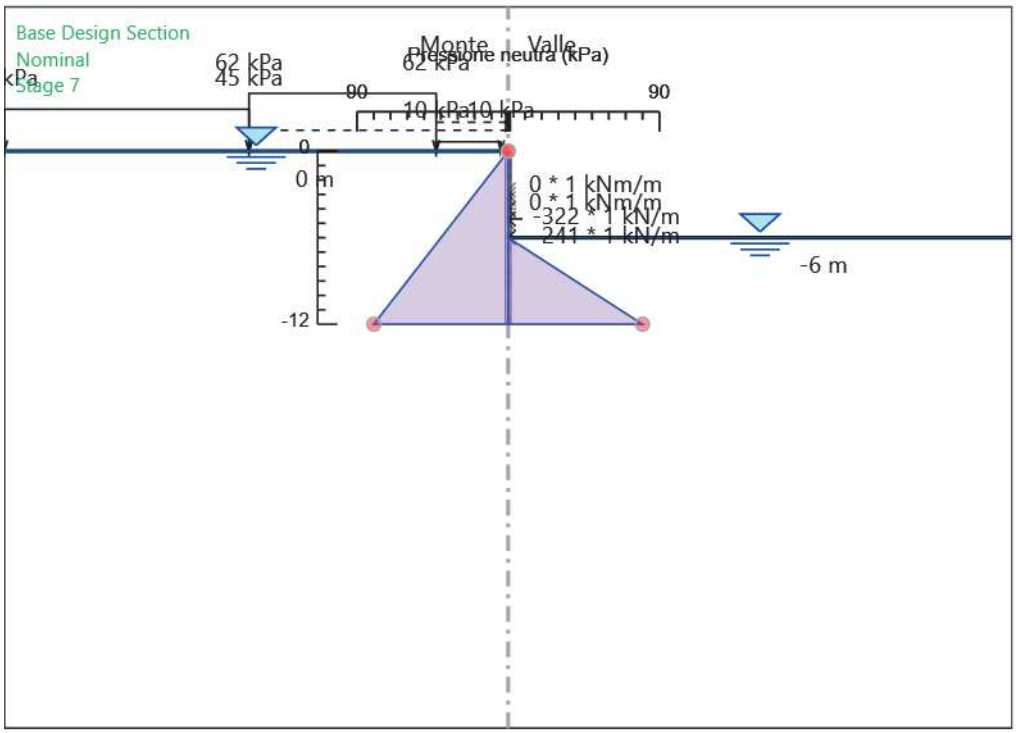
Design Assumption: Nominal
Stage: Stage 4
Pressione neutra



Design Assumption: Nominal
Stage: Stage 5
Pressione neutra

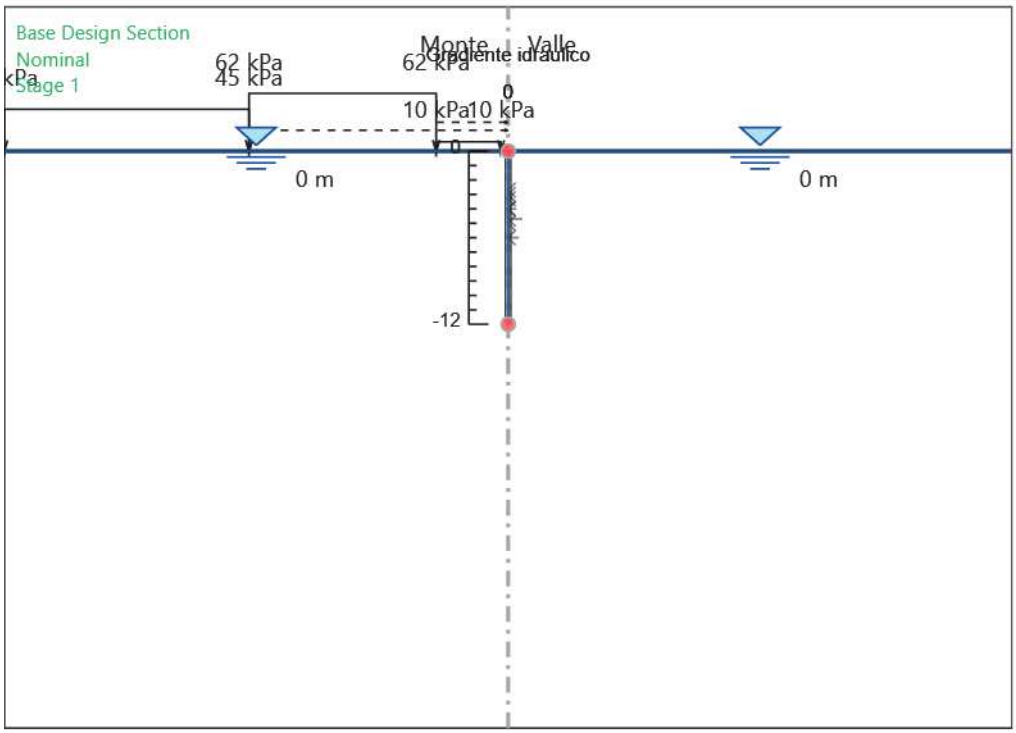


Design Assumption: Nominal
Stage: Stage 6
Pressione neutra

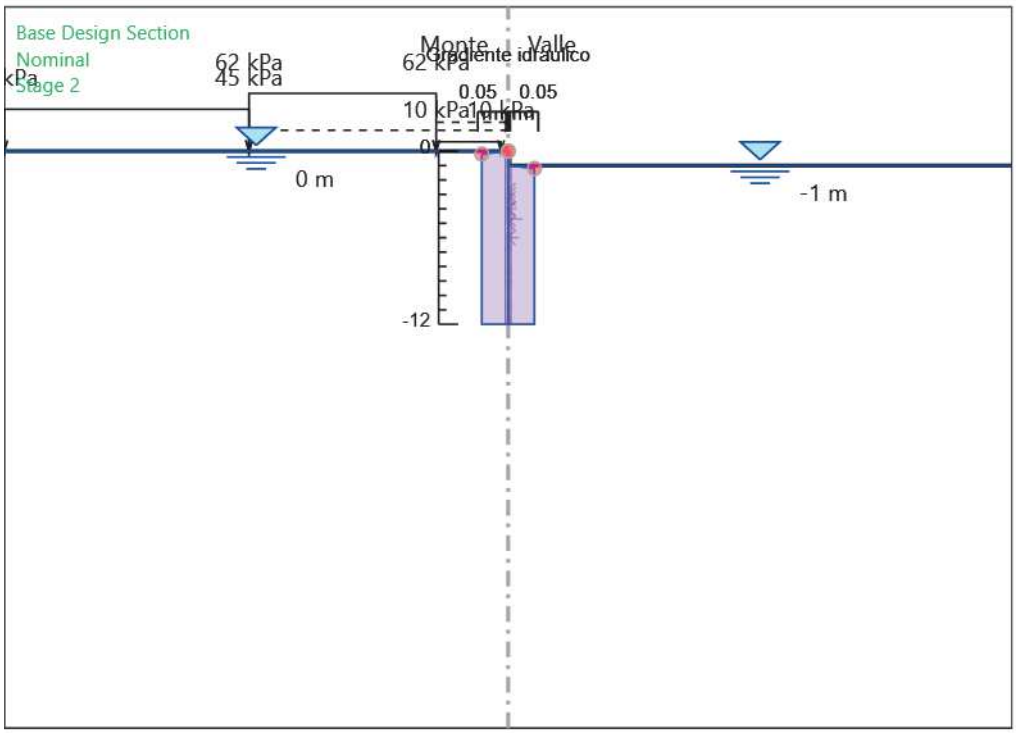


Design Assumption: Nominal
Stage: Stage 7
Pressione neutra

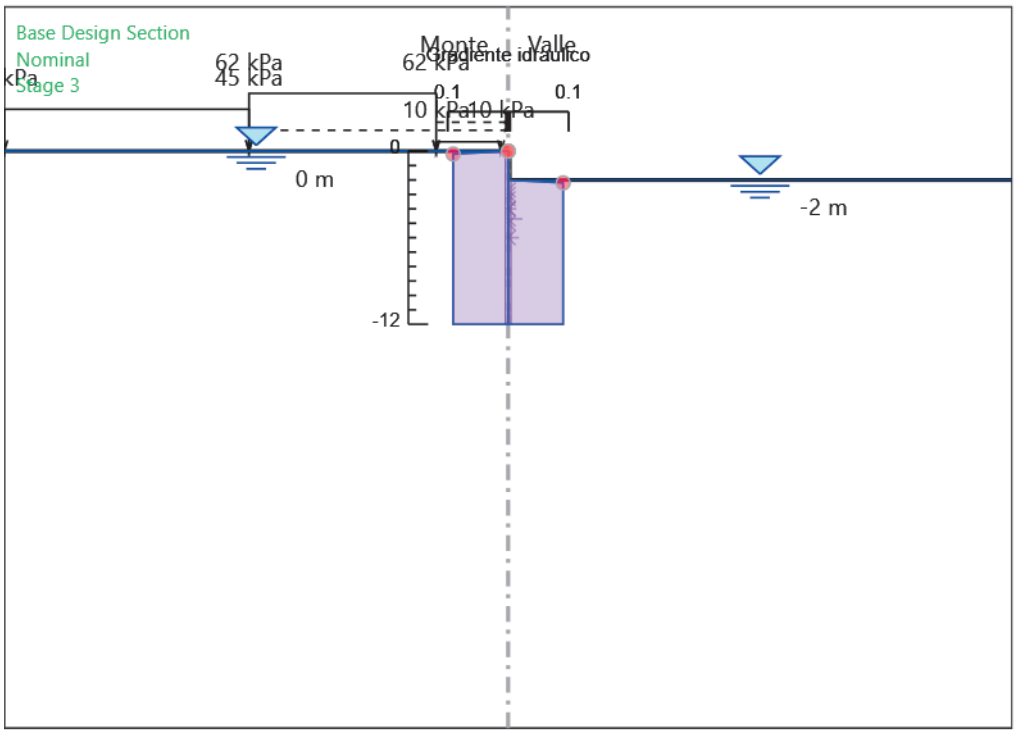
Grafico Risultati Terreno Gradiente idraulico



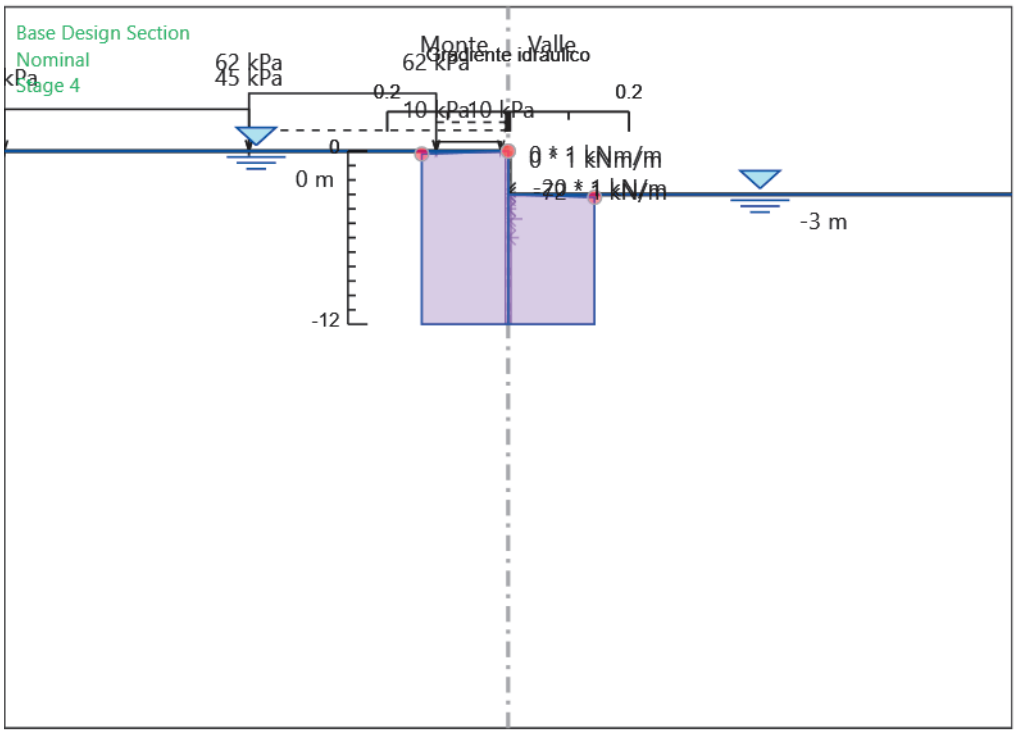
Design Assumption: Nominal
Stage: Stage 1
Gradiente idraulico



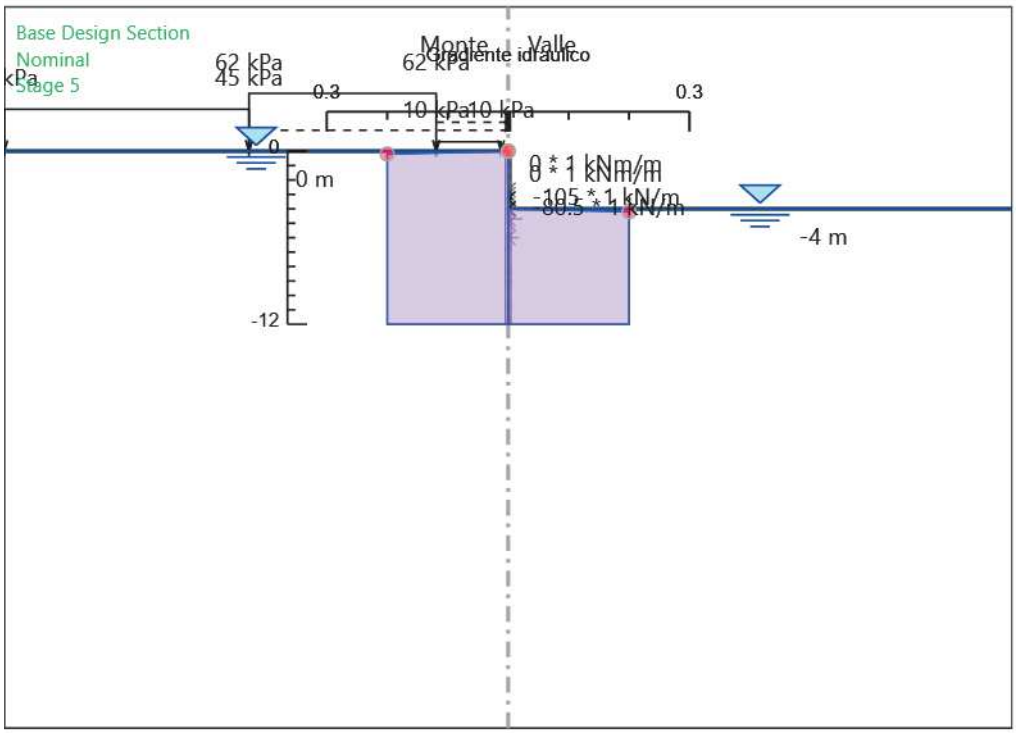
Design Assumption: Nominal
Stage: Stage 2
Gradiente idraulico



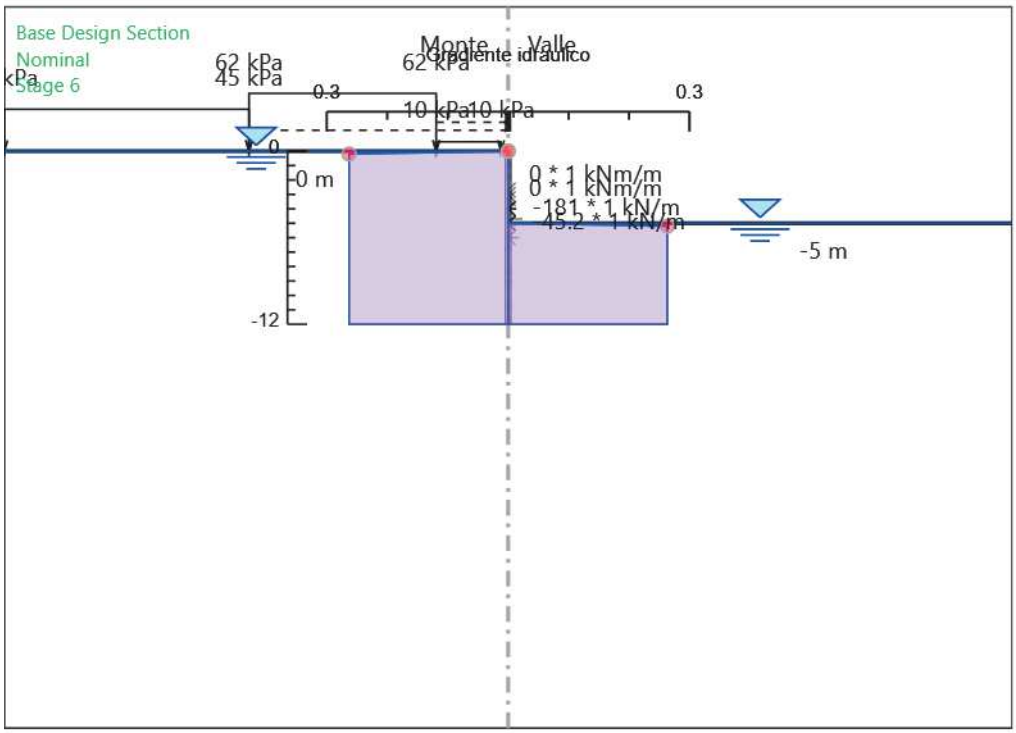
Design Assumption: Nominal
Stage: Stage 3
Gradiente idraulico



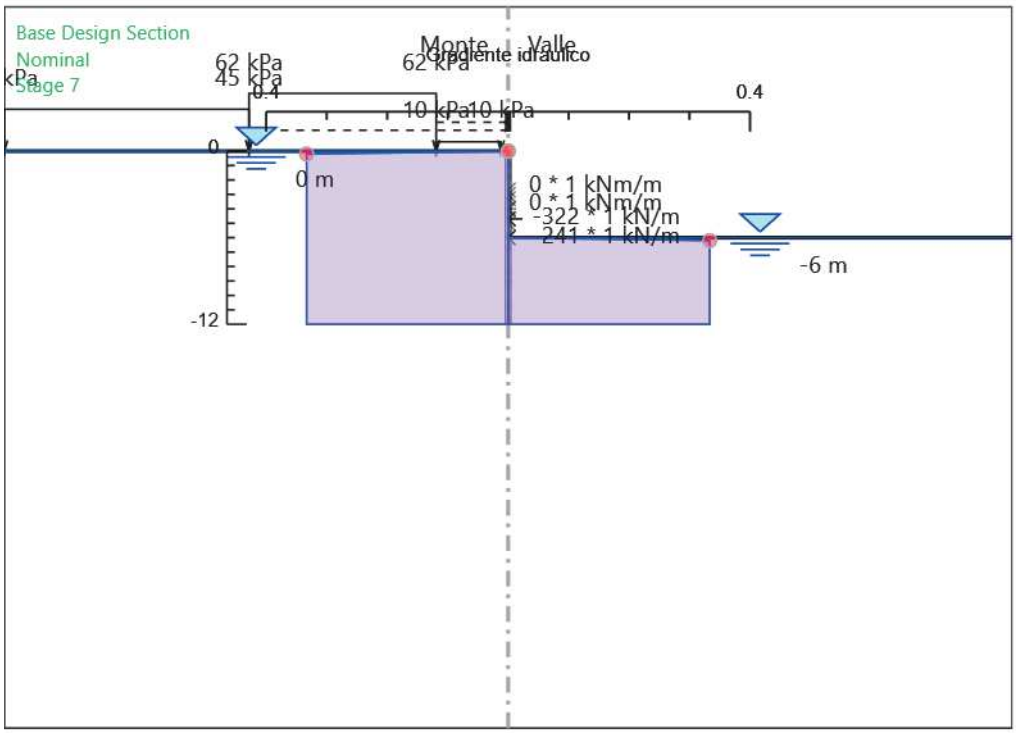
Design Assumption: Nominal
Stage: Stage 4
Gradiente idraulico



Design Assumption: Nominal
Stage: Stage 5
Gradiente idraulico

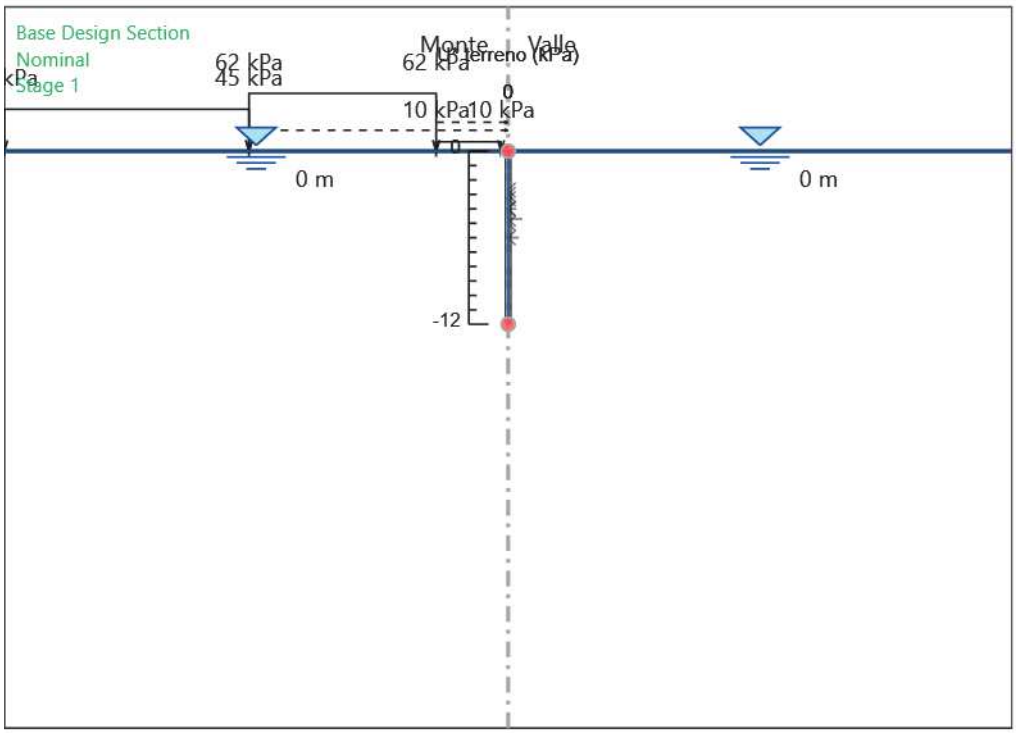


Design Assumption: Nominal
Stage: Stage 6
Gradiente idraulico

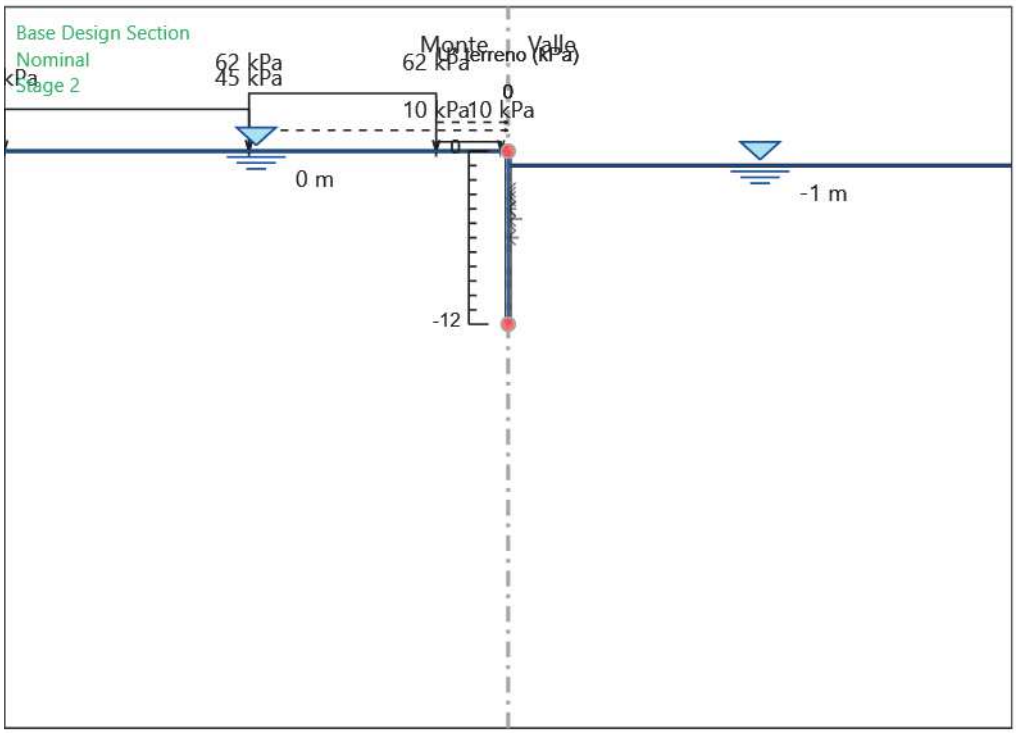


Design Assumption: Nominal
Stage: Stage 7
Gradiente idraulico

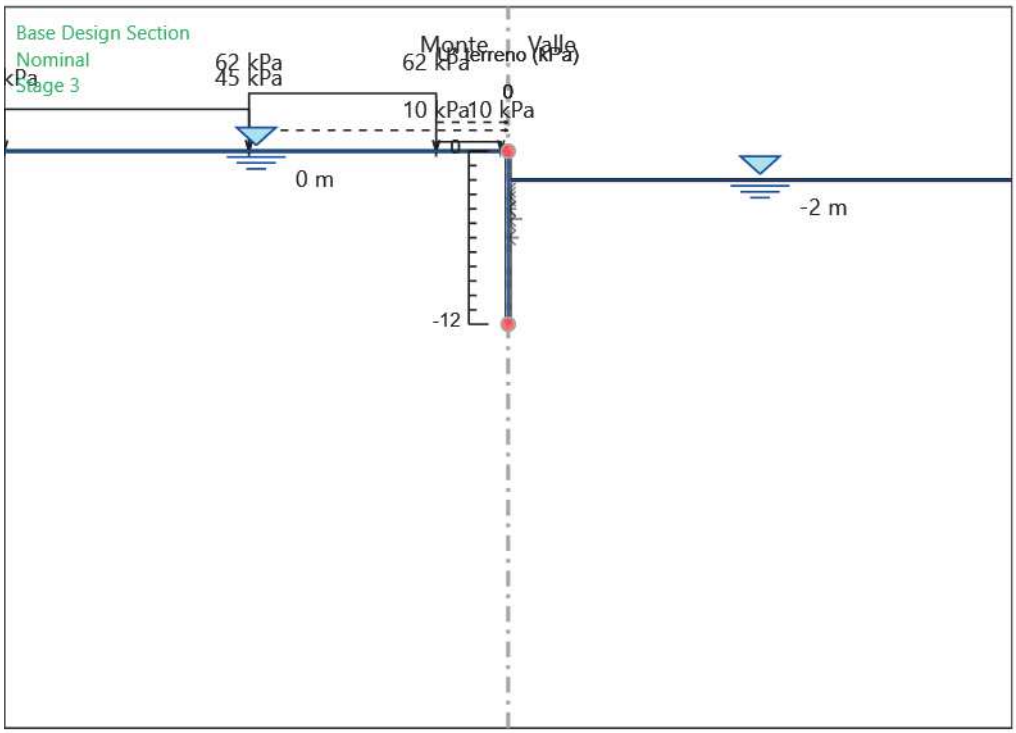
Grafico Risultati Terreno U* terreno



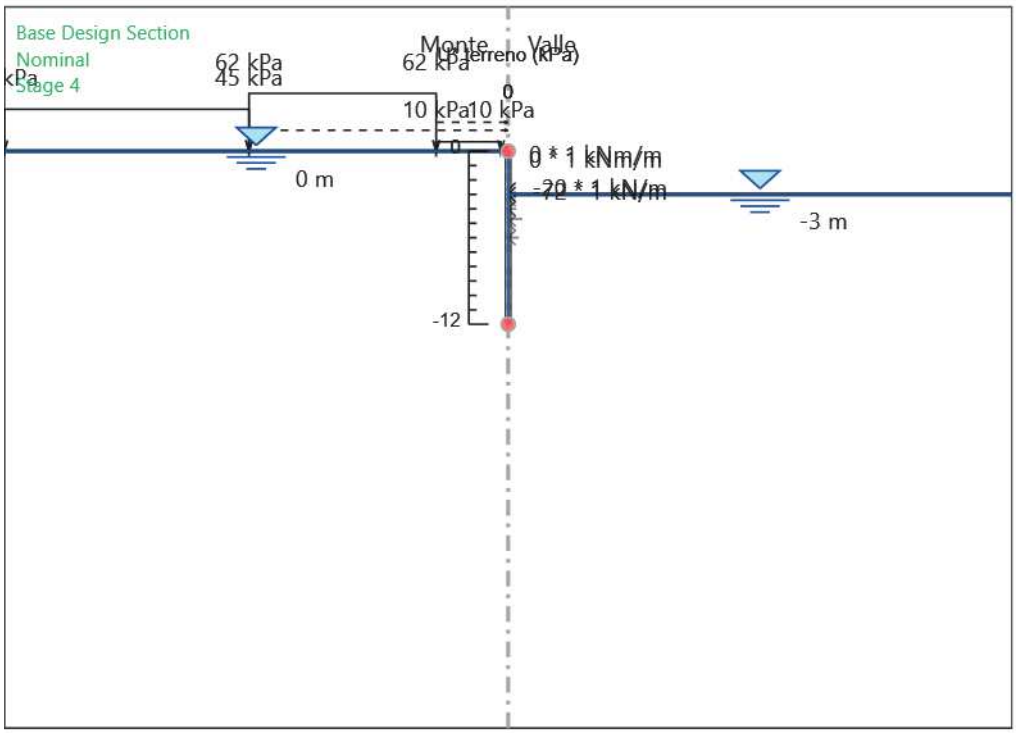
Design Assumption: Nominal
Stage: Stage 1
U* terreno



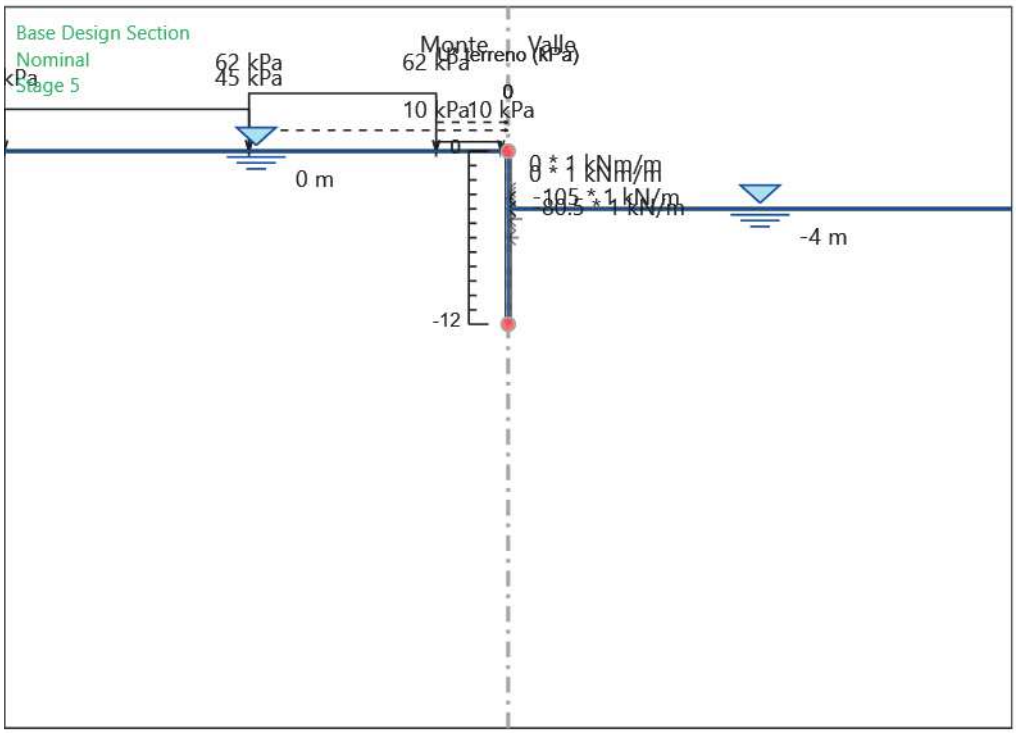
Design Assumption: Nominal
Stage: Stage 2
U* terreno



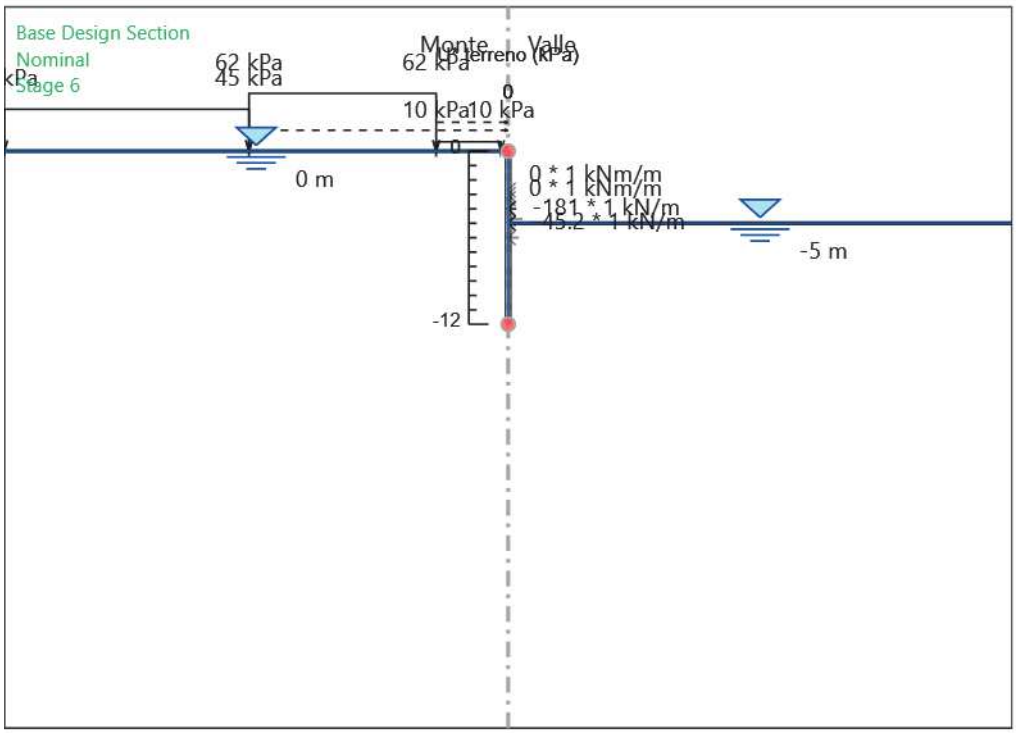
Design Assumption: Nominal
Stage: Stage 3
U* terreno



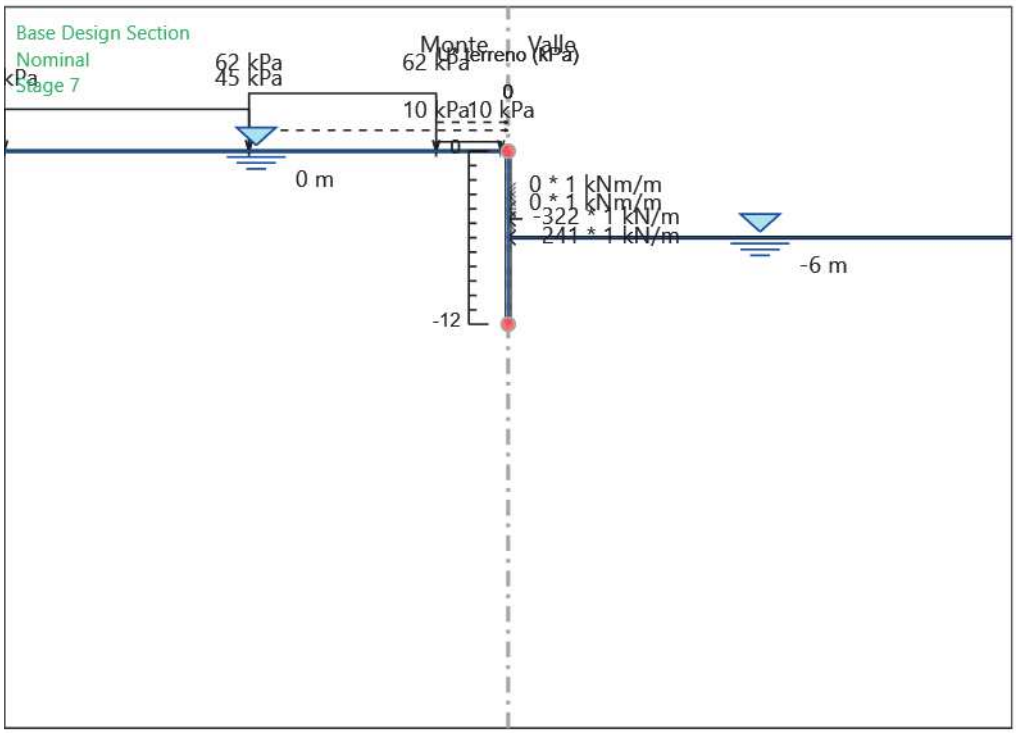
Design Assumption: Nominal
Stage: Stage 4
U* terreno



Design Assumption: Nominal
Stage: Stage 5
U* terreno



Design Assumption: Nominal
Stage: Stage 6
U* terreno



Design Assumption: Nominal
Stage: Stage 7
U* terreno

Riepilogo spinte

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	LEFT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	557	720	1277	219.6	5942.1	9.37%	2.54
Stage 2	486.1	688.7	1174.8	227.4	6153	7.9%	2.14
Stage 3	422.4	654.5	1076.9	235.9	6383.1	6.62%	1.79
Stage 4	410.4	617.1	1027.5	245.2	6635.1	6.19%	1.67
Stage 5	409.6	576	985.6	255.4	6912.4	5.93%	1.6
Stage 6	371.5	530.5	902	266.8	7218.8	5.15%	1.39
Stage 7	572.3	480	1052.3	279.3	7559.2	7.57%	2.05

Design Assumption:	Tipo Risultato:	Muro:	LEFT	Lato	RIGHT		
Nominal	Riepilogo spinte						
Stage	Vera effettiva (kN/m)	Pressione neutra (kN/m)	Vera Totale (kN/m)	Min ammissibile (kN/m)	Max ammissibile (kN/m)	Percentuale di resistenza massima	Vera / Attiva
Stage 1	557	720	1277	179.3	4851.4	11.48%	3.11
Stage 2	543.5	631.3	1174.8	144.1	3899.2	13.94%	3.77
Stage 3	531.4	545.5	1076.9	113.2	3062.7	17.35%	4.69
Stage 4	472.7	462.9	935.5	86.4	2339	20.21%	5.47
Stage 5	416.1	384	800.1	63.7	1724.9	24.12%	6.53
Stage 6	366.3	309.5	675.8	45	1216.4	30.11%	8.14
Stage 7	249.3	240	489.3	29.9	808.6	30.83%	8.34

Allegati

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

```
+-------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*           |
|                                                                                                                   |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                     |
|                                 Exe Time :24 May 2018       18:23:40                                              |
+-------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.Nominal_63
 STARTING
ACCEPTED   <FILE,GENW                                                                >
ACCEPTED   <FILE,PLOTTER,BINARY                                                      >
ACCEPTED   <SOLVE TOTAL_STRESS                                                       >
ACCEPTED   <PARAM ITEMAX 40                                                          >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                            >



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

PRELIMINARY OPERATIONS CPU TIME     0.02 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   86
NO. OF LONG NAMES (LASTNAME) ..................   20
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     86

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5.5E+04 1.65E+05
   15 : ENDL
   16 : MATERIAL S355_114 2.1E+08
   17 : BEAM WallElement_33 LeftWall_32 -12 0 S355_114 0.25 00 00 0
   18 : STRIP LeftWall_32 1 7 5 13 0 62 45
   19 : STRIP LeftWall_32 1 7 18 17 0 45 45
   20 : STRIP LeftWall_32 1 7 0.5 4.5 0 10 45
   21 : STEP Stage1_31
   22 : CHANGE Ug5_2_8_L_0 U-FRICT=37 LeftWall_32
   23 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   24 : CHANGE Ug5_2_8_L_0 U-KA=0.249 LeftWall_32
   25 : CHANGE Ug5_2_8_L_0 U-KP=6.738 LeftWall_32
   26 : CHANGE Ug5_2_8_L_0 D-KA=0.249 LeftWall_32
   27 : CHANGE Ug5_2_8_L_0 D-KP=6.738 LeftWall_32
   28 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   30 : SETWALL LeftWall_32
   31 : GEOM 0 0
   32 : WATER 0 0 -12 0 0
   33 : ADD WallElement_33
   34 : ENDSTEP
   35 : STEP Stage2_158
   36 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   37 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   38 : SETWALL LeftWall_32
   39 : GEOM 0 -1
   40 : WATER 0 1 -12 0 0
   41 : ENDSTEP
   42 : STEP Stage3_255
   43 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   44 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   45 : SETWALL LeftWall_32
   46 : GEOM 0 -2
   47 : WATER 0 2 -12 0 0
   48 : ENDSTEP
   49 : STEP Stage4_352
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   51 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   52 : SETWALL LeftWall_32
   53 : GEOM 0 -3
   54 : WATER 0 3 -12 0 0
   55 : LOAD step LeftWall_32 -2.7 1 -20
   56 : LOAD step LeftWall_32 -3 1 -72
   57 : ENDSTEP
   58 : STEP Stage5_449
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   60 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   61 : SETWALL LeftWall_32
   62 : GEOM 0 -4
   63 : SURCHARGE 0 0 0 -4
   64 : WATER 0 4 -12 0 0
   65 : LOAD step LeftWall_32 -4 1 -80.5
   66 : LOAD step LeftWall_32 -3.3 1 -105
   67 : ENDSTEP
   68 : STEP Stage6_546
```

```
69 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
71 : SETWALL LeftWall_32
72 : GEOM 0 -5
73 : SURCHARGE 0 0 0 0
74 : WATER 0 5 -12 0 0
75 : LOAD step LeftWall_32 -5 1 -45.2
76 : LOAD step LeftWall_32 -4 1 -181
77 : ENDSTEP
78 : STEP Stage7_643
79 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
80 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
81 : SETWALL LeftWall_32
82 : GEOM 0 -6
83 : WATER 0 6 -12 0 0
84 : LOAD constant LeftWall_32 -6 1 -241
85 : LOAD constant LeftWall_32 -4.7 1 -322
86 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/	2	0.0000	-0.20000	/	3	0.0000	-0.40000	/	4	0.0000	-0.60000	/
5	0.0000	-0.80000	/	6	0.0000	-1.0000	/	7	0.0000	-1.2000	/	8	0.0000	-1.4000	/
9	0.0000	-1.6000	/	10	0.0000	-1.8000	/	11	0.0000	-2.0000	/	12	0.0000	-2.2000	/
13	0.0000	-2.4000	/	14	0.0000	-2.6000	/	15	0.0000	-2.8000	/	16	0.0000	-3.0000	/
17	0.0000	-3.2000	/	18	0.0000	-3.4000	/	19	0.0000	-3.6000	/	20	0.0000	-3.8000	/
21	0.0000	-4.0000	/	22	0.0000	-4.2000	/	23	0.0000	-4.4000	/	24	0.0000	-4.6000	/
25	0.0000	-4.8000	/	26	0.0000	-5.0000	/	27	0.0000	-5.2000	/	28	0.0000	-5.4000	/
29	0.0000	-5.6000	/	30	0.0000	-5.8000	/	31	0.0000	-6.0000	/	32	0.0000	-6.2000	/
33	0.0000	-6.4000	/	34	0.0000	-6.6000	/	35	0.0000	-6.8000	/	36	0.0000	-7.0000	/
37	0.0000	-7.2000	/	38	0.0000	-7.4000	/	39	0.0000	-7.6000	/	40	0.0000	-7.8000	/
41	0.0000	-8.0000	/	42	0.0000	-8.2000	/	43	0.0000	-8.4000	/	44	0.0000	-8.6000	/
45	0.0000	-8.8000	/	46	0.0000	-9.0000	/	47	0.0000	-9.2000	/	48	0.0000	-9.4000	/
49	0.0000	-9.6000	/	50	0.0000	-9.8000	/	51	0.0000	-10.000	/	52	0.0000	-10.200	/
53	0.0000	-10.400	/	54	0.0000	-10.600	/	55	0.0000	-10.800	/	56	0.0000	-11.000	/
57	0.0000	-11.200	/	58	0.0000	-11.400	/	59	0.0000	-11.600	/	60	0.0000	-11.800	/
61	0.0000	-12.000	/												

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
   36   36    1   0.2000     0.000     0.000     0.000     1.000
   37   37    1   0.2000     0.000     0.000     0.000     1.000
   38   38    1   0.2000     0.000     0.000     0.000     1.000
   39   39    1   0.2000     0.000     0.000     0.000     1.000
   40   40    1   0.2000     0.000     0.000     0.000     1.000
   41   41    1   0.2000     0.000     0.000     0.000     1.000
```

42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     2.000
    2    2    1   0.2000     0.000     0.000     0.000     2.000
    3    3    1   0.2000     0.000     0.000     0.000     2.000
    4    4    1   0.2000     0.000     0.000     0.000     2.000
    5    5    1   0.2000     0.000     0.000     0.000     2.000
    6    6    1   0.2000     0.000     0.000     0.000     2.000
    7    7    1   0.2000     0.000     0.000     0.000     2.000
    8    8    1   0.2000     0.000     0.000     0.000     2.000
    9    9    1   0.2000     0.000     0.000     0.000     2.000
   10   10    1   0.2000     0.000     0.000     0.000     2.000
   11   11    1   0.2000     0.000     0.000     0.000     2.000
   12   12    1   0.2000     0.000     0.000     0.000     2.000
   13   13    1   0.2000     0.000     0.000     0.000     2.000
   14   14    1   0.2000     0.000     0.000     0.000     2.000
   15   15    1   0.2000     0.000     0.000     0.000     2.000
   16   16    1   0.2000     0.000     0.000     0.000     2.000
   17   17    1   0.2000     0.000     0.000     0.000     2.000
   18   18    1   0.2000     0.000     0.000     0.000     2.000
   19   19    1   0.2000     0.000     0.000     0.000     2.000
   20   20    1   0.2000     0.000     0.000     0.000     2.000
   21   21    1   0.2000     0.000     0.000     0.000     2.000
   22   22    1   0.2000     0.000     0.000     0.000     2.000
   23   23    1   0.2000     0.000     0.000     0.000     2.000
   24   24    1   0.2000     0.000     0.000     0.000     2.000
   25   25    1   0.2000     0.000     0.000     0.000     2.000
   26   26    1   0.2000     0.000     0.000     0.000     2.000
   27   27    1   0.2000     0.000     0.000     0.000     2.000
   28   28    1   0.2000     0.000     0.000     0.000     2.000
   29   29    1   0.2000     0.000     0.000     0.000     2.000
   30   30    1   0.2000     0.000     0.000     0.000     2.000
   31   31    1   0.2000     0.000     0.000     0.000     2.000
   32   32    1   0.2000     0.000     0.000     0.000     2.000
   33   33    1   0.2000     0.000     0.000     0.000     2.000
   34   34    1   0.2000     0.000     0.000     0.000     2.000
   35   35    1   0.2000     0.000     0.000     0.000     2.000
   36   36    1   0.2000     0.000     0.000     0.000     2.000
   37   37    1   0.2000     0.000     0.000     0.000     2.000
   38   38    1   0.2000     0.000     0.000     0.000     2.000
   39   39    1   0.2000     0.000     0.000     0.000     2.000
   40   40    1   0.2000     0.000     0.000     0.000     2.000
   41   41    1   0.2000     0.000     0.000     0.000     2.000
```

42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ..... 0.00000

 no. of step variable items:     1
 step  inertia multipier
-------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.2500     0.000     0.000
    2    2    3    1    0.000     0.000    0.2500     0.000     0.000
    3    3    4    1    0.000     0.000    0.2500     0.000     0.000
    4    4    5    1    0.000     0.000    0.2500     0.000     0.000
    5    5    6    1    0.000     0.000    0.2500     0.000     0.000
    6    6    7    1    0.000     0.000    0.2500     0.000     0.000
    7    7    8    1    0.000     0.000    0.2500     0.000     0.000
    8    8    9    1    0.000     0.000    0.2500     0.000     0.000
    9    9   10    1    0.000     0.000    0.2500     0.000     0.000
   10   10   11    1    0.000     0.000    0.2500     0.000     0.000
   11   11   12    1    0.000     0.000    0.2500     0.000     0.000
   12   12   13    1    0.000     0.000    0.2500     0.000     0.000
   13   13   14    1    0.000     0.000    0.2500     0.000     0.000
   14   14   15    1    0.000     0.000    0.2500     0.000     0.000
   15   15   16    1    0.000     0.000    0.2500     0.000     0.000
   16   16   17    1    0.000     0.000    0.2500     0.000     0.000
   17   17   18    1    0.000     0.000    0.2500     0.000     0.000
   18   18   19    1    0.000     0.000    0.2500     0.000     0.000
   19   19   20    1    0.000     0.000    0.2500     0.000     0.000
   20   20   21    1    0.000     0.000    0.2500     0.000     0.000
   21   21   22    1    0.000     0.000    0.2500     0.000     0.000
   22   22   23    1    0.000     0.000    0.2500     0.000     0.000
   23   23   24    1    0.000     0.000    0.2500     0.000     0.000
   24   24   25    1    0.000     0.000    0.2500     0.000     0.000
   25   25   26    1    0.000     0.000    0.2500     0.000     0.000
   26   26   27    1    0.000     0.000    0.2500     0.000     0.000
   27   27   28    1    0.000     0.000    0.2500     0.000     0.000
   28   28   29    1    0.000     0.000    0.2500     0.000     0.000
```

29	29	30	1	0.000	0.000	0.2500	0.000	0.000
30	30	31	1	0.000	0.000	0.2500	0.000	0.000
31	31	32	1	0.000	0.000	0.2500	0.000	0.000
32	32	33	1	0.000	0.000	0.2500	0.000	0.000
33	33	34	1	0.000	0.000	0.2500	0.000	0.000
34	34	35	1	0.000	0.000	0.2500	0.000	0.000
35	35	36	1	0.000	0.000	0.2500	0.000	0.000
36	36	37	1	0.000	0.000	0.2500	0.000	0.000
37	37	38	1	0.000	0.000	0.2500	0.000	0.000
38	38	39	1	0.000	0.000	0.2500	0.000	0.000
39	39	40	1	0.000	0.000	0.2500	0.000	0.000
40	40	41	1	0.000	0.000	0.2500	0.000	0.000
41	41	42	1	0.000	0.000	0.2500	0.000	0.000
42	42	43	1	0.000	0.000	0.2500	0.000	0.000
43	43	44	1	0.000	0.000	0.2500	0.000	0.000
44	44	45	1	0.000	0.000	0.2500	0.000	0.000
45	45	46	1	0.000	0.000	0.2500	0.000	0.000
46	46	47	1	0.000	0.000	0.2500	0.000	0.000
47	47	48	1	0.000	0.000	0.2500	0.000	0.000
48	48	49	1	0.000	0.000	0.2500	0.000	0.000
49	49	50	1	0.000	0.000	0.2500	0.000	0.000
50	50	51	1	0.000	0.000	0.2500	0.000	0.000
51	51	52	1	0.000	0.000	0.2500	0.000	0.000
52	52	53	1	0.000	0.000	0.2500	0.000	0.000
53	53	54	1	0.000	0.000	0.2500	0.000	0.000
54	54	55	1	0.000	0.000	0.2500	0.000	0.000
55	55	56	1	0.000	0.000	0.2500	0.000	0.000
56	56	57	1	0.000	0.000	0.2500	0.000	0.000
57	57	58	1	0.000	0.000	0.2500	0.000	0.000
58	58	59	1	0.000	0.000	0.2500	0.000	0.000
59	59	60	1	0.000	0.000	0.2500	0.000	0.000
60	60	61	1	0.000	0.000	0.2500	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    8
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01



 CONCENTRATED LOADS

    NODE    DIRECTION    LOAD CURVE   LOAD CURVE MULTIPL
     14          1             4         -0.2000E+02
     16          1             4         -0.7200E+02
     21          1             5         -0.8050E+02
     17          1             5         -0.1050E+03
     26          1             6         -0.4520E+02
     21          1             6         -0.1810E+03
     31          1            14         -0.2410E+03
     25          1            14         -0.3220E+03


NO. OF DISTRIBUTED LOAD CARDS     0
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.Nominal_63                                           |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -92.000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -185.50000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -226.20000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -563.00000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..................................    1
NO. OF DATA PER LAYER.........................  100
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
```

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ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
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ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     7 VALUES
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
```

SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-4.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	5.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

```
Y                                    0.000       -0.9990E+30
Z-PC                                 0.000         0.000
Z-EXCAVATION                        -6.000         0.000
Z-WATER_TABLE                        0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL            0.000         0.000
ZQ                                   0.000         0.000
DZW_OF_THE_WATER_TABLE               6.000         0.000
QS_ON_THE_EXCAVATION_SIDE            0.000         0.000
ZQS                                  0.000       -0.9990E+30
ZCUT                                 0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES    -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)    0.000         0.000
PORE_UPDATE_FLAG                     0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)     0.000         0.000
lateral thrusts reduction elevatio   0.000         0.000
Downhill reduction factor for effe   0.000         0.000
Downhill reduction factor for pore   0.000         0.000
Uphill reduction factor for effect   0.000         0.000
Uphill reduction factor for pore p   0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]     0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]    0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]    0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
UPHILL DELTA/PHI RATIO               0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]    0.000         0.000
DOWNHILL DELTA/PHI RATIO             0.000         0.000
DYN.WATER BEHAVIOUR                  0.000         0.000
Excess pore pressure RATIO Ru        0.000         0.000
SEISMIC PRESSURE LOWER VALUE         0.000         0.000
SEISMIC PRESSURE UPPER VALUE         0.000         0.000
SEISMIC PRESSURE LOWER LEVEL         0.000         0.000
SEISMIC PRESSURE UPPER LEVEL         0.000         0.000

================================================================================================================end of step    7


 LEFT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000

 RIGHT-HAND WALL

 LOWER  LEVEL         -12.00000
 UPPER  LEVEL           0.00000
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             3


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           5.00000000000000
 FOUNDATION WIDTH    (B)            13.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      62.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           18.0000000000000
 FOUNDATION WIDTH    (B)            17.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      45.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    3
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.500000000000000
 FOUNDATION WIDTH    (B)            4.50000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      10.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3123

 NO. OF D.P.W  FOR THIS AREA       7200
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6763E+05 RIMNOR= 0.000
           RENORM=0.1175E-27 REMNOR= 0.000     RATIO =0.4169E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6763E+05 RDR   = 0.000
           RATIOT=0.4169E-16 RATIOR= 0.000
           MAX UN=0.7105E-14 IEQ=   107 NODE     54 DOF   1  Y-DISPL.F
           MIN UN=-.3553E-14 IEQ=    75 NODE     38 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6763E+05 RIMNOR= 0.000
           RENORM=0.5795E-29 REMNOR=0.1118E-53 RATIO =0.9256E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6763E+05 RDR   = 0.000
           RATIOT=0.9256E-17 RATIOR= 0.000
           MAX UN=0.4696E-15 IEQ=   113 NODE     57 DOF   1  Y-DISPL.F
           MIN UN=-.6080E-27 IEQ=   116 NODE     58 DOF   2   X-ROT. F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0

ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6763E+05 RIMNOR= 0.000
           RENORM=0.5562E-29 REMNOR=0.2464E-53 RATIO =0.9069E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6763E+05 RDR   = 0.000
           RATIOT=0.9069E-17 RATIOR= 0.000
           MAX UN=0.4712E-15 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           MIN UN=-.1245E-17 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

```
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -1.3571E-21   0.000       0.000       0.000       0.000            V-C  6.8946E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.270     -2.2581E-21   2.114       4.348       2.114       4.348            V-C  6.8946E+04 -0.2000       2.000
1.000       1.000       6.348       0.000       0.000     Ug5_2_8_L_0
   3 D   2.354     -3.1591E-21   4.601       7.770       4.601       7.770            V-C  6.8946E+04 -0.4000       4.000
1.000       1.000       11.77       0.000       0.000     Ug5_2_8_L_0
   4 D   3.287     -4.0598E-21   7.242       10.44       7.242       10.44            V-C  6.8946E+04 -0.6000       6.000
1.000       1.000       16.44       0.000       0.000     Ug5_2_8_L_0
   5 D   4.145     -4.9591E-21   10.19       12.73       10.19       12.73            V-C  6.8946E+04 -0.8000       8.000
1.000       1.000       20.73       0.000       0.000     Ug5_2_8_L_0
   6 D   4.966     -5.8593E-21   13.14       14.83       13.14       14.83            V-C  6.8946E+04  -1.000       10.00
1.000       1.000       24.83       0.000       0.000     Ug5_2_8_L_0
   7 D   5.766     -6.7786E-21   15.66       16.83       15.66       16.83            V-C  6.8946E+04  -1.200       12.00
1.000       1.000       28.83       0.000       0.000     Ug5_2_8_L_0
   8 D   6.550     -7.7376E-21   18.10       18.75       18.10       18.75            V-C  6.8946E+04  -1.400       14.00
1.000       1.000       32.75       0.000       0.000     Ug5_2_8_L_0
   9 D   7.322     -8.7548E-21   20.63       20.61       20.63       20.61            V-C  6.8946E+04  -1.600       16.00
1.000       1.000       36.61       0.000       0.000     Ug5_2_8_L_0
  10 D   8.081     -9.8461E-21   22.98       22.41       22.98       22.41            V-C  6.8946E+04  -1.800       18.00
1.000       1.000       40.41       0.000       0.000     Ug5_2_8_L_0
  11 D   8.830     -1.1024E-20   25.44       24.15       25.44       24.15            V-C  6.8946E+04  -2.000       20.00
1.000       1.000       44.15       0.000       0.000     Ug5_2_8_L_0
  12 D   9.567     -1.2299E-20   27.77       25.83       27.77       25.83            V-C  6.8946E+04  -2.200       22.00
1.000       1.000       47.83       0.000       0.000     Ug5_2_8_L_0
  13 D   10.29     -1.3675E-20   30.20       27.46       30.20       27.46            V-C  6.8946E+04  -2.400       24.00
1.000       1.000       51.46       0.000       0.000     Ug5_2_8_L_0
  14 D   11.01     -1.5155E-20   32.54       29.04       32.54       29.04            V-C  6.8946E+04  -2.600       26.00
1.000       1.000       55.04       0.000       0.000     Ug5_2_8_L_0
  15 D   11.71     -1.6735E-20   34.97       30.56       34.97       30.56            V-C  6.8946E+04  -2.800       28.00
1.000       1.000       58.56       0.000       0.000     Ug5_2_8_L_0
  16 D   12.40     -1.8407E-20   37.33       32.02       37.33       32.02            V-C  6.8946E+04  -3.000       30.00
1.000       1.000       62.02       0.000       0.000     Ug5_2_8_L_0
  17 D   13.09     -2.0156E-20   39.77       33.44       39.77       33.44            V-C  6.8946E+04  -3.200       32.00
1.000       1.000       65.44       0.000       0.000     Ug5_2_8_L_0
  18 D   13.76     -2.1962E-20   42.15       34.81       42.15       34.81            V-C  6.8946E+04  -3.400       34.00
1.000       1.000       68.81       0.000       0.000     Ug5_2_8_L_0
  19 D   14.43     -2.3800E-20   44.53       36.14       44.53       36.14            V-C  6.8946E+04  -3.600       36.00
1.000       1.000       72.14       0.000       0.000     Ug5_2_8_L_0
  20 D   15.08     -2.5627E-20   46.99       37.42       46.99       37.42            V-C  6.8946E+04  -3.800       38.00
1.000       1.000       75.42       0.000       0.000     Ug5_2_8_L_0
  21 D   15.73     -2.7377E-20   49.38       38.66       49.38       38.66            V-C  6.8946E+04  -4.000       40.00
1.000       1.000       78.66       0.000       0.000     Ug5_2_8_L_0
  22 D   16.37     -2.9035E-20   51.84       39.87       51.84       39.87            V-C  6.8946E+04  -4.200       42.00
1.000       1.000       81.87       0.000       0.000     Ug5_2_8_L_0
  23 D   17.01     -3.0598E-20   54.24       41.04       54.24       41.04            V-C  6.8946E+04  -4.400       44.00
1.000       1.000       85.04       0.000       0.000     Ug5_2_8_L_0
  24 D   17.64     -3.2052E-20   56.69       42.18       56.69       42.18            V-C  6.8946E+04  -4.600       46.00
1.000       1.000       88.18       0.000       0.000     Ug5_2_8_L_0
  25 D   18.26     -3.3376E-20   59.09       43.29       59.09       43.29            V-C  6.8946E+04  -4.800       48.00
1.000       1.000       91.29       0.000       0.000     Ug5_2_8_L_0
  26 D   18.87     -3.4538E-20   61.49       44.37       61.49       44.37            V-C  6.8946E+04  -5.000       50.00
1.000       1.000       94.37       0.000       0.000     Ug5_2_8_L_0
  27 D   19.49     -3.5499E-20   63.72       45.43       63.72       45.43            V-C  6.8946E+04  -5.200       52.00
1.000       1.000       97.43       0.000       0.000     Ug5_2_8_L_0
  28 D   20.09     -3.6210E-20   65.95       46.47       65.95       46.47            V-C  6.8946E+04  -5.400       54.00
```

1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0						
29 D	20.70	-3.6626E-20	68.19	47.48	68.19	47.48	V-C	6.8946E+04	-5.600	56.00	
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0						
30 D	21.30	-3.6766E-20	70.43	48.48	70.43	48.48	V-C	6.8946E+04	-5.800	58.00	
1.000	1.000	106.5	0.000	0.000	Ug5_2_8_L_0						
31 D	21.89	-3.6654E-20	72.67	49.46	72.67	49.46	V-C	6.8946E+04	-6.000	60.00	
1.000	1.000	109.5	0.000	0.000	Ug5_2_8_L_0						
32 D	22.48	-3.6305E-20	74.91	50.42	74.91	50.42	V-C	6.8946E+04	-6.200	62.00	
1.000	1.000	112.4	0.000	0.000	Ug5_2_8_L_0						
33 D	23.07	-3.5722E-20	77.15	51.37	77.15	51.37	V-C	6.8946E+04	-6.400	64.00	
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0						
34 D	23.66	-3.4900E-20	79.63	52.31	79.63	52.31	V-C	6.8946E+04	-6.600	66.00	
1.000	1.000	118.3	0.000	0.000	Ug5_2_8_L_0						
35 D	24.25	-3.3840E-20	82.01	53.23	82.01	53.23	V-C	6.8946E+04	-6.800	68.00	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
36 D	24.83	-3.2603E-20	84.95	54.14	84.95	54.14	V-C	6.8946E+04	-7.000	70.00	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
37 D	25.41	-3.1274E-20	87.30	55.05	87.30	55.05	V-C	6.8946E+04	-7.200	72.00	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
38 D	25.99	-2.9999E-20	90.17	55.95	90.17	55.95	V-C	6.8946E+04	-7.400	74.00	
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0						
39 D	26.57	-2.8912E-20	92.48	56.83	92.48	56.83	V-C	6.8946E+04	-7.600	76.00	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
40 D	27.14	-2.8071E-20	95.30	57.72	95.30	57.72	V-C	6.8946E+04	-7.800	78.00	
1.000	1.000	135.7	0.000	0.000	Ug5_2_8_L_0						
41 D	27.72	-2.7504E-20	98.08	58.59	98.08	58.59	V-C	6.8946E+04	-8.000	80.00	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
42 D	28.29	-2.7233E-20	100.4	59.46	100.4	59.46	V-C	6.8946E+04	-8.200	82.00	
1.000	1.000	141.5	0.000	0.000	Ug5_2_8_L_0						
43 D	28.87	-2.7268E-20	103.1	60.33	103.1	60.33	V-C	6.8946E+04	-8.400	84.00	
1.000	1.000	144.3	0.000	0.000	Ug5_2_8_L_0						
44 D	29.44	-2.7611E-20	105.3	61.19	105.3	61.19	V-C	6.8946E+04	-8.600	86.00	
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
45 D	30.01	-2.8253E-20	108.0	62.05	108.0	62.05	V-C	6.8946E+04	-8.800	88.00	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
46 D	30.58	-2.9177E-20	110.3	62.90	110.3	62.90	V-C	6.8946E+04	-9.000	90.00	
1.000	1.000	152.9	0.000	0.000	Ug5_2_8_L_0						
47 D	31.15	-3.0356E-20	112.9	63.75	112.9	63.75	V-C	6.8946E+04	-9.200	92.00	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
48 D	31.72	-3.1753E-20	115.1	64.60	115.1	64.60	V-C	6.8946E+04	-9.400	94.00	
1.000	1.000	158.6	0.000	0.000	Ug5_2_8_L_0						
49 D	32.29	-3.3322E-20	117.7	65.45	117.7	65.45	V-C	6.8946E+04	-9.600	96.00	
1.000	1.000	161.4	0.000	0.000	Ug5_2_8_L_0						
50 D	32.86	-3.5007E-20	119.9	66.29	119.9	66.29	V-C	6.8946E+04	-9.800	98.00	
1.000	1.000	164.3	0.000	0.000	Ug5_2_8_L_0						
51 D	33.43	-3.6739E-20	122.5	67.13	122.5	67.13	V-C	6.8946E+04	-10.00	100.00	
1.000	1.000	167.1	0.000	0.000	Ug5_2_8_L_0						
52 D	34.00	-3.8441E-20	124.7	67.98	124.7	67.98	V-C	6.8946E+04	-10.20	102.0	
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0						
53 D	34.56	-4.0025E-20	127.3	68.82	127.3	68.82	V-C	6.8946E+04	-10.40	104.0	
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0						
54 D	35.13	-4.1391E-20	129.8	69.66	129.8	69.66	V-C	6.8946E+04	-10.60	106.0	
1.000	1.000	175.7	0.000	0.000	Ug5_2_8_L_0						
55 D	35.70	-4.2462E-20	132.0	70.50	132.0	70.50	V-C	6.8946E+04	-10.80	108.0	
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0						
56 D	36.27	-4.3288E-20	134.5	71.34	134.5	71.34	V-C	6.8946E+04	-11.00	110.0	
1.000	1.000	181.3	0.000	0.000	Ug5_2_8_L_0						
57 D	36.84	-4.3943E-20	136.7	72.18	136.7	72.18	V-C	6.8946E+04	-11.20	112.0	
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0						
58 D	37.40	-4.4486E-20	139.2	73.02	139.2	73.02	V-C	6.8946E+04	-11.40	114.0	
1.000	1.000	187.0	0.000	0.000	Ug5_2_8_L_0						
59 D	37.97	-4.4964E-20	141.3	73.86	141.3	73.86	V-C	6.8946E+04	-11.60	116.0	
1.000	1.000	189.9	0.000	0.000	Ug5_2_8_L_0						
60 D	38.54	-4.5412E-20	143.8	74.70	143.8	74.70	V-C	6.8946E+04	-11.80	118.0	
1.000	1.000	192.7	0.000	0.000	Ug5_2_8_L_0						
61 D	19.55	-4.5851E-20	145.9	75.54	145.9	75.54	V-C	6.8946E+04	-12.00	120.0	
1.000	1.000	195.5	0.000	0.000	Ug5_2_8_L_0						

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE      DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      1.3571E-21   0.000       0.000       0.000       0.000            V-C  3.4277E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.270      2.2581E-21   2.000       4.348       2.000       4.348            V-C  3.4277E+04 -0.2000       2.000
1.000       1.000       6.348       0.000       0.000     Ug5_2_8_L_0
   3 D   2.354      3.1591E-21   4.000       7.770       4.000       7.770            V-C  3.4277E+04 -0.4000       4.000
1.000       1.000       11.77       0.000       0.000     Ug5_2_8_L_0
   4 D   3.287      4.0598E-21   6.000       10.44       6.000       10.44            V-C  3.4277E+04 -0.6000       6.000
1.000       1.000       16.44       0.000       0.000     Ug5_2_8_L_0
   5 D   4.145      4.9591E-21   8.000       12.73       8.000       12.73            V-C  3.4277E+04 -0.8000       8.000
1.000       1.000       20.73       0.000       0.000     Ug5_2_8_L_0
   6 D   4.966      5.8593E-21   10.00       14.83       10.00       14.83            V-C  3.4277E+04  -1.000       10.00
1.000       1.000       24.83       0.000       0.000     Ug5_2_8_L_0
   7 D   5.766      6.7786E-21   12.00       16.83       12.00       16.83            V-C  3.4277E+04  -1.200       12.00
1.000       1.000       28.83       0.000       0.000     Ug5_2_8_L_0
   8 D   6.550      7.7376E-21   14.00       18.75       14.00       18.75            V-C  3.4277E+04  -1.400       14.00
1.000       1.000       32.75       0.000       0.000     Ug5_2_8_L_0
   9 D   7.322      8.7548E-21   16.00       20.61       16.00       20.61            V-C  3.4277E+04  -1.600       16.00
1.000       1.000       36.61       0.000       0.000     Ug5_2_8_L_0
  10 D   8.081      9.8461E-21   18.00       22.41       18.00       22.41            V-C  3.4277E+04  -1.800       18.00
1.000       1.000       40.41       0.000       0.000     Ug5_2_8_L_0
  11 D   8.830      1.1024E-20   20.00       24.15       20.00       24.15            V-C  3.4277E+04  -2.000       20.00
1.000       1.000       44.15       0.000       0.000     Ug5_2_8_L_0
  12 D   9.567      1.2299E-20   22.00       25.83       22.00       25.83            V-C  3.4277E+04  -2.200       22.00
1.000       1.000       47.83       0.000       0.000     Ug5_2_8_L_0
  13 D   10.29      1.3675E-20   24.00       27.46       24.00       27.46            V-C  3.4277E+04  -2.400       24.00
1.000       1.000       51.46       0.000       0.000     Ug5_2_8_L_0
  14 D   11.01      1.5155E-20   26.00       29.04       26.00       29.04            V-C  3.4277E+04  -2.600       26.00
1.000       1.000       55.04       0.000       0.000     Ug5_2_8_L_0
  15 D   11.71      1.6735E-20   28.00       30.56       28.00       30.56            V-C  3.4277E+04  -2.800       28.00
1.000       1.000       58.56       0.000       0.000     Ug5_2_8_L_0
  16 D   12.40      1.8407E-20   30.00       32.02       30.00       32.02            V-C  3.4277E+04  -3.000       30.00
1.000       1.000       62.02       0.000       0.000     Ug5_2_8_L_0
  17 D   13.09      2.0156E-20   32.00       33.44       32.00       33.44            V-C  3.4277E+04  -3.200       32.00
1.000       1.000       65.44       0.000       0.000     Ug5_2_8_L_0
  18 D   13.76      2.1962E-20   34.00       34.81       34.00       34.81            V-C  3.4277E+04  -3.400       34.00
1.000       1.000       68.81       0.000       0.000     Ug5_2_8_L_0
  19 D   14.43      2.3800E-20   36.00       36.14       36.00       36.14            V-C  3.4277E+04  -3.600       36.00
1.000       1.000       72.14       0.000       0.000     Ug5_2_8_L_0
  20 D   15.08      2.5627E-20   38.00       37.42       38.00       37.42            V-C  3.4277E+04  -3.800       38.00
1.000       1.000       75.42       0.000       0.000     Ug5_2_8_L_0
  21 D   15.73      2.7377E-20   40.00       38.66       40.00       38.66            V-C  3.4277E+04  -4.000       40.00
1.000       1.000       78.66       0.000       0.000     Ug5_2_8_L_0
  22 D   16.37      2.9035E-20   42.00       39.87       42.00       39.87            V-C  3.4277E+04  -4.200       42.00
1.000       1.000       81.87       0.000       0.000     Ug5_2_8_L_0
  23 D   17.01      3.0598E-20   44.00       41.04       44.00       41.04            V-C  3.4277E+04  -4.400       44.00
1.000       1.000       85.04       0.000       0.000     Ug5_2_8_L_0
  24 D   17.64      3.2052E-20   46.00       42.18       46.00       42.18            V-C  3.4277E+04  -4.600       46.00
1.000       1.000       88.18       0.000       0.000     Ug5_2_8_L_0
  25 D   18.26      3.3376E-20   48.00       43.29       48.00       43.29            V-C  3.4277E+04  -4.800       48.00
1.000       1.000       91.29       0.000       0.000     Ug5_2_8_L_0
  26 D   18.87      3.4538E-20   50.00       44.37       50.00       44.37            V-C  3.4277E+04  -5.000       50.00
1.000       1.000       94.37       0.000       0.000     Ug5_2_8_L_0
  27 D   19.49      3.5499E-20   52.00       45.43       52.00       45.43            V-C  3.4277E+04  -5.200       52.00
1.000       1.000       97.43       0.000       0.000     Ug5_2_8_L_0
  28 D   20.09      3.6210E-20   54.00       46.47       54.00       46.47            V-C  3.4277E+04  -5.400       54.00
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1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0							
29 D	20.70	3.6626E-20	56.00	47.48	56.00	47.48	V-C	3.4277E+04	-5.600	56.00		
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0							
30 D	21.30	3.6766E-20	58.00	48.48	58.00	48.48	V-C	3.4277E+04	-5.800	58.00		
1.000	1.000	106.5	0.000	0.000	Ug5_2_8_L_0							
31 D	21.89	3.6654E-20	60.00	49.46	60.00	49.46	V-C	3.4277E+04	-6.000	60.00		
1.000	1.000	109.5	0.000	0.000	Ug5_2_8_L_0							
32 D	22.48	3.6305E-20	62.00	50.42	62.00	50.42	V-C	3.4277E+04	-6.200	62.00		
1.000	1.000	112.4	0.000	0.000	Ug5_2_8_L_0							
33 D	23.07	3.5722E-20	64.00	51.37	64.00	51.37	V-C	3.4277E+04	-6.400	64.00		
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0							
34 D	23.66	3.4900E-20	66.00	52.31	66.00	52.31	V-C	3.4277E+04	-6.600	66.00		
1.000	1.000	118.3	0.000	0.000	Ug5_2_8_L_0							
35 D	24.25	3.3840E-20	68.00	53.23	68.00	53.23	V-C	3.4277E+04	-6.800	68.00		
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0							
36 D	24.83	3.2603E-20	70.00	54.14	70.00	54.14	V-C	3.4277E+04	-7.000	70.00		
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0							
37 D	25.41	3.1274E-20	72.00	55.05	72.00	55.05	V-C	3.4277E+04	-7.200	72.00		
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0							
38 D	25.99	2.9999E-20	74.00	55.95	74.00	55.95	V-C	3.4277E+04	-7.400	74.00		
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0							
39 D	26.57	2.8912E-20	76.00	56.83	76.00	56.83	V-C	3.4277E+04	-7.600	76.00		
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0							
40 D	27.14	2.8071E-20	78.00	57.72	78.00	57.72	V-C	3.4277E+04	-7.800	78.00		
1.000	1.000	135.7	0.000	0.000	Ug5_2_8_L_0							
41 D	27.72	2.7504E-20	80.00	58.59	80.00	58.59	V-C	3.4277E+04	-8.000	80.00		
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0							
42 D	28.29	2.7233E-20	82.00	59.46	82.00	59.46	V-C	3.4277E+04	-8.200	82.00		
1.000	1.000	141.5	0.000	0.000	Ug5_2_8_L_0							
43 D	28.87	2.7268E-20	84.00	60.33	84.00	60.33	V-C	3.4277E+04	-8.400	84.00		
1.000	1.000	144.3	0.000	0.000	Ug5_2_8_L_0							
44 D	29.44	2.7611E-20	86.00	61.19	86.00	61.19	V-C	3.4277E+04	-8.600	86.00		
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0							
45 D	30.01	2.8253E-20	88.00	62.05	88.00	62.05	V-C	3.4277E+04	-8.800	88.00		
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0							
46 D	30.58	2.9177E-20	90.00	62.90	90.00	62.90	V-C	3.4277E+04	-9.000	90.00		
1.000	1.000	152.9	0.000	0.000	Ug5_2_8_L_0							
47 D	31.15	3.0356E-20	92.00	63.75	92.00	63.75	V-C	3.4277E+04	-9.200	92.00		
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0							
48 D	31.72	3.1753E-20	94.00	64.60	94.00	64.60	V-C	3.4277E+04	-9.400	94.00		
1.000	1.000	158.6	0.000	0.000	Ug5_2_8_L_0							
49 D	32.29	3.3322E-20	96.00	65.45	96.00	65.45	V-C	3.4277E+04	-9.600	96.00		
1.000	1.000	161.4	0.000	0.000	Ug5_2_8_L_0							
50 D	32.86	3.5007E-20	98.00	66.29	98.00	66.29	V-C	3.4277E+04	-9.800	98.00		
1.000	1.000	164.3	0.000	0.000	Ug5_2_8_L_0							
51 D	33.43	3.6739E-20	100.00	67.13	100.00	67.13	V-C	3.4277E+04	-10.00	100.00		
1.000	1.000	167.1	0.000	0.000	Ug5_2_8_L_0							
52 D	34.00	3.8441E-20	102.0	67.98	102.0	67.98	V-C	3.4277E+04	-10.20	102.0		
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0							
53 D	34.56	4.0025E-20	104.0	68.82	104.0	68.82	V-C	3.4277E+04	-10.40	104.0		
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0							
54 D	35.13	4.1391E-20	106.0	69.66	106.0	69.66	V-C	3.4277E+04	-10.60	106.0		
1.000	1.000	175.7	0.000	0.000	Ug5_2_8_L_0							
55 D	35.70	4.2462E-20	108.0	70.50	108.0	70.50	V-C	3.4277E+04	-10.80	108.0		
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0							
56 D	36.27	4.3288E-20	110.0	71.34	110.0	71.34	V-C	3.4277E+04	-11.00	110.0		
1.000	1.000	181.3	0.000	0.000	Ug5_2_8_L_0							
57 D	36.84	4.3943E-20	112.0	72.18	112.0	72.18	V-C	3.4277E+04	-11.20	112.0		
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0							
58 D	37.40	4.4486E-20	114.0	73.02	114.0	73.02	V-C	3.4277E+04	-11.40	114.0		
1.000	1.000	187.0	0.000	0.000	Ug5_2_8_L_0							
59 D	37.97	4.4964E-20	116.0	73.86	116.0	73.86	V-C	3.4277E+04	-11.60	116.0		
1.000	1.000	189.9	0.000	0.000	Ug5_2_8_L_0							
60 D	38.54	4.5412E-20	118.0	74.70	118.0	74.70	V-C	3.4277E+04	-11.80	118.0		
1.000	1.000	192.7	0.000	0.000	Ug5_2_8_L_0							
61 D	19.55	4.5851E-20	120.0	75.54	120.0	75.54	V-C	3.4277E+04	-12.00	120.0		
1.000	1.000	195.5	0.000	0.000	Ug5_2_8_L_0							

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1 1.24507E-18-1.24507E-18-1.57772E-29 2.49015E-19
    2-9.10638E-18 9.10638E-18-2.49015E-19-1.57226E-18
    3-3.23120E-17 3.23120E-17 1.57226E-18-8.03466E-18
    4-6.84093E-17 6.84093E-17 8.03466E-18-2.17165E-17
    5 7.70706E-16-7.70706E-16 2.17165E-17 1.32425E-16
    6 7.08561E-16-7.08561E-16-1.32425E-16 2.74137E-16
    7 6.33171E-16-6.33171E-16-2.74137E-16 4.00771E-16
    8 5.44329E-16-5.44329E-16-4.00771E-16 5.09637E-16
    9 4.41792E-16-4.41792E-16-5.09637E-16 5.97996E-16
   10 3.25288E-16-3.25288E-16-5.97996E-16 6.63053E-16
   11 1.94536E-16-1.94536E-16-6.63053E-16 7.01961E-16
   12 4.92599E-17-4.92599E-17-7.01961E-16 7.11812E-16
   13-1.10792E-16 1.10792E-16-7.11812E-16 6.89654E-16
   14-2.85820E-16 2.85820E-16-6.89654E-16 6.32490E-16
   15-4.75956E-16 4.75956E-16-6.32490E-16 5.37299E-16
   16-6.81238E-16 6.81238E-16-5.37299E-16 4.01051E-16
   17-9.01590E-16 9.01590E-16-4.01051E-16 2.20732E-16
   18-1.13680E-15 1.13680E-15-2.20732E-16-6.62829E-18
   19-3.16288E-15 3.16288E-15 6.62829E-18-6.39204E-16
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   21-1.50914E-16 1.50914E-16 6.13981E-16-6.44163E-16
   22-4.40431E-16 4.40431E-16 6.44163E-16-7.32250E-16
   23-7.41444E-16 7.41444E-16 7.32250E-16-8.80538E-16
   24-1.05282E-15 1.05282E-15 8.80538E-16-1.09110E-15
   25-1.37330E-15 1.37330E-15 1.09110E-15-1.36576E-15
   26-1.70154E-15 1.70154E-15 1.36576E-15-1.70607E-15
   27-2.03610E-15 2.03610E-15 1.70607E-15-2.11329E-15
   28 1.17719E-15-1.17719E-15 2.11329E-15-1.87785E-15
   29 8.34375E-16-8.34375E-16 1.87785E-15-1.71098E-15
   30 4.89586E-16-4.89586E-16 1.71098E-15-1.61306E-15
   31 1.44162E-16-1.44162E-16 1.61306E-15-1.58423E-15
   32-2.00685E-16 2.00685E-16 1.58423E-15-1.62436E-15
   33-5.43907E-16 5.43907E-16 1.62436E-15-1.73315E-15
   34 2.66805E-15-2.66805E-15 1.73315E-15-1.19954E-15
   35 2.33038E-15-2.33038E-15 1.19954E-15-7.33459E-16
   36 5.54887E-15-5.54887E-15 7.33459E-16 3.76310E-16
   37 5.21817E-15-5.21817E-15-3.76310E-16 1.41994E-15
   38 1.33812E-15-1.33812E-15-1.41994E-15 1.68757E-15
   39 1.01368E-15-1.01368E-15-1.68757E-15 1.89030E-15
   40 6.91464E-16-6.91464E-16-1.89030E-15 2.02860E-15
   41 3.70580E-16-3.70580E-16-2.02860E-15 2.10271E-15
   42 4.99604E-17-4.99604E-17-2.10271E-15 2.11270E-15
   43-2.71586E-16 2.71586E-16-2.11270E-15 2.05839E-15
   44-5.95329E-16 5.95329E-16-2.05839E-15 1.93932E-15
   45-9.22573E-16 9.22573E-16-1.93932E-15 1.75481E-15
   46-1.25460E-15 1.25460E-15-1.75481E-15 1.50389E-15
   47-1.59265E-15 1.59265E-15-1.50389E-15 1.18536E-15
   48-1.93785E-15 1.93785E-15-1.18536E-15 7.97787E-16
   49-2.29121E-15 2.29121E-15-7.97787E-16 3.39547E-16
   50-2.65359E-15 2.65359E-15-3.39547E-16-1.91171E-16
   51-3.02571E-15 3.02571E-15 1.91171E-16-7.96329E-16
   52-3.40812E-15 3.40812E-15 7.96329E-16-1.47792E-15
   53-3.80121E-15 3.80121E-15 1.47792E-15-2.23816E-15
   54 2.90018E-15-2.90018E-15 2.23816E-15-1.65812E-15
   55 2.48502E-15-2.48502E-15 1.65812E-15-1.16112E-15
   56 2.05867E-15-2.05867E-15 1.16112E-15-7.49387E-16
   57 1.62110E-15-1.62110E-15 7.49387E-16-4.25167E-16
   58 1.17232E-15-1.17232E-15 4.25167E-16-1.90704E-16
   59 7.12336E-16-7.12336E-16 1.90704E-16-4.82368E-17
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   60 2.41172E-16-2.41172E-16 4.82368E-17-1.45150E-28

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6175E+05 RIMNOR=0.1713E-27
           RENORM= 262.9     REMNOR=0.2464E-53 RATIO =0.6524E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2238E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6175E+05 RDR   =0.1000E-19
           RATIOT=0.6524E-01 RATIOR= 0.000
           MAX UN= 4.922     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.1245E-17 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6175E+05 RIMNOR=0.1713E-27
           RENORM= 7.678     REMNOR=0.6000E-23 RATIO =0.1115E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2238E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6175E+05 RDR   =0.1000E-19
           RATIOT=0.1115E-01 RATIOR= 0.000
           MAX UN= 2.045     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3922E-11 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6175E+05 RIMNOR=0.1713E-27
           RENORM= 3.287     REMNOR=0.2675E-23 RATIO =0.7296E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2238E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6175E+05 RDR   =0.1000E-19
           RATIOT=0.7296E-02 RATIOR= 0.000
           MAX UN= 1.559     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1720E-10 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6175E+05 RIMNOR=0.1713E-27
           RENORM=0.1077     REMNOR=0.1577E-23 RATIO =0.1321E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2238E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6175E+05 RDR   =0.1000E-19
           RATIOT=0.1321E-02 RATIOR= 0.000
           MAX UN=0.3279     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.7068E-11 IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6175E+05 RIMNOR=0.1713E-27
           RENORM=0.6867E-21 REMNOR=0.1297E-23 RATIO =0.1055E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.03     RMMAX =0.2238E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6175E+05 RDR   =0.1000E-19
           RATIOT=0.1055E-12 RATIOR= 0.000
           MAX UN=0.1578E-10 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1242E-10 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1326186E-04  -7.1336694E-05
    2   1.9899452E-04  -7.1336694E-05
    3   1.8472958E-04  -7.1300691E-05
    4   1.7048394E-04  -7.1119321E-05
    5   1.5630386E-04  -7.0607938E-05
    6   1.4228020E-04  -6.9504941E-05
    7   1.2856397E-04  -6.7470659E-05
    8   1.1536717E-04  -6.4307975E-05
    9   1.0290900E-04  -6.0121979E-05
   10   9.1370576E-05  -5.5152966E-05
   11   8.0882048E-05  -4.9670391E-05
   12   7.1518077E-05  -4.3952946E-05
   13   6.3300368E-05  -3.8243012E-05
   14   5.6208077E-05  -3.2725009E-05
   15   5.0188611E-05  -2.7533311E-05
   16   4.5166865E-05  -2.2759931E-05
   17   4.1052939E-05  -1.8461755E-05
   18   3.7748560E-05  -1.4667309E-05
   19   3.5152029E-05  -1.1382660E-05
   20   3.3162281E-05  -8.5962362E-06
   21   3.1682052E-05  -6.2821517E-06
   22   3.0620379E-05  -4.4037970E-06
   23   2.9894368E-05  -2.9179129E-06
   24   2.9430163E-05  -1.7777926E-06
   25   2.9163372E-05  -9.3586715E-07
   26   2.9039034E-05  -3.4568042E-07
   27   2.9011242E-05   3.6649759E-08
   28   2.9042523E-05   2.5141457E-07
   29   2.9103039E-05   3.3463863E-07
   30   2.9169702E-05   3.1771475E-07
   31   2.9225222E-05   2.2725565E-07
   32   2.9257179E-05   8.5423757E-08
   33   2.9257188E-05  -8.9458889E-08
   34   2.9220185E-05  -2.8249693E-07
   35   2.9143765E-05  -4.8190451E-07
   36   2.9027601E-05  -6.7865175E-07
   37   2.8872925E-05  -8.6609913E-07
   38   2.8682089E-05  -1.0396412E-06
   39   2.8458190E-05  -1.1963575E-06
   40   2.8204771E-05  -1.3346986E-06
   41   2.7925567E-05  -1.4541969E-06
   42   2.7624324E-05  -1.5552124E-06
   43   2.7304650E-05  -1.6387129E-06
   44   2.6969914E-05  -1.7060868E-06
   45   2.6623182E-05  -1.7589884E-06
   46   2.6267165E-05  -1.7992134E-06
   47   2.5904219E-05  -1.8285985E-06
   48   2.5536329E-05  -1.8489464E-06
   49   2.5165129E-05  -1.8619696E-06
   50   2.4791925E-05  -1.8692507E-06
   51   2.4417718E-05  -1.8722167E-06
   52   2.4043233E-05  -1.8721232E-06
   53   2.3669010E-05  -1.8700472E-06
   54   2.3295306E-05  -1.8668850E-06
   55   2.2922281E-05  -1.8633542E-06
   56   2.2549952E-05  -1.8599983E-06
   57   2.2178245E-05  -1.8571908E-06
   58   2.1807025E-05  -1.8551405E-06
   59   2.1436135E-05  -1.8538950E-06
   60   2.1065421E-05  -1.8533433E-06
   61   2.0694751E-05  -1.8532172E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.1326E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4922     -1.9899E-04   2.201      0.5481       2.201       4.391          ACTIVE   0.000     -0.2000       1.913
1.000       1.000       2.461       0.000       0.000     Ug5_2_8_L_0
   3 D   1.003     -1.8473E-04   4.775       1.189       4.775       7.857          ACTIVE   0.000     -0.4000       3.826
1.000       1.000       5.015       0.000       0.000     Ug5_2_8_L_0
   4 D   1.521     -1.7048E-04   7.503       1.868       7.503       10.57          ACTIVE   0.000     -0.6000       5.739
1.000       1.000       7.607       0.000       0.000     Ug5_2_8_L_0
   5 D   2.055     -1.5630E-04   10.54       2.623       10.54       12.90          ACTIVE   0.000     -0.8000       7.652
1.000       1.000       10.28       0.000       0.000     Ug5_2_8_L_0
   6 D   2.589     -1.4228E-04   13.57       3.379       13.57       15.05          ACTIVE   0.000      -1.000       9.565
1.000       1.000       12.94       0.000       0.000     Ug5_2_8_L_0
   7 D   3.102     -1.2856E-04   16.18       4.029       16.18       17.09          ACTIVE   0.000      -1.200       11.48
1.000       1.000       15.51       0.000       0.000     Ug5_2_8_L_0
   8 D   3.610     -1.1537E-04   18.71       4.659       18.71       19.05          ACTIVE   0.000      -1.400       13.39
1.000       1.000       18.05       0.000       0.000     Ug5_2_8_L_0
   9 D   4.123     -1.0291E-04   21.33       5.311       21.33       20.96          ACTIVE   0.000      -1.600       15.30
1.000       1.000       20.62       0.000       0.000     Ug5_2_8_L_0
  10 D   4.627     -9.1371E-05   23.77       5.918       23.77       22.80          ACTIVE   0.000      -1.800       17.22
1.000       1.000       23.14       0.000       0.000     Ug5_2_8_L_0
  11 D   5.397     -8.0882E-05   26.31       7.854       26.31       24.58           UL-RL  2.0684E+05  -2.000       19.13
1.000       1.000       26.98       0.000       0.000     Ug5_2_8_L_0
  12 D   6.513     -7.1518E-05   28.73       11.52       28.73       26.31           UL-RL  2.0684E+05  -2.200       21.04
1.000       1.000       32.56       0.000       0.000     Ug5_2_8_L_0
  13 D   7.569     -6.3300E-05   31.25       14.89       31.25       27.98           UL-RL  2.0684E+05  -2.400       22.96
1.000       1.000       37.85       0.000       0.000     Ug5_2_8_L_0
  14 D   8.569     -5.6208E-05   33.67       17.97       33.67       29.60           UL-RL  2.0684E+05  -2.600       24.87
1.000       1.000       42.84       0.000       0.000     Ug5_2_8_L_0
  15 D   9.513     -5.0189E-05   36.19       20.78       36.19       31.16           UL-RL  2.0684E+05  -2.800       26.78
1.000       1.000       47.57       0.000       0.000     Ug5_2_8_L_0
  16 D   10.41     -4.5167E-05   38.64       23.33       38.64       32.68           UL-RL  2.0684E+05  -3.000       28.70
1.000       1.000       52.03       0.000       0.000     Ug5_2_8_L_0
  17 D   11.25     -4.1053E-05   41.16       25.65       41.16       34.14           UL-RL  2.0684E+05  -3.200       30.61
1.000       1.000       56.25       0.000       0.000     Ug5_2_8_L_0
  18 D   12.05     -3.7749E-05   43.63       27.74       43.63       35.55           UL-RL  2.0684E+05  -3.400       32.52
1.000       1.000       60.26       0.000       0.000     Ug5_2_8_L_0
  19 D   12.82     -3.5152E-05   46.10       29.65       46.10       36.92           UL-RL  2.0684E+05  -3.600       34.43
1.000       1.000       64.08       0.000       0.000     Ug5_2_8_L_0
  20 D   13.55     -3.3162E-05   48.64       31.39       48.64       38.25           UL-RL  2.0684E+05  -3.800       36.35
1.000       1.000       67.73       0.000       0.000     Ug5_2_8_L_0
  21 D   14.25     -3.1682E-05   51.12       32.98       51.12       39.53           UL-RL  2.0684E+05  -4.000       38.26
1.000       1.000       71.24       0.000       0.000     Ug5_2_8_L_0
  22 D   14.92     -3.0620E-05   53.66       34.45       53.66       40.78           UL-RL  2.0684E+05  -4.200       40.17
1.000       1.000       74.62       0.000       0.000     Ug5_2_8_L_0
  23 D   15.58     -2.9894E-05   56.15       35.81       56.15       42.00           UL-RL  2.0684E+05  -4.400       42.09
1.000       1.000       77.90       0.000       0.000     Ug5_2_8_L_0
  24 D   16.22     -2.9430E-05   58.69       37.09       58.69       43.18           UL-RL  2.0684E+05  -4.600       44.00
1.000       1.000       81.09       0.000       0.000     Ug5_2_8_L_0
  25 D   16.84     -2.9163E-05   61.18       38.30       61.18       44.33           UL-RL  2.0684E+05  -4.800       45.91
1.000       1.000       84.22       0.000       0.000     Ug5_2_8_L_0
  26 D   17.46     -2.9039E-05   63.67       39.46       63.67       45.46           UL-RL  2.0684E+05  -5.000       47.83
1.000       1.000       87.28       0.000       0.000     Ug5_2_8_L_0
  27 D   18.06     -2.9011E-05   65.98       40.56       65.98       46.56           UL-RL  2.0684E+05  -5.200       49.74
1.000       1.000       90.30       0.000       0.000     Ug5_2_8_L_0
  28 D   18.66     -2.9043E-05   68.30       41.64       68.30       47.64           UL-RL  2.0684E+05  -5.400       51.65
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1.000	1.000	93.29	0.000	0.000	Ug5_2_8_L_0						
29 D	19.25	-2.9103E-05	70.62	42.68	70.62	48.70	UL-RL	2.0684E+05	-5.600	53.57	
1.000	1.000	96.25	0.000	0.000	Ug5_2_8_L_0						
30 D	19.84	-2.9170E-05	72.95	43.71	72.95	49.74	UL-RL	2.0684E+05	-5.800	55.48	
1.000	1.000	99.19	0.000	0.000	Ug5_2_8_L_0						
31 D	20.42	-2.9225E-05	75.27	44.72	75.27	50.76	UL-RL	2.0684E+05	-6.000	57.39	
1.000	1.000	102.1	0.000	0.000	Ug5_2_8_L_0						
32 D	21.00	-2.9257E-05	77.60	45.72	77.60	51.77	UL-RL	2.0684E+05	-6.200	59.30	
1.000	1.000	105.0	0.000	0.000	Ug5_2_8_L_0						
33 D	21.59	-2.9257E-05	79.93	46.71	79.93	52.76	UL-RL	2.0684E+05	-6.400	61.22	
1.000	1.000	107.9	0.000	0.000	Ug5_2_8_L_0						
34 D	22.17	-2.9220E-05	82.50	47.70	82.50	53.74	UL-RL	2.0684E+05	-6.600	63.13	
1.000	1.000	110.8	0.000	0.000	Ug5_2_8_L_0						
35 D	22.74	-2.9144E-05	84.97	48.68	84.97	54.71	UL-RL	2.0684E+05	-6.800	65.04	
1.000	1.000	113.7	0.000	0.000	Ug5_2_8_L_0						
36 D	23.32	-2.9028E-05	87.99	49.66	87.99	55.67	UL-RL	2.0684E+05	-7.000	66.96	
1.000	1.000	116.6	0.000	0.000	Ug5_2_8_L_0						
37 D	23.90	-2.8873E-05	90.43	50.64	90.43	56.61	UL-RL	2.0684E+05	-7.200	68.87	
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0						
38 D	24.48	-2.8682E-05	93.39	51.62	93.39	57.55	UL-RL	2.0684E+05	-7.400	70.78	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
39 D	25.06	-2.8458E-05	95.79	52.60	95.79	58.49	UL-RL	2.0684E+05	-7.600	72.70	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
40 D	25.64	-2.8205E-05	98.69	53.58	98.69	59.41	UL-RL	2.0684E+05	-7.800	74.61	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
41 D	26.22	-2.7926E-05	101.6	54.55	101.6	60.33	UL-RL	2.0684E+05	-8.000	76.52	
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0						
42 D	26.79	-2.7624E-05	103.9	55.53	103.9	61.24	UL-RL	2.0684E+05	-8.200	78.43	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
43 D	27.37	-2.7305E-05	106.7	56.51	106.7	62.15	UL-RL	2.0684E+05	-8.400	80.35	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
44 D	27.95	-2.6970E-05	109.1	57.48	109.1	63.06	UL-RL	2.0684E+05	-8.600	82.26	
1.000	1.000	139.7	0.000	0.000	Ug5_2_8_L_0						
45 D	28.53	-2.6623E-05	111.9	58.45	111.9	63.96	UL-RL	2.0684E+05	-8.800	84.17	
1.000	1.000	142.6	0.000	0.000	Ug5_2_8_L_0						
46 D	29.10	-2.6267E-05	114.2	59.42	114.2	64.86	UL-RL	2.0684E+05	-9.000	86.09	
1.000	1.000	145.5	0.000	0.000	Ug5_2_8_L_0						
47 D	29.68	-2.5904E-05	116.9	60.39	116.9	65.75	UL-RL	2.0684E+05	-9.200	88.00	
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0						
48 D	30.25	-2.5536E-05	119.2	61.36	119.2	66.64	UL-RL	2.0684E+05	-9.400	89.91	
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
49 D	30.83	-2.5165E-05	121.9	62.33	121.9	67.53	UL-RL	2.0684E+05	-9.600	91.83	
1.000	1.000	154.2	0.000	0.000	Ug5_2_8_L_0						
50 D	31.41	-2.4792E-05	124.2	63.29	124.2	68.42	UL-RL	2.0684E+05	-9.800	93.74	
1.000	1.000	157.0	0.000	0.000	Ug5_2_8_L_0						
51 D	31.98	-2.4418E-05	126.9	64.26	126.9	69.31	UL-RL	2.0684E+05	-10.00	95.65	
1.000	1.000	159.9	0.000	0.000	Ug5_2_8_L_0						
52 D	32.56	-2.4043E-05	129.1	65.22	129.1	70.19	UL-RL	2.0684E+05	-10.20	97.57	
1.000	1.000	162.8	0.000	0.000	Ug5_2_8_L_0						
53 D	33.13	-2.3669E-05	131.8	66.18	131.8	71.08	UL-RL	2.0684E+05	-10.40	99.48	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
54 D	33.71	-2.3295E-05	134.4	67.14	134.4	71.96	UL-RL	2.0684E+05	-10.60	101.4	
1.000	1.000	168.5	0.000	0.000	Ug5_2_8_L_0						
55 D	34.28	-2.2922E-05	136.7	68.11	136.7	72.85	UL-RL	2.0684E+05	-10.80	103.3	
1.000	1.000	171.4	0.000	0.000	Ug5_2_8_L_0						
56 D	34.86	-2.2550E-05	139.3	69.07	139.3	73.73	UL-RL	2.0684E+05	-11.00	105.2	
1.000	1.000	174.3	0.000	0.000	Ug5_2_8_L_0						
57 D	35.43	-2.2178E-05	141.5	70.03	141.5	74.61	UL-RL	2.0684E+05	-11.20	107.1	
1.000	1.000	177.2	0.000	0.000	Ug5_2_8_L_0						
58 D	36.01	-2.1807E-05	144.1	70.99	144.1	75.50	UL-RL	2.0684E+05	-11.40	109.0	
1.000	1.000	180.0	0.000	0.000	Ug5_2_8_L_0						
59 D	36.58	-2.1436E-05	146.3	71.94	146.3	76.38	UL-RL	2.0684E+05	-11.60	111.0	
1.000	1.000	182.9	0.000	0.000	Ug5_2_8_L_0						
60 D	37.15	-2.1065E-05	148.9	72.90	148.9	77.26	UL-RL	2.0684E+05	-11.80	112.9	
1.000	1.000	185.8	0.000	0.000	Ug5_2_8_L_0						
61 D	18.86	-2.0695E-05	151.1	73.86	151.1	78.15	UL-RL	2.0684E+05	-12.00	114.8	
1.000	1.000	188.6	0.000	0.000	Ug5_2_8_L_0						

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:23:40                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      1.4228E-04   0.000       0.000       10.00       14.83         PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.995      1.2856E-04   1.913       12.89       12.00       16.83         PASSIVE   0.000      -1.200       2.087
1.000       1.000       14.98       0.000       0.000     Ug5_2_8_L_0
   8 D   5.153      1.1537E-04   3.826       21.59       14.00       21.59           V-C  3.4277E+04  -1.400       4.174
1.000       1.000       25.76       0.000       0.000     Ug5_2_8_L_0
   9 D   5.865      1.0291E-04   5.739       23.07       16.00       23.07           V-C  3.4277E+04  -1.600       6.261
1.000       1.000       29.33       0.000       0.000     Ug5_2_8_L_0
  10 D   6.569      9.1371E-05   7.652       24.50       18.00       24.50           V-C  3.4277E+04  -1.800       8.348
1.000       1.000       32.84       0.000       0.000     Ug5_2_8_L_0
  11 D   7.266      8.0882E-05   9.565       25.89       20.00       25.89           V-C  3.4277E+04  -2.000       10.43
1.000       1.000       36.33       0.000       0.000     Ug5_2_8_L_0
  12 D   7.958      7.1518E-05   11.48       27.27       22.00       27.27           V-C  3.4277E+04  -2.200       12.52
1.000       1.000       39.79       0.000       0.000     Ug5_2_8_L_0
  13 D   8.646      6.3300E-05   13.39       28.62       24.00       28.62           V-C  3.4277E+04  -2.400       14.61
1.000       1.000       43.23       0.000       0.000     Ug5_2_8_L_0
  14 D   9.330      5.6208E-05   15.30       29.95       26.00       29.95           V-C  3.4277E+04  -2.600       16.70
1.000       1.000       46.65       0.000       0.000     Ug5_2_8_L_0
  15 D   10.01      5.0189E-05   17.22       31.27       28.00       31.27           V-C  3.4277E+04  -2.800       18.78
1.000       1.000       50.05       0.000       0.000     Ug5_2_8_L_0
  16 D   10.69      4.5167E-05   19.13       32.56       30.00       32.56           V-C  3.4277E+04  -3.000       20.87
1.000       1.000       53.43       0.000       0.000     Ug5_2_8_L_0
  17 D   11.36      4.1053E-05   21.04       33.84       32.00       33.84           V-C  3.4277E+04  -3.200       22.96
1.000       1.000       56.80       0.000       0.000     Ug5_2_8_L_0
  18 D   12.03      3.7749E-05   22.96       35.10       34.00       35.10           V-C  3.4277E+04  -3.400       25.04
1.000       1.000       60.14       0.000       0.000     Ug5_2_8_L_0
  19 D   12.68      3.5152E-05   24.87       36.29       36.00       36.35         UL-RL  1.0283E+05  -3.600       27.13
1.000       1.000       63.42       0.000       0.000     Ug5_2_8_L_0
  20 D   13.33      3.3162E-05   26.78       37.41       38.00       37.60         UL-RL  1.0283E+05  -3.800       29.22
1.000       1.000       66.63       0.000       0.000     Ug5_2_8_L_0
  21 D   13.97      3.1682E-05   28.70       38.54       40.00       38.82         UL-RL  1.0283E+05  -4.000       31.30
1.000       1.000       69.85       0.000       0.000     Ug5_2_8_L_0
  22 D   14.61      3.0620E-05   30.61       39.67       42.00       40.01         UL-RL  1.0283E+05  -4.200       33.39
1.000       1.000       73.06       0.000       0.000     Ug5_2_8_L_0
  23 D   15.25      2.9894E-05   32.52       40.79       44.00       41.16         UL-RL  1.0283E+05  -4.400       35.48
1.000       1.000       76.27       0.000       0.000     Ug5_2_8_L_0
  24 D   15.89      2.9430E-05   34.43       41.91       46.00       42.28         UL-RL  1.0283E+05  -4.600       37.57
1.000       1.000       79.47       0.000       0.000     Ug5_2_8_L_0
  25 D   16.53      2.9163E-05   36.35       43.01       48.00       43.37         UL-RL  1.0283E+05  -4.800       39.65
1.000       1.000       82.66       0.000       0.000     Ug5_2_8_L_0
  26 D   17.17      2.9039E-05   38.26       44.10       50.00       44.44         UL-RL  1.0283E+05  -5.000       41.74
1.000       1.000       85.84       0.000       0.000     Ug5_2_8_L_0
  27 D   17.80      2.9011E-05   40.17       45.17       52.00       45.48         UL-RL  1.0283E+05  -5.200       43.83
1.000       1.000       88.99       0.000       0.000     Ug5_2_8_L_0
  28 D   18.43      2.9043E-05   42.09       46.22       54.00       46.50         UL-RL  1.0283E+05  -5.400       45.91
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1.000	1.000	92.13	0.000	0.000	Ug5_2_8_L_0						
29 D	19.05	2.9103E-05	44.00	47.25	56.00	47.50	UL-RL	1.0283E+05	-5.600	48.00	
1.000	1.000	95.25	0.000	0.000	Ug5_2_8_L_0						
30 D	19.67	2.9170E-05	45.91	48.27	58.00	48.48	UL-RL	1.0283E+05	-5.800	50.09	
1.000	1.000	98.36	0.000	0.000	Ug5_2_8_L_0						
31 D	20.28	2.9225E-05	47.83	49.25	60.00	49.46	UL-RL	1.0283E+05	-6.000	52.17	
1.000	1.000	101.4	0.000	0.000	Ug5_2_8_L_0						
32 D	20.89	2.9257E-05	49.74	50.20	62.00	50.42	UL-RL	1.0283E+05	-6.200	54.26	
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
33 D	21.49	2.9257E-05	51.65	51.13	64.00	51.37	UL-RL	1.0283E+05	-6.400	56.35	
1.000	1.000	107.5	0.000	0.000	Ug5_2_8_L_0						
34 D	22.09	2.9220E-05	53.57	52.04	66.00	52.31	UL-RL	1.0283E+05	-6.600	58.43	
1.000	1.000	110.5	0.000	0.000	Ug5_2_8_L_0						
35 D	22.69	2.9144E-05	55.48	52.94	68.00	53.23	UL-RL	1.0283E+05	-6.800	60.52	
1.000	1.000	113.5	0.000	0.000	Ug5_2_8_L_0						
36 D	23.29	2.9028E-05	57.39	53.82	70.00	54.14	UL-RL	1.0283E+05	-7.000	62.61	
1.000	1.000	116.4	0.000	0.000	Ug5_2_8_L_0						
37 D	23.88	2.8873E-05	59.30	54.69	72.00	55.05	UL-RL	1.0283E+05	-7.200	64.70	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
38 D	24.47	2.8682E-05	61.22	55.55	74.00	55.95	UL-RL	1.0283E+05	-7.400	66.78	
1.000	1.000	122.3	0.000	0.000	Ug5_2_8_L_0						
39 D	25.05	2.8458E-05	63.13	56.39	76.00	56.83	UL-RL	1.0283E+05	-7.600	68.87	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
40 D	25.64	2.8205E-05	65.04	57.23	78.00	57.72	UL-RL	1.0283E+05	-7.800	70.96	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
41 D	26.22	2.7926E-05	66.96	58.06	80.00	58.59	UL-RL	1.0283E+05	-8.000	73.04	
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0						
42 D	26.80	2.7624E-05	68.87	58.88	82.00	59.46	UL-RL	1.0283E+05	-8.200	75.13	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
43 D	27.38	2.7305E-05	70.78	59.69	84.00	60.33	UL-RL	1.0283E+05	-8.400	77.22	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
44 D	27.96	2.6970E-05	72.70	60.50	86.00	61.19	UL-RL	1.0283E+05	-8.600	79.30	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
45 D	28.54	2.6623E-05	74.61	61.30	88.00	62.05	UL-RL	1.0283E+05	-8.800	81.39	
1.000	1.000	142.7	0.000	0.000	Ug5_2_8_L_0						
46 D	29.11	2.6267E-05	76.52	62.09	90.00	62.90	UL-RL	1.0283E+05	-9.000	83.48	
1.000	1.000	145.6	0.000	0.000	Ug5_2_8_L_0						
47 D	29.69	2.5904E-05	78.43	62.89	92.00	63.75	UL-RL	1.0283E+05	-9.200	85.57	
1.000	1.000	148.5	0.000	0.000	Ug5_2_8_L_0						
48 D	30.27	2.5536E-05	80.35	63.68	94.00	64.60	UL-RL	1.0283E+05	-9.400	87.65	
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
49 D	30.84	2.5165E-05	82.26	64.47	96.00	65.45	UL-RL	1.0283E+05	-9.600	89.74	
1.000	1.000	154.2	0.000	0.000	Ug5_2_8_L_0						
50 D	31.42	2.4792E-05	84.17	65.25	98.00	66.29	UL-RL	1.0283E+05	-9.800	91.83	
1.000	1.000	157.1	0.000	0.000	Ug5_2_8_L_0						
51 D	31.99	2.4418E-05	86.09	66.04	100.00	67.13	UL-RL	1.0283E+05	-10.00	93.91	
1.000	1.000	160.0	0.000	0.000	Ug5_2_8_L_0						
52 D	32.56	2.4043E-05	88.00	66.82	102.0	67.98	UL-RL	1.0283E+05	-10.20	96.00	
1.000	1.000	162.8	0.000	0.000	Ug5_2_8_L_0						
53 D	33.14	2.3669E-05	89.91	67.60	104.0	68.82	UL-RL	1.0283E+05	-10.40	98.09	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
54 D	33.71	2.3295E-05	91.83	68.38	106.0	69.66	UL-RL	1.0283E+05	-10.60	100.2	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
55 D	34.29	2.2922E-05	93.74	69.16	108.0	70.50	UL-RL	1.0283E+05	-10.80	102.3	
1.000	1.000	171.4	0.000	0.000	Ug5_2_8_L_0						
56 D	34.86	2.2550E-05	95.65	69.95	110.0	71.34	UL-RL	1.0283E+05	-11.00	104.3	
1.000	1.000	174.3	0.000	0.000	Ug5_2_8_L_0						
57 D	35.43	2.2178E-05	97.57	70.73	112.0	72.18	UL-RL	1.0283E+05	-11.20	106.4	
1.000	1.000	177.2	0.000	0.000	Ug5_2_8_L_0						
58 D	36.01	2.1807E-05	99.48	71.51	114.0	73.02	UL-RL	1.0283E+05	-11.40	108.5	
1.000	1.000	180.0	0.000	0.000	Ug5_2_8_L_0						
59 D	36.58	2.1436E-05	101.4	72.29	116.0	73.86	UL-RL	1.0283E+05	-11.60	110.6	
1.000	1.000	182.9	0.000	0.000	Ug5_2_8_L_0						
60 D	37.15	2.1065E-05	103.3	73.07	118.0	74.70	UL-RL	1.0283E+05	-11.80	112.7	
1.000	1.000	185.8	0.000	0.000	Ug5_2_8_L_0						
61 D	18.86	2.0695E-05	105.2	73.85	120.0	75.54	UL-RL	1.0283E+05	-12.00	114.8	
1.000	1.000	188.6	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.76401E-12-2.76401E-12 2.74447E-13 1.22569E-13
    2 0.49223    -0.49223    -1.17240E-13 9.84459E-02
    3  1.4952     -1.4952    -9.84459E-02 0.39749
    4  3.0167     -3.0167    -0.39749      1.0008
    5  5.0718     -5.0718     -1.0008      2.0152
    6  7.6606     -7.6606     -2.0152      3.5473
    7  7.7668     -7.7668     -3.5473      5.1007
    8  6.2238     -6.2238     -5.1007      6.3454
    9  4.4815     -4.4815     -6.3454      7.2417
   10  2.5399     -2.5399     -7.2417      7.7497
   11 0.67124    -0.67124     -7.7497      7.8839
   12-0.77393     0.77393     -7.8839      7.7292
   13 -1.8501      1.8501     -7.7292      7.3591
   14 -2.6111      2.6111     -7.3591      6.8369
   15 -3.1081      3.1081     -6.8369      6.2153
   16 -3.3891      3.3891     -6.2153      5.5375
   17 -3.4975      3.4975     -5.5375      4.8380
   18 -3.4723      3.4723     -4.8380      4.1435
   19 -3.3393      3.3393     -4.1435      3.4756
   20 -3.1183      3.1183     -3.4756      2.8520
   21 -2.8391      2.8391     -2.8520      2.2841
   22 -2.5267      2.5267     -2.2841      1.7788
   23 -2.2006      2.2006     -1.7788      1.3387
   24 -1.8763      1.8763     -1.3387     0.96344
   25 -1.5654      1.5654    -0.96344     0.65035
   26 -1.2763      1.2763    -0.65035     0.39509
   27 -1.0146      1.0146    -0.39509     0.19216
   28-0.78378     0.78378    -0.19216     3.54054E-02
   29-0.58543     0.58543    -3.54054E-02-8.16816E-02
   30-0.41993     0.41993     8.16816E-02-0.16567
   31-0.28244     0.28244     0.16567    -0.22216
   32-0.16941     0.16941     0.22216    -0.25604
   33-7.88050E-02 7.88050E-02 0.25604    -0.27180
   34-8.27863E-03 8.27863E-03 0.27180    -0.27346
   35 4.46505E-02-4.46505E-02 0.27346    -0.26453
   36 8.24835E-02-8.24835E-02 0.26453    -0.24803
   37 0.10764    -0.10764     0.24803    -0.22650
   38 0.12240    -0.12240     0.22650    -0.20202
   39 0.12883    -0.12883     0.20202    -0.17626
   40 0.12879    -0.12879     0.17626    -0.15050
   41 0.12390    -0.12390     0.15050    -0.12572
   42 0.11556    -0.11556     0.12572    -0.10260
   43 0.10492    -0.10492     0.10260    -8.16206E-02
   44 9.29394E-02-9.29394E-02 8.16206E-02-6.30328E-02
   45 8.03768E-02-8.03768E-02 6.30328E-02-4.69575E-02
   46 6.78253E-02-6.78253E-02 4.69575E-02-3.33924E-02
   47 5.57303E-02-5.57303E-02 3.33924E-02-2.22464E-02
   48 4.44127E-02-4.44127E-02 2.22464E-02-1.33638E-02
   49 3.40916E-02-3.40916E-02 1.33638E-02-6.54552E-03
   50 2.49041E-02-2.49041E-02 6.54552E-03-1.56470E-03
   51 1.69246E-02-1.69246E-02 1.56470E-03 1.82031E-03
   52 1.01811E-02-1.01811E-02-1.82031E-03 3.85643E-03
   53 4.66988E-03-4.66988E-03-3.85643E-03 4.79041E-03
   54 3.67801E-04-3.67801E-04-4.79041E-03 4.86397E-03
   55-2.75770E-03 2.75770E-03-4.86397E-03 4.31243E-03
   56-4.74074E-03 4.74074E-03-4.31243E-03 3.36428E-03
   57-5.61133E-03 5.61133E-03-3.36428E-03 2.24201E-03
   58-5.39167E-03 5.39167E-03-2.24201E-03 1.16368E-03
   59-4.09456E-03 4.09456E-03-1.16368E-03 3.44768E-04
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   60-1.72376E-03 1.72376E-03-3.44768E-04-7.21177E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM= 384.0     REMNOR=0.1297E-23 RATIO =0.8364E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.8364E-01 RATIOR= 0.000
           MAX UN= 7.171     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.4743E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM= 53.47     REMNOR=0.3003E-22 RATIO =0.3121E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.3121E-01 RATIOR= 0.000
           MAX UN= 2.490     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.9345E-11 IEQ=    69 NODE     35 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM= 136.4     REMNOR=0.5767E-21 RATIO =0.4985E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.4985E-01 RATIOR= 0.000
           MAX UN= 8.191     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.2299E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM= 16.98     REMNOR=0.3600E-21 RATIO =0.1759E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.1759E-01 RATIOR= 0.000
           MAX UN= 3.554     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.7361E-10 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM=0.4048E-01 REMNOR=0.2780E-21 RATIO =0.8587E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.8587E-03 RATIOR= 0.000
           MAX UN=0.1887     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1253E-09 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5489E+05 RIMNOR= 1124.
           RENORM=0.7182E-19 REMNOR=0.7695E-21 RATIO =0.1144E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.60     RMMAX = 7.884
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5489E+05 RDR   = 1124.
           RATIOT=0.1144E-11 RATIOR= 0.000
           MAX UN=0.1118E-09 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           MIN UN=-.1292E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.9933021E-03  -7.1101536E-04
    2   2.8510990E-03  -7.1101536E-04
    3   2.7088983E-03  -7.1098040E-04
    4   2.5667163E-03  -7.1080424E-04
    5   2.4245980E-03  -7.1030745E-04
    6   2.2826316E-03  -7.0923572E-04
    7   2.1409640E-03  -7.0725875E-04
    8   1.9998155E-03  -7.0397181E-04
    9   1.8594945E-03  -6.9889754E-04
   10   1.7204123E-03  -6.9148595E-04
   11   1.5830974E-03  -6.8111475E-04
   12   1.4482100E-03  -6.6708963E-04
   13   1.3165421E-03  -6.4885546E-04
   14   1.1889620E-03  -6.2620748E-04
   15   1.0663437E-03  -5.9929130E-04
   16   9.4949700E-04  -5.6860290E-04
   17   8.3910812E-04  -5.3482258E-04
   18   7.3572865E-04  -4.9862357E-04
   19   6.3977725E-04  -4.6064609E-04
   20   5.5154804E-04  -4.2150124E-04
   21   4.7121597E-04  -3.8177416E-04
   22   3.9884014E-04  -3.4202681E-04
   23   3.3437035E-04  -3.0280289E-04
   24   2.7764886E-04  -2.6463081E-04
   25   2.2841343E-04  -2.2802769E-04
   26   1.8629921E-04  -1.9350312E-04
   27   1.5084461E-04  -1.6149460E-04
   28   1.2151406E-04  -1.3229850E-04
   29   9.7726549E-05  -1.0608240E-04
   30   7.8878243E-05  -8.2909188E-05
   31   6.4361676E-05  -6.2753936E-05
   32   5.3582316E-05  -4.5514726E-05
   33   4.5972335E-05  -3.1028136E-05
   34   4.1001282E-05  -1.9088239E-05
   35   3.8182805E-05  -9.4618579E-06
   36   3.7078803E-05  -1.9015145E-06
   37   3.7301222E-05   3.8442141E-06
   38   3.8512006E-05   8.0227057E-06
   39   4.0421624E-05   1.0870990E-05
   40   4.2786546E-05   1.2611435E-05
   41   4.5405987E-05   1.3448711E-05
   42   4.8118164E-05   1.3567983E-05
   43   5.0796301E-05   1.3134068E-05
   44   5.3344539E-05   1.2291366E-05
   45   5.5693884E-05   1.1164388E-05
   46   5.7798367E-05   9.8586894E-06
   47   5.9631304E-05   8.4621574E-06
   48   6.1181951E-05   7.0464385E-06
   49   6.2452397E-05   5.6684785E-06
   50   6.3454775E-05   4.3720837E-06
   51   6.4208806E-05   3.1894039E-06
   52   6.4739592E-05   2.1423653E-06
   53   6.5075668E-05   1.2440778E-06
   54   6.5247463E-05   4.9965661E-07
   55   6.5285687E-05  -9.2418268E-08
   56   6.5220148E-05  -5.3970375E-07
   57   6.5078599E-05  -8.5509601E-07
   58   6.4885720E-05  -1.0563384E-06
   59   6.4662190E-05  -1.1656719E-06
   60   6.4423811E-05  -1.2096085E-06
   61   6.4180651E-05  -1.2188037E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:23:40                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.9933E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4780     -2.8511E-03   2.296      0.5717       2.296       4.391          ACTIVE   0.000      -0.2000       1.818
1.000       1.000       2.390       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9745     -2.7089E-03   4.964       1.236       4.964       7.857          ACTIVE   0.000      -0.4000       3.636
1.000       1.000       4.872       0.000       0.000     Ug5_2_8_L_0
   4 D   1.479     -2.5667E-03   7.787       1.939       7.787       10.57          ACTIVE   0.000      -0.6000       5.455
1.000       1.000       7.394       0.000       0.000     Ug5_2_8_L_0
   5 D   1.998     -2.4246E-03   10.92       2.718       10.92       12.90          ACTIVE   0.000      -0.8000       7.273
1.000       1.000       9.991       0.000       0.000     Ug5_2_8_L_0
   6 D   2.518     -2.2826E-03   14.04       3.497       14.04       15.05          ACTIVE   0.000       -1.000       9.091
1.000       1.000       12.59       0.000       0.000     Ug5_2_8_L_0
   7 D   3.016     -2.1410E-03   16.75       4.171       16.75       17.09          ACTIVE   0.000       -1.200       10.91
1.000       1.000       15.08       0.000       0.000     Ug5_2_8_L_0
   8 D   3.510     -1.9998E-03   19.37       4.824       19.37       19.05          ACTIVE   0.000       -1.400       12.73
1.000       1.000       17.55       0.000       0.000     Ug5_2_8_L_0
   9 D   4.009     -1.8595E-03   22.09       5.500       22.09       20.96          ACTIVE   0.000       -1.600       14.55
1.000       1.000       20.05       0.000       0.000     Ug5_2_8_L_0
  10 D   4.499     -1.7204E-03   24.62       6.130       24.62       22.80          ACTIVE   0.000       -1.800       16.36
1.000       1.000       22.49       0.000       0.000     Ug5_2_8_L_0
  11 D   4.994     -1.5831E-03   27.26       6.787       27.26       24.58          ACTIVE   0.000       -2.000       18.18
1.000       1.000       24.97       0.000       0.000     Ug5_2_8_L_0
  12 D   5.483     -1.4482E-03   29.77       7.413       29.77       26.31          ACTIVE   0.000       -2.200       20.00
1.000       1.000       27.41       0.000       0.000     Ug5_2_8_L_0
  13 D   5.976     -1.3165E-03   32.38       8.064       32.38       27.98          ACTIVE   0.000       -2.400       21.82
1.000       1.000       29.88       0.000       0.000     Ug5_2_8_L_0
  14 D   6.466     -1.1890E-03   34.91       8.692       34.91       29.60          ACTIVE   0.000       -2.600       23.64
1.000       1.000       32.33       0.000       0.000     Ug5_2_8_L_0
  15 D   6.959     -1.0663E-03   37.52       9.343       37.52       31.16          ACTIVE   0.000       -2.800       25.45
1.000       1.000       34.80       0.000       0.000     Ug5_2_8_L_0
  16 D   7.450     -9.4950E-04   40.06       9.975       40.06       32.68          ACTIVE   0.000       -3.000       27.27
1.000       1.000       37.25       0.000       0.000     Ug5_2_8_L_0
  17 D   7.944     -8.3911E-04   42.68       10.63       42.68       34.14          ACTIVE   0.000       -3.200       29.09
1.000       1.000       39.72       0.000       0.000     Ug5_2_8_L_0
  18 D   8.435     -7.3573E-04   45.24       11.26       45.24       35.55          ACTIVE   0.000       -3.400       30.91
1.000       1.000       42.17       0.000       0.000     Ug5_2_8_L_0
  19 D   8.926     -6.3978E-04   47.81       11.90       47.81       36.92          ACTIVE   0.000       -3.600       32.73
1.000       1.000       44.63       0.000       0.000     Ug5_2_8_L_0
  20 D   9.421     -5.5155E-04   50.44       12.56       50.44       38.25          ACTIVE   0.000       -3.800       34.55
1.000       1.000       47.11       0.000       0.000     Ug5_2_8_L_0
  21 D   9.913     -4.7122E-04   53.02       13.20       53.02       39.53          ACTIVE   0.000       -4.000       36.36
1.000       1.000       49.57       0.000       0.000     Ug5_2_8_L_0
  22 D   10.41     -3.9884E-04   55.65       13.86       55.65       40.78          ACTIVE   0.000       -4.200       38.18
1.000       1.000       52.04       0.000       0.000     Ug5_2_8_L_0
  23 D   10.90     -3.3437E-04   58.24       14.50       58.24       42.00          ACTIVE   0.000       -4.400       40.00
1.000       1.000       54.50       0.000       0.000     Ug5_2_8_L_0
  24 D   11.40     -2.7765E-04   60.87       15.16       60.87       43.18          ACTIVE   0.000       -4.600       41.82
1.000       1.000       56.98       0.000       0.000     Ug5_2_8_L_0
  25 D   11.89     -2.2841E-04   63.46       15.80       63.46       44.33          ACTIVE   0.000       -4.800       43.64
1.000       1.000       59.44       0.000       0.000     Ug5_2_8_L_0
  26 D   13.32     -1.8630E-04   66.04       21.12       66.04       45.46           UL-RL  1.2410E+05  -5.000       45.45
1.000       1.000       66.58       0.000       0.000     Ug5_2_8_L_0
  27 D   14.79     -1.5084E-04   68.45       26.68       68.45       46.56           UL-RL  1.2410E+05  -5.200       47.27
1.000       1.000       73.95       0.000       0.000     Ug5_2_8_L_0
  28 D   16.11     -1.2151E-04   70.86       31.44       70.86       47.64           UL-RL  1.2410E+05  -5.400       49.09
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1.000	1.000	80.53	0.000	0.000	Ug5_2_8_L_0						
29 D	17.28	-9.7727E-05	73.28	35.49	73.28	48.70	UL-RL	1.2410E+05	-5.600	50.91	
1.000	1.000	86.40	0.000	0.000	Ug5_2_8_L_0						
30 D	18.33	-7.8878E-05	75.70	38.91	75.70	49.74	UL-RL	1.2410E+05	-5.800	52.73	
1.000	1.000	91.64	0.000	0.000	Ug5_2_8_L_0						
31 D	19.27	-6.4362E-05	78.12	41.78	78.12	50.76	UL-RL	1.2410E+05	-6.000	54.55	
1.000	1.000	96.33	0.000	0.000	Ug5_2_8_L_0						
32 D	20.11	-5.3582E-05	80.54	44.17	80.54	51.77	UL-RL	1.2410E+05	-6.200	56.36	
1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0						
33 D	20.87	-4.5972E-05	82.97	46.15	82.97	52.76	UL-RL	1.2410E+05	-6.400	58.18	
1.000	1.000	104.3	0.000	0.000	Ug5_2_8_L_0						
34 D	21.56	-4.1001E-05	85.63	47.80	85.63	53.74	UL-RL	1.2410E+05	-6.600	60.00	
1.000	1.000	107.8	0.000	0.000	Ug5_2_8_L_0						
35 D	22.20	-3.8183E-05	88.19	49.17	88.19	54.71	UL-RL	1.2410E+05	-6.800	61.82	
1.000	1.000	111.0	0.000	0.000	Ug5_2_8_L_0						
36 D	22.79	-3.7079E-05	91.31	50.32	91.31	55.67	UL-RL	1.2410E+05	-7.000	63.64	
1.000	1.000	114.0	0.000	0.000	Ug5_2_8_L_0						
37 D	23.35	-3.7301E-05	93.84	51.30	93.84	56.61	UL-RL	1.2410E+05	-7.200	65.45	
1.000	1.000	116.8	0.000	0.000	Ug5_2_8_L_0						
38 D	23.89	-3.8512E-05	96.90	52.16	96.90	57.55	UL-RL	1.2410E+05	-7.400	67.27	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
39 D	24.40	-4.0422E-05	99.39	52.92	99.39	58.49	UL-RL	1.2410E+05	-7.600	69.09	
1.000	1.000	122.0	0.000	0.000	Ug5_2_8_L_0						
40 D	24.91	-4.2787E-05	102.4	53.62	102.4	59.41	UL-RL	1.2410E+05	-7.800	70.91	
1.000	1.000	124.5	0.000	0.000	Ug5_2_8_L_0						
41 D	25.40	-4.5406E-05	105.4	54.28	105.4	60.33	UL-RL	1.2410E+05	-8.000	72.73	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
42 D	25.90	-4.8118E-05	107.8	54.93	107.8	61.24	UL-RL	1.2410E+05	-8.200	74.55	
1.000	1.000	129.5	0.000	0.000	Ug5_2_8_L_0						
43 D	26.39	-5.0796E-05	110.7	55.58	110.7	62.15	UL-RL	1.2410E+05	-8.400	76.36	
1.000	1.000	131.9	0.000	0.000	Ug5_2_8_L_0						
44 D	26.89	-5.3345E-05	113.2	56.25	113.2	63.06	UL-RL	1.2410E+05	-8.600	78.18	
1.000	1.000	134.4	0.000	0.000	Ug5_2_8_L_0						
45 D	27.39	-5.5694E-05	116.0	56.93	116.0	63.96	UL-RL	1.2410E+05	-8.800	80.00	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
46 D	27.89	-5.7798E-05	118.4	57.64	118.4	64.86	UL-RL	1.2410E+05	-9.000	81.82	
1.000	1.000	139.5	0.000	0.000	Ug5_2_8_L_0						
47 D	28.41	-5.9631E-05	121.3	58.39	121.3	65.75	UL-RL	1.2410E+05	-9.200	83.64	
1.000	1.000	142.0	0.000	0.000	Ug5_2_8_L_0						
48 D	28.92	-6.1182E-05	123.7	59.17	123.7	66.64	UL-RL	1.2410E+05	-9.400	85.45	
1.000	1.000	144.6	0.000	0.000	Ug5_2_8_L_0						
49 D	29.45	-6.2452E-05	126.5	59.98	126.5	67.53	UL-RL	1.2410E+05	-9.600	87.27	
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0						
50 D	29.98	-6.3455E-05	128.8	60.82	128.8	68.42	UL-RL	1.2410E+05	-9.800	89.09	
1.000	1.000	149.9	0.000	0.000	Ug5_2_8_L_0						
51 D	30.52	-6.4209E-05	131.6	61.69	131.6	69.31	UL-RL	1.2410E+05	-10.00	90.91	
1.000	1.000	152.6	0.000	0.000	Ug5_2_8_L_0						
52 D	31.06	-6.4740E-05	134.0	62.59	134.0	70.19	UL-RL	1.2410E+05	-10.20	92.73	
1.000	1.000	155.3	0.000	0.000	Ug5_2_8_L_0						
53 D	31.61	-6.5076E-05	136.7	63.51	136.7	71.08	UL-RL	1.2410E+05	-10.40	94.55	
1.000	1.000	158.1	0.000	0.000	Ug5_2_8_L_0						
54 D	32.16	-6.5247E-05	139.5	64.45	139.5	71.96	UL-RL	1.2410E+05	-10.60	96.36	
1.000	1.000	160.8	0.000	0.000	Ug5_2_8_L_0						
55 D	32.72	-6.5286E-05	141.8	65.41	141.8	72.85	UL-RL	1.2410E+05	-10.80	98.18	
1.000	1.000	163.6	0.000	0.000	Ug5_2_8_L_0						
56 D	33.28	-6.5220E-05	144.5	66.38	144.5	73.73	UL-RL	1.2410E+05	-11.00	100.00	
1.000	1.000	166.4	0.000	0.000	Ug5_2_8_L_0						
57 D	33.84	-6.5079E-05	146.8	67.36	146.8	74.61	UL-RL	1.2410E+05	-11.20	101.8	
1.000	1.000	169.2	0.000	0.000	Ug5_2_8_L_0						
58 D	34.40	-6.4886E-05	149.5	68.34	149.5	75.50	UL-RL	1.2410E+05	-11.40	103.6	
1.000	1.000	172.0	0.000	0.000	Ug5_2_8_L_0						
59 D	34.96	-6.4662E-05	151.8	69.33	151.8	76.38	UL-RL	1.2410E+05	-11.60	105.5	
1.000	1.000	174.8	0.000	0.000	Ug5_2_8_L_0						
60 D	35.52	-6.4424E-05	154.5	70.32	154.5	77.26	UL-RL	1.2410E+05	-11.80	107.3	
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0						
61 D	18.04	-6.4181E-05	156.8	71.31	156.8	78.15	UL-RL	1.2410E+05	-12.00	109.1	
1.000	1.000	180.4	0.000	0.000	Ug5_2_8_L_0						

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.5831E-03   0.000       0.000       20.00       25.89       PASSIVE   0.000       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.887      1.4482E-03   1.818       12.25       22.00       27.27       PASSIVE   0.000       -2.200       2.182
1.000       1.000       14.43       0.000       0.000     Ug5_2_8_L_0
  13 D   5.773      1.3165E-03   3.636       24.50       24.00       28.62       PASSIVE   0.000       -2.400       4.364
1.000       1.000       28.87       0.000       0.000     Ug5_2_8_L_0
  14 D   8.660      1.1890E-03   5.455       36.75       26.00       36.75       PASSIVE   0.000       -2.600       6.545
1.000       1.000       43.30       0.000       0.000     Ug5_2_8_L_0
  15 D   11.55      1.0663E-03   7.273       49.00       28.00       49.00       PASSIVE   0.000       -2.800       8.727
1.000       1.000       57.73       0.000       0.000     Ug5_2_8_L_0
  16 D   12.17      9.4950E-04   9.091       49.92       30.00       49.92           V-C   2.0566E+04  -3.000       10.91
1.000       1.000       60.83       0.000       0.000     Ug5_2_8_L_0
  17 D   12.43      8.3911E-04   10.91       49.04       32.00       49.04           V-C   2.0566E+04  -3.200       13.09
1.000       1.000       62.13       0.000       0.000     Ug5_2_8_L_0
  18 D   12.71      7.3573E-04   12.73       48.26       34.00       48.26           V-C   2.0566E+04  -3.400       15.27
1.000       1.000       63.53       0.000       0.000     Ug5_2_8_L_0
  19 D   13.01      6.3978E-04   14.55       47.59       36.00       47.59           V-C   2.0566E+04  -3.600       17.45
1.000       1.000       65.05       0.000       0.000     Ug5_2_8_L_0
  20 D   13.34      5.5155E-04   16.36       47.04       38.00       47.04           V-C   2.0566E+04  -3.800       19.64
1.000       1.000       66.68       0.000       0.000     Ug5_2_8_L_0
  21 D   13.69      4.7122E-04   18.18       46.62       40.00       46.62           V-C   2.0566E+04  -4.000       21.82
1.000       1.000       68.44       0.000       0.000     Ug5_2_8_L_0
  22 D   14.06      3.9884E-04   20.00       46.32       42.00       46.32           V-C   2.0566E+04  -4.200       24.00
1.000       1.000       70.32       0.000       0.000     Ug5_2_8_L_0
  23 D   14.47      3.3437E-04   21.82       46.16       44.00       46.16           V-C   2.0566E+04  -4.400       26.18
1.000       1.000       72.34       0.000       0.000     Ug5_2_8_L_0
  24 D   14.90      2.7765E-04   23.64       46.12       46.00       46.12           V-C   2.0566E+04  -4.600       28.36
1.000       1.000       74.49       0.000       0.000     Ug5_2_8_L_0
  25 D   15.35      2.2841E-04   25.45       46.21       48.00       46.21           V-C   2.0566E+04  -4.800       30.55
1.000       1.000       76.76       0.000       0.000     Ug5_2_8_L_0
  26 D   15.83      1.8630E-04   27.27       46.43       50.00       46.43           V-C   2.0566E+04  -5.000       32.73
1.000       1.000       79.15       0.000       0.000     Ug5_2_8_L_0
  27 D   16.33      1.5084E-04   29.09       46.75       52.00       46.75           V-C   2.0566E+04  -5.200       34.91
1.000       1.000       81.66       0.000       0.000     Ug5_2_8_L_0
  28 D   16.85      1.2151E-04   30.91       47.17       54.00       47.17           V-C   2.0566E+04  -5.400       37.09
```

1.000	1.000	84.27	0.000	0.000	Ug5_2_8_L_0						
29 D	17.39	9.7727E-05	32.73	47.69	56.00	47.69	V-C	2.0566E+04	-5.600	39.27	
1.000	1.000	86.97	0.000	0.000	Ug5_2_8_L_0						
30 D	17.87	7.8878E-05	34.55	47.92	58.00	48.48	UL-RL	6.1699E+04	-5.800	41.45	
1.000	1.000	89.37	0.000	0.000	Ug5_2_8_L_0						
31 D	18.32	6.4362E-05	36.36	47.99	60.00	49.46	UL-RL	6.1699E+04	-6.000	43.64	
1.000	1.000	91.62	0.000	0.000	Ug5_2_8_L_0						
32 D	18.82	5.3582E-05	38.18	48.26	62.00	50.42	UL-RL	6.1699E+04	-6.200	45.82	
1.000	1.000	94.08	0.000	0.000	Ug5_2_8_L_0						
33 D	19.34	4.5972E-05	40.00	48.71	64.00	51.37	UL-RL	6.1699E+04	-6.400	48.00	
1.000	1.000	96.71	0.000	0.000	Ug5_2_8_L_0						
34 D	19.90	4.1001E-05	41.82	49.31	66.00	52.31	UL-RL	6.1699E+04	-6.600	50.18	
1.000	1.000	99.49	0.000	0.000	Ug5_2_8_L_0						
35 D	20.48	3.8183E-05	43.64	50.02	68.00	53.23	UL-RL	6.1699E+04	-6.800	52.36	
1.000	1.000	102.4	0.000	0.000	Ug5_2_8_L_0						
36 D	21.08	3.7079E-05	45.45	50.83	70.00	54.14	UL-RL	6.1699E+04	-7.000	54.55	
1.000	1.000	105.4	0.000	0.000	Ug5_2_8_L_0						
37 D	21.69	3.7301E-05	47.27	51.71	72.00	55.05	UL-RL	6.1699E+04	-7.200	56.73	
1.000	1.000	108.4	0.000	0.000	Ug5_2_8_L_0						
38 D	22.31	3.8512E-05	49.09	52.64	74.00	55.95	UL-RL	6.1699E+04	-7.400	58.91	
1.000	1.000	111.5	0.000	0.000	Ug5_2_8_L_0						
39 D	22.94	4.0422E-05	50.91	53.60	76.00	56.83	UL-RL	6.1699E+04	-7.600	61.09	
1.000	1.000	114.7	0.000	0.000	Ug5_2_8_L_0						
40 D	23.57	4.2787E-05	52.73	54.58	78.00	57.72	UL-RL	6.1699E+04	-7.800	63.27	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.20	4.5406E-05	54.55	55.57	80.00	58.59	UL-RL	6.1699E+04	-8.000	65.45	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
42 D	24.84	4.8118E-05	56.36	56.56	82.00	59.46	UL-RL	6.1699E+04	-8.200	67.64	
1.000	1.000	124.2	0.000	0.000	Ug5_2_8_L_0						
43 D	25.47	5.0796E-05	58.18	57.54	84.00	60.33	UL-RL	6.1699E+04	-8.400	69.82	
1.000	1.000	127.4	0.000	0.000	Ug5_2_8_L_0						
44 D	26.10	5.3345E-05	60.00	58.51	86.00	61.19	UL-RL	6.1699E+04	-8.600	72.00	
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0						
45 D	26.73	5.5694E-05	61.82	59.45	88.00	62.05	UL-RL	6.1699E+04	-8.800	74.18	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
46 D	27.35	5.7798E-05	63.64	60.39	90.00	62.90	UL-RL	6.1699E+04	-9.000	76.36	
1.000	1.000	136.7	0.000	0.000	Ug5_2_8_L_0						
47 D	27.97	5.9631E-05	65.45	61.30	92.00	63.75	UL-RL	6.1699E+04	-9.200	78.55	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
48 D	28.58	6.1182E-05	67.27	62.19	94.00	64.60	UL-RL	6.1699E+04	-9.400	80.73	
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0						
49 D	29.19	6.2452E-05	69.09	63.06	96.00	65.45	UL-RL	6.1699E+04	-9.600	82.91	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
50 D	29.80	6.3455E-05	70.91	63.91	98.00	66.29	UL-RL	6.1699E+04	-9.800	85.09	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
51 D	30.40	6.4209E-05	72.73	64.74	100.00	67.13	UL-RL	6.1699E+04	-10.00	87.27	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
52 D	31.00	6.4740E-05	74.55	65.56	102.0	67.98	UL-RL	6.1699E+04	-10.20	89.45	
1.000	1.000	155.0	0.000	0.000	Ug5_2_8_L_0						
53 D	31.60	6.5076E-05	76.36	66.37	104.0	68.82	UL-RL	6.1699E+04	-10.40	91.64	
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0						
54 D	32.20	6.5247E-05	78.18	67.16	106.0	69.66	UL-RL	6.1699E+04	-10.60	93.82	
1.000	1.000	161.0	0.000	0.000	Ug5_2_8_L_0						
55 D	32.79	6.5286E-05	80.00	67.95	108.0	70.50	UL-RL	6.1699E+04	-10.80	96.00	
1.000	1.000	163.9	0.000	0.000	Ug5_2_8_L_0						
56 D	33.38	6.5220E-05	81.82	68.72	110.0	71.34	UL-RL	6.1699E+04	-11.00	98.18	
1.000	1.000	166.9	0.000	0.000	Ug5_2_8_L_0						
57 D	33.97	6.5079E-05	83.64	69.50	112.0	72.18	UL-RL	6.1699E+04	-11.20	100.4	
1.000	1.000	169.9	0.000	0.000	Ug5_2_8_L_0						
58 D	34.56	6.4886E-05	85.45	70.27	114.0	73.02	UL-RL	6.1699E+04	-11.40	102.5	
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0						
59 D	35.15	6.4662E-05	87.27	71.04	116.0	73.86	UL-RL	6.1699E+04	-11.60	104.7	
1.000	1.000	175.8	0.000	0.000	Ug5_2_8_L_0						
60 D	35.74	6.4424E-05	89.09	71.80	118.0	74.70	UL-RL	6.1699E+04	-11.80	106.9	
1.000	1.000	178.7	0.000	0.000	Ug5_2_8_L_0						
61 D	18.17	6.4181E-05	90.91	72.57	120.0	75.54	UL-RL	6.1699E+04	-12.00	109.1	
1.000	1.000	181.7	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-1.11822E-10 1.11822E-10-1.11330E-11 1.03195E-11
    2 0.47798    -0.47798    -2.68661E-11 9.55963E-02
    3  1.4525     -1.4525    -9.55963E-02 0.38609
    4  2.9312     -2.9312    -0.38609     0.97233
    5  4.9293     -4.9293    -0.97233      1.9582
    6  7.4469     -7.4469     -1.9582      3.4476
    7  10.463     -10.463     -3.4476      5.5402
    8  13.973     -13.973     -5.5402      8.3348
    9  17.982     -17.982     -8.3348      11.931
   10  22.481     -22.481     -11.931      16.427
   11  27.475     -27.475     -16.427      21.922
   12  30.071     -30.071     -21.922      27.937
   13  30.274     -30.274     -27.937      33.991
   14  28.080     -28.080     -33.991      39.607
   15  23.493     -23.493     -39.607      44.306
   16  18.777     -18.777     -44.306      48.061
   17  14.294     -14.294     -48.061      50.920
   18  10.022     -10.022     -50.920      52.924
   19  5.9387     -5.9387     -52.924      54.112
   20  2.0242     -2.0242     -54.112      54.517
   21 -1.7498      1.7498     -54.517      54.167
   22 -5.4064      5.4064     -54.167      53.086
   23 -8.9742      8.9742     -53.086      51.291
   24 -12.477      12.477     -51.291      48.796
   25 -15.941      15.941     -48.796      45.607
   26 -18.456      18.456     -45.607      41.916
   27 -19.998      19.998     -41.916      37.917
   28 -20.745      20.745     -37.917      33.768
   29 -20.858      20.858     -33.768      29.596
   30 -20.404      20.404     -29.596      25.516
   31 -19.463      19.463     -25.516      21.623
   32 -18.172      18.172     -21.623      17.989
   33 -16.646      16.646     -17.989      14.659
   34 -14.984      14.984     -14.659      11.663
   35 -13.263      13.263     -11.663      9.0101
   36 -11.546      11.546     -9.0101      6.7009
   37 -9.8815      9.8815     -6.7009      4.7246
   38 -8.3049      8.3049     -4.7246      3.0636
   39 -6.8413      6.8413     -3.0636      1.6954
   40 -5.5067      5.5067     -1.6954     0.59404
   41 -4.3098      4.3098    -0.59404    -0.26791
   42 -3.2533      3.2533     0.26791    -0.91858
   43 -2.3355      2.3355     0.91858     -1.3857
   44 -1.5511      1.5511      1.3857     -1.6959
   45-0.89227     0.89227      1.6959     -1.8744
   46-0.34959     0.34959      1.8744     -1.9443
   47 8.72651E-02-8.72651E-02  1.9443     -1.9268
   48 0.42897    -0.42897      1.9268     -1.8410
   49 0.68609    -0.68609      1.8410     -1.7038
   50 0.86870    -0.86870      1.7038     -1.5301
   51 0.98610    -0.98610      1.5301     -1.3328
   52  1.0467     -1.0467      1.3328     -1.1235
   53  1.0576     -1.0576      1.1235    -0.91200
   54  1.0252     -1.0252     0.91200    -0.70696
   55 0.95433    -0.95433     0.70696    -0.51609
   56 0.84890    -0.84890     0.51609    -0.34631
   57 0.71175    -0.71175     0.34631    -0.20396
   58 0.54482    -0.54482     0.20396    -9.49974E-02
   59 0.34928    -0.34928     9.49974E-02-2.51418E-02
```

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   60 0.12570    -0.12570     2.51418E-02-3.94665E-13

ITER     0 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6723E+05 RIMNOR=0.8024E+05
           RENORM= 4238.     REMNOR=0.7695E-21 RATIO =0.2511     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 54.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6723E+05 RDR   =0.8024E+05
           RATIOT=0.2511     RATIOR= 0.000
           MAX UN= 11.40     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-59.99     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6723E+05 RIMNOR=0.8024E+05
           RENORM=0.6926     REMNOR=0.5886E-21 RATIO =0.3210E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 54.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6723E+05 RDR   =0.8024E+05
           RATIOT=0.3210E-02 RATIOR= 0.000
           MAX UN=0.6202     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.2507E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6723E+05 RIMNOR=0.8024E+05
           RENORM=0.9399E-19 REMNOR=0.2992E-21 RATIO =0.1182E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 72.00     RMMAX = 54.52
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6723E+05 RDR   =0.8024E+05
           RATIOT=0.1182E-11 RATIOR= 0.000
           MAX UN=0.1670E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1195E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.9614065E-03  -7.3124562E-04
    2   2.8151574E-03  -7.3124562E-04
    3   2.6689134E-03  -7.3116792E-04
    4   2.5227084E-03  -7.3081667E-04
    5   2.3766235E-03  -7.2991457E-04
    6   2.2308034E-03  -7.2810132E-04
    7   2.0854733E-03  -7.2493268E-04
    8   1.9409557E-03  -7.1988236E-04
    9   1.7976862E-03  -7.1234450E-04
   10   1.6562294E-03  -7.0163446E-04
   11   1.5172947E-03  -6.8699039E-04
   12   1.3817513E-03  -6.6757510E-04
   13   1.2506434E-03  -6.4247820E-04
   14   1.1252042E-03  -6.1071884E-04
   15   1.0067724E-03  -5.7271191E-04
   16   8.9651249E-04  -5.2880957E-04
   17   7.9536791E-04  -4.8310980E-04
   18   7.0310633E-04  -4.3983601E-04
   19   6.1931872E-04  -3.9828394E-04
   20   5.4369979E-04  -3.5812622E-04
   21   4.7597562E-04  -3.1936269E-04
   22   4.1585182E-04  -2.8214774E-04
   23   3.6300145E-04  -2.4665885E-04
   24   3.1706074E-04  -2.1308305E-04
   25   2.7762756E-04  -1.8161737E-04
   26   2.4425918E-04  -1.5247097E-04
   27   2.1647031E-04  -1.2585945E-04
   28   1.9373585E-04  -1.0194331E-04
   29   1.7550910E-04  -8.0785459E-05
   30   1.6123874E-04  -6.2371440E-05
   31   1.5038286E-04  -4.6622439E-05
   32   1.4242120E-04  -3.3402512E-05
   33   1.3686534E-04  -2.2530833E-05
   34   1.3326631E-04  -1.3797547E-05
   35   1.3121885E-04  -6.9764127E-06
   36   1.3036374E-04  -1.8353168E-06
   37   1.3038803E-04   1.8554752E-06
   38   1.3102398E-04   4.3171077E-06
   39   1.3204679E-04   5.7574380E-06
   40   1.3327164E-04   6.3679740E-06
   41   1.3455021E-04   6.3219155E-06
   42   1.3576690E-04   5.7732038E-06
   43   1.3683495E-04   4.8563597E-06
   44   1.3769260E-04   3.6869304E-06
   45   1.3829938E-04   2.3623991E-06
   46   1.3863259E-04   9.6337792E-07
   47   1.3868411E-04  -4.4492581E-07
   48   1.3845742E-04  -1.8112003E-06
   49   1.3796503E-04  -3.0964556E-06
   50   1.3722613E-04  -4.2724804E-06
   51   1.3626458E-04  -5.3204058E-06
   52   1.3510720E-04  -6.2293435E-06
   53   1.3378243E-04  -6.9950792E-06
   54   1.3231867E-04  -7.6192911E-06
   55   1.3074372E-04  -8.1083283E-06
   56   1.2908365E-04  -8.4726567E-06
   57   1.2736205E-04  -8.7262334E-06
   58   1.2559941E-04  -8.8860646E-06
   59   1.2381255E-04  -8.9718922E-06
   60   1.2201410E-04  -9.0059897E-06
   61   1.2021187E-04  -9.0130438E-06
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                       NewProject.BaseDesignSection_28.Nominal_63                                      |
|                                   Exe Time :24 May 2018       18:23:40                                                |
+------------------------------------------------------------------------------------------------------------------------+
New Project


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

0_L                               :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E   I S      4.0000

 HARDENING 2D SOIL ELEMENT

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

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p      LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------
   1 D  0.000     -2.9614E-03  0.000       0.000       0.000       0.000        PASSIVE   0.000       0.000       0.000
1.000      1.000      0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  1.062     -2.8152E-03  2.400       3.597       2.400       4.391          UL-RL  8.2735E+04 -0.2000       1.714
1.000      1.000      5.312       0.000       0.000     Ug5_2_8_L_0
   3 D  1.615     -2.6689E-03  5.172       4.648       5.172       7.857          UL-RL  8.2735E+04 -0.4000       3.429
1.000      1.000      8.077       0.000       0.000     Ug5_2_8_L_0
   4 D  2.176     -2.5227E-03  8.099       5.736       8.099       10.57          UL-RL  8.2735E+04 -0.6000       5.143
1.000      1.000      10.88       0.000       0.000     Ug5_2_8_L_0
   5 D  2.750     -2.3766E-03  11.33       6.895       11.33       12.90          UL-RL  8.2735E+04 -0.8000       6.857
1.000      1.000      13.75       0.000       0.000     Ug5_2_8_L_0
   6 D  3.323     -2.2308E-03  14.56       8.045       14.56       15.05          UL-RL  8.2735E+04  -1.000       8.571
1.000      1.000      16.62       0.000       0.000     Ug5_2_8_L_0
   7 D  3.872     -2.0855E-03  17.38       9.074       17.38       17.09          UL-RL  8.2735E+04  -1.200       10.29
1.000      1.000      19.36       0.000       0.000     Ug5_2_8_L_0
   8 D  4.412     -1.9410E-03  20.10       10.06       20.10       19.05          UL-RL  8.2735E+04  -1.400       12.00
1.000      1.000      22.06       0.000       0.000     Ug5_2_8_L_0
   9 D  4.949     -1.7977E-03  22.92       11.03       22.92       20.96          UL-RL  8.2735E+04  -1.600       13.71
1.000      1.000      24.74       0.000       0.000     Ug5_2_8_L_0
  10 D  5.467     -1.6562E-03  25.56       11.91       25.56       22.80          UL-RL  8.2735E+04  -1.800       15.43
1.000      1.000      27.34       0.000       0.000     Ug5_2_8_L_0
  11 D  5.979     -1.5173E-03  28.30       12.75       28.30       24.58          UL-RL  8.2735E+04  -2.000       17.14
1.000      1.000      29.89       0.000       0.000     Ug5_2_8_L_0
  12 D  6.468     -1.3818E-03  30.91       13.48       30.91       26.31          UL-RL  8.2735E+04  -2.200       18.86
1.000      1.000      32.34       0.000       0.000     Ug5_2_8_L_0
  13 D  6.942     -1.2506E-03  33.63       14.14       33.63       27.98          UL-RL  8.2735E+04  -2.400       20.57
1.000      1.000      34.71       0.000       0.000     Ug5_2_8_L_0
  14 D  7.386     -1.1252E-03  36.26       14.64       36.26       29.60          UL-RL  8.2735E+04  -2.600       22.29
1.000      1.000      36.93       0.000       0.000     Ug5_2_8_L_0
  15 D  7.800     -1.0068E-03  38.97       15.00       38.97       31.16          UL-RL  8.2735E+04  -2.800       24.00
1.000      1.000      39.00       0.000       0.000     Ug5_2_8_L_0
  16 D  8.170     -8.9651E-04  41.62       15.14       41.62       32.68          UL-RL  8.2735E+04  -3.000       25.71
1.000      1.000      40.85       0.000       0.000     Ug5_2_8_L_0
  17 D  8.501     -7.9537E-04  44.34       15.08       44.34       34.14          UL-RL  8.2735E+04  -3.200       27.43
1.000      1.000      42.51       0.000       0.000     Ug5_2_8_L_0
  18 D  8.798     -7.0311E-04  47.01       14.85       47.01       35.55          UL-RL  8.2735E+04  -3.400       29.14
1.000      1.000      43.99       0.000       0.000     Ug5_2_8_L_0
  19 D  9.078     -6.1932E-04  49.68       14.53       49.68       36.92          UL-RL  8.2735E+04  -3.600       30.86
1.000      1.000      45.39       0.000       0.000     Ug5_2_8_L_0
  20 D  9.353     -5.4370E-04  52.41       14.20       52.41       38.25          UL-RL  8.2735E+04  -3.800       32.57
1.000      1.000      46.77       0.000       0.000     Ug5_2_8_L_0
  21 D  9.626     -4.7598E-04  55.10       13.85       55.10       39.53          UL-RL  8.2735E+04  -4.000       34.29
1.000      1.000      48.13       0.000       0.000     Ug5_2_8_L_0
  22 D  10.08     -4.1585E-04  57.84       14.40       57.84       40.78         ACTIVE   0.000      -4.200       36.00
1.000      1.000      50.40       0.000       0.000     Ug5_2_8_L_0
  23 D  10.56     -3.6300E-04  60.52       15.07       60.52       42.00         ACTIVE   0.000      -4.400       37.71
1.000      1.000      52.78       0.000       0.000     Ug5_2_8_L_0
  24 D  11.04     -3.1706E-04  63.26       15.75       63.26       43.18         ACTIVE   0.000      -4.600       39.43
1.000      1.000      55.18       0.000       0.000     Ug5_2_8_L_0
  25 D  11.51     -2.7763E-04  65.95       16.42       65.95       44.33         ACTIVE   0.000      -4.800       41.14
1.000      1.000      57.56       0.000       0.000     Ug5_2_8_L_0
  26 D  12.10     -2.4426E-04  68.64       17.63       68.64       45.46          UL-RL  8.2735E+04  -5.000       42.86
1.000      1.000      60.49       0.000       0.000     Ug5_2_8_L_0
  27 D  13.43     -2.1647E-04  71.15       22.60       71.15       46.56          UL-RL  8.2735E+04  -5.200       44.57
1.000      1.000      67.17       0.000       0.000     Ug5_2_8_L_0
  28 D  14.63     -1.9374E-04  73.66       26.87       73.66       47.64          UL-RL  8.2735E+04  -5.400       46.29
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1.000	1.000	73.15	0.000	0.000	Ug5_2_8_L_0						
29 D	15.70	-1.7551E-04	76.19	30.51	76.19	48.70	UL-RL	8.2735E+04	-5.600	48.00	
1.000	1.000	78.51	0.000	0.000	Ug5_2_8_L_0						
30 D	16.66	-1.6124E-04	78.71	33.61	78.71	49.74	UL-RL	8.2735E+04	-5.800	49.71	
1.000	1.000	83.32	0.000	0.000	Ug5_2_8_L_0						
31 D	17.53	-1.5038E-04	81.24	36.22	81.24	50.76	UL-RL	8.2735E+04	-6.000	51.43	
1.000	1.000	87.65	0.000	0.000	Ug5_2_8_L_0						
32 D	18.31	-1.4242E-04	83.76	38.43	83.76	51.77	UL-RL	8.2735E+04	-6.200	53.14	
1.000	1.000	91.57	0.000	0.000	Ug5_2_8_L_0						
33 D	19.03	-1.3687E-04	86.29	40.30	86.29	52.76	UL-RL	8.2735E+04	-6.400	54.86	
1.000	1.000	95.15	0.000	0.000	Ug5_2_8_L_0						
34 D	19.69	-1.3327E-04	89.06	41.88	89.06	53.74	UL-RL	8.2735E+04	-6.600	56.57	
1.000	1.000	98.45	0.000	0.000	Ug5_2_8_L_0						
35 D	20.31	-1.3122E-04	91.72	43.24	91.72	54.71	UL-RL	8.2735E+04	-6.800	58.29	
1.000	1.000	101.5	0.000	0.000	Ug5_2_8_L_0						
36 D	20.88	-1.3036E-04	94.95	44.42	94.95	55.67	UL-RL	8.2735E+04	-7.000	60.00	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
37 D	21.44	-1.3039E-04	97.58	45.47	97.58	56.61	UL-RL	8.2735E+04	-7.200	61.71	
1.000	1.000	107.2	0.000	0.000	Ug5_2_8_L_0						
38 D	21.97	-1.3102E-04	100.7	46.42	100.7	57.55	UL-RL	8.2735E+04	-7.400	63.43	
1.000	1.000	109.9	0.000	0.000	Ug5_2_8_L_0						
39 D	22.49	-1.3205E-04	103.3	47.31	103.3	58.49	UL-RL	8.2735E+04	-7.600	65.14	
1.000	1.000	112.5	0.000	0.000	Ug5_2_8_L_0						
40 D	23.00	-1.3327E-04	106.4	48.16	106.4	59.41	UL-RL	8.2735E+04	-7.800	66.86	
1.000	1.000	115.0	0.000	0.000	Ug5_2_8_L_0						
41 D	23.51	-1.3455E-04	109.5	48.98	109.5	60.33	UL-RL	8.2735E+04	-8.000	68.57	
1.000	1.000	117.6	0.000	0.000	Ug5_2_8_L_0						
42 D	24.02	-1.3577E-04	112.1	49.81	112.1	61.24	UL-RL	8.2735E+04	-8.200	70.29	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
43 D	24.53	-1.3683E-04	115.1	50.65	115.1	62.15	UL-RL	8.2735E+04	-8.400	72.00	
1.000	1.000	122.6	0.000	0.000	Ug5_2_8_L_0						
44 D	25.04	-1.3769E-04	117.6	51.50	117.6	63.06	UL-RL	8.2735E+04	-8.600	73.71	
1.000	1.000	125.2	0.000	0.000	Ug5_2_8_L_0						
45 D	25.56	-1.3830E-04	120.6	52.38	120.6	63.96	UL-RL	8.2735E+04	-8.800	75.43	
1.000	1.000	127.8	0.000	0.000	Ug5_2_8_L_0						
46 D	26.09	-1.3863E-04	123.1	53.29	123.1	64.86	UL-RL	8.2735E+04	-9.000	77.14	
1.000	1.000	130.4	0.000	0.000	Ug5_2_8_L_0						
47 D	26.62	-1.3868E-04	126.1	54.24	126.1	65.75	UL-RL	8.2735E+04	-9.200	78.86	
1.000	1.000	133.1	0.000	0.000	Ug5_2_8_L_0						
48 D	27.16	-1.3846E-04	128.5	55.22	128.5	66.64	UL-RL	8.2735E+04	-9.400	80.57	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
49 D	27.70	-1.3797E-04	131.5	56.22	131.5	67.53	UL-RL	8.2735E+04	-9.600	82.29	
1.000	1.000	138.5	0.000	0.000	Ug5_2_8_L_0						
50 D	28.25	-1.3723E-04	133.9	57.26	133.9	68.42	UL-RL	8.2735E+04	-9.800	84.00	
1.000	1.000	141.3	0.000	0.000	Ug5_2_8_L_0						
51 D	28.81	-1.3626E-04	136.8	58.33	136.8	69.31	UL-RL	8.2735E+04	-10.00	85.71	
1.000	1.000	144.0	0.000	0.000	Ug5_2_8_L_0						
52 D	29.37	-1.3511E-04	139.3	59.42	139.3	70.19	UL-RL	8.2735E+04	-10.20	87.43	
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0						
53 D	29.93	-1.3378E-04	142.1	60.53	142.1	71.08	UL-RL	8.2735E+04	-10.40	89.14	
1.000	1.000	149.7	0.000	0.000	Ug5_2_8_L_0						
54 D	30.50	-1.3232E-04	145.0	61.66	145.0	71.96	UL-RL	8.2735E+04	-10.60	90.86	
1.000	1.000	152.5	0.000	0.000	Ug5_2_8_L_0						
55 D	31.07	-1.3074E-04	147.4	62.80	147.4	72.85	UL-RL	8.2735E+04	-10.80	92.57	
1.000	1.000	155.4	0.000	0.000	Ug5_2_8_L_0						
56 D	31.65	-1.2908E-04	150.2	63.95	150.2	73.73	UL-RL	8.2735E+04	-11.00	94.29	
1.000	1.000	158.2	0.000	0.000	Ug5_2_8_L_0						
57 D	32.22	-1.2736E-04	152.7	65.11	152.7	74.61	UL-RL	8.2735E+04	-11.20	96.00	
1.000	1.000	161.1	0.000	0.000	Ug5_2_8_L_0						
58 D	32.80	-1.2560E-04	155.4	66.28	155.4	75.50	UL-RL	8.2735E+04	-11.40	97.71	
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0						
59 D	33.38	-1.2381E-04	157.9	67.45	157.9	76.38	UL-RL	8.2735E+04	-11.60	99.43	
1.000	1.000	166.9	0.000	0.000	Ug5_2_8_L_0						
60 D	33.95	-1.2201E-04	160.6	68.62	160.6	77.26	UL-RL	8.2735E+04	-11.80	101.1	
1.000	1.000	169.8	0.000	0.000	Ug5_2_8_L_0						
61 D	17.27	-1.2021E-04	163.1	69.80	163.1	78.15	UL-RL	8.2735E+04	-12.00	102.9	
1.000	1.000	172.7	0.000	0.000	Ug5_2_8_L_0						

```
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                     |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      8.9651E-04   0.000       0.000       30.00       49.92       PASSIVE   0.000      -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.407      7.9537E-04   1.714       9.752       32.00       49.04         UL-RL  4.1133E+04  -3.200       2.286
1.000       1.000       12.04       0.000       0.000     Ug5_2_8_L_0
  18 D   5.266      7.0311E-04   3.429       21.76       34.00       48.26         UL-RL  4.1133E+04  -3.400       4.571
1.000       1.000       26.33       0.000       0.000     Ug5_2_8_L_0
  19 D   8.134      6.1932E-04   5.143       33.81       36.00       47.59         UL-RL  4.1133E+04  -3.600       6.857
1.000       1.000       40.67       0.000       0.000     Ug5_2_8_L_0
  20 D   10.29      5.4370E-04   6.857       42.32       38.00       47.04         UL-RL  4.1133E+04  -3.800       9.143
1.000       1.000       51.46       0.000       0.000     Ug5_2_8_L_0
  21 D   10.80      4.7598E-04   8.571       42.59       40.00       46.62         UL-RL  4.1133E+04  -4.000       11.43
1.000       1.000       54.02       0.000       0.000     Ug5_2_8_L_0
  22 D   11.33      4.1585E-04   10.29       42.92       42.00       46.32         UL-RL  4.1133E+04  -4.200       13.71
1.000       1.000       56.64       0.000       0.000     Ug5_2_8_L_0
  23 D   11.87      3.6300E-04   12.00       43.33       44.00       46.16         UL-RL  4.1133E+04  -4.400       16.00
1.000       1.000       59.33       0.000       0.000     Ug5_2_8_L_0
  24 D   12.42      3.1706E-04   13.71       43.82       46.00       46.12         UL-RL  4.1133E+04  -4.600       18.29
1.000       1.000       62.10       0.000       0.000     Ug5_2_8_L_0
  25 D   12.99      2.7763E-04   15.43       44.37       48.00       46.21         UL-RL  4.1133E+04  -4.800       20.57
1.000       1.000       64.94       0.000       0.000     Ug5_2_8_L_0
  26 D   13.57      2.4426E-04   17.14       44.98       50.00       46.43         UL-RL  4.1133E+04  -5.000       22.86
1.000       1.000       67.84       0.000       0.000     Ug5_2_8_L_0
  27 D   14.16      2.1647E-04   18.86       45.66       52.00       46.75         UL-RL  4.1133E+04  -5.200       25.14
1.000       1.000       70.80       0.000       0.000     Ug5_2_8_L_0
  28 D   14.76      1.9374E-04   20.57       46.38       54.00       47.17         UL-RL  4.1133E+04  -5.400       27.43
```

1.000	1.000	73.81	0.000	0.000	Ug5_2_8_L_0						
29 D	15.37	1.7551E-04	22.29	47.15	56.00	47.69	UL-RL	4.1133E+04	-5.600	29.71	
1.000	1.000	76.87	0.000	0.000	Ug5_2_8_L_0						
30 D	15.92	1.6124E-04	24.00	47.58	58.00	48.48	UL-RL	4.1133E+04	-5.800	32.00	
1.000	1.000	79.58	0.000	0.000	Ug5_2_8_L_0						
31 D	16.42	1.5038E-04	25.71	47.81	60.00	49.46	UL-RL	4.1133E+04	-6.000	34.29	
1.000	1.000	82.09	0.000	0.000	Ug5_2_8_L_0						
32 D	16.96	1.4242E-04	27.43	48.20	62.00	50.42	UL-RL	4.1133E+04	-6.200	36.57	
1.000	1.000	84.78	0.000	0.000	Ug5_2_8_L_0						
33 D	17.52	1.3687E-04	29.14	48.74	64.00	51.37	UL-RL	4.1133E+04	-6.400	38.86	
1.000	1.000	87.60	0.000	0.000	Ug5_2_8_L_0						
34 D	18.11	1.3327E-04	30.86	49.40	66.00	52.31	UL-RL	4.1133E+04	-6.600	41.14	
1.000	1.000	90.54	0.000	0.000	Ug5_2_8_L_0						
35 D	18.71	1.3122E-04	32.57	50.14	68.00	53.23	UL-RL	4.1133E+04	-6.800	43.43	
1.000	1.000	93.57	0.000	0.000	Ug5_2_8_L_0						
36 D	19.33	1.3036E-04	34.29	50.96	70.00	54.14	UL-RL	4.1133E+04	-7.000	45.71	
1.000	1.000	96.67	0.000	0.000	Ug5_2_8_L_0						
37 D	19.96	1.3039E-04	36.00	51.82	72.00	55.05	UL-RL	4.1133E+04	-7.200	48.00	
1.000	1.000	99.82	0.000	0.000	Ug5_2_8_L_0						
38 D	20.60	1.3102E-04	37.71	52.72	74.00	55.95	UL-RL	4.1133E+04	-7.400	50.29	
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0						
39 D	21.24	1.3205E-04	39.43	53.64	76.00	56.83	UL-RL	4.1133E+04	-7.600	52.57	
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0						
40 D	21.88	1.3327E-04	41.14	54.56	78.00	57.72	UL-RL	4.1133E+04	-7.800	54.86	
1.000	1.000	109.4	0.000	0.000	Ug5_2_8_L_0						
41 D	22.53	1.3455E-04	42.86	55.48	80.00	58.59	UL-RL	4.1133E+04	-8.000	57.14	
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0						
42 D	23.17	1.3577E-04	44.57	56.40	82.00	59.46	UL-RL	4.1133E+04	-8.200	59.43	
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
43 D	23.80	1.3683E-04	46.29	57.30	84.00	60.33	UL-RL	4.1133E+04	-8.400	61.71	
1.000	1.000	119.0	0.000	0.000	Ug5_2_8_L_0						
44 D	24.44	1.3769E-04	48.00	58.18	86.00	61.19	UL-RL	4.1133E+04	-8.600	64.00	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
45 D	25.07	1.3830E-04	49.71	59.05	88.00	62.05	UL-RL	4.1133E+04	-8.800	66.29	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
46 D	25.69	1.3863E-04	51.43	59.89	90.00	62.90	UL-RL	4.1133E+04	-9.000	68.57	
1.000	1.000	128.5	0.000	0.000	Ug5_2_8_L_0						
47 D	26.31	1.3868E-04	53.14	60.71	92.00	63.75	UL-RL	4.1133E+04	-9.200	70.86	
1.000	1.000	131.6	0.000	0.000	Ug5_2_8_L_0						
48 D	26.93	1.3846E-04	54.86	61.51	94.00	64.60	UL-RL	4.1133E+04	-9.400	73.14	
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
49 D	27.54	1.3797E-04	56.57	62.29	96.00	65.45	UL-RL	4.1133E+04	-9.600	75.43	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
50 D	28.15	1.3723E-04	58.29	63.05	98.00	66.29	UL-RL	4.1133E+04	-9.800	77.71	
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0						
51 D	28.76	1.3626E-04	60.00	63.79	100.00	67.13	UL-RL	4.1133E+04	-10.00	80.00	
1.000	1.000	143.8	0.000	0.000	Ug5_2_8_L_0						
52 D	29.36	1.3511E-04	61.71	64.53	102.0	67.98	UL-RL	4.1133E+04	-10.20	82.29	
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0						
53 D	29.96	1.3378E-04	63.43	65.24	104.0	68.82	UL-RL	4.1133E+04	-10.40	84.57	
1.000	1.000	149.8	0.000	0.000	Ug5_2_8_L_0						
54 D	30.56	1.3232E-04	65.14	65.95	106.0	69.66	UL-RL	4.1133E+04	-10.60	86.86	
1.000	1.000	152.8	0.000	0.000	Ug5_2_8_L_0						
55 D	31.16	1.3074E-04	66.86	66.65	108.0	70.50	UL-RL	4.1133E+04	-10.80	89.14	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
56 D	31.75	1.2908E-04	68.57	67.34	110.0	71.34	UL-RL	4.1133E+04	-11.00	91.43	
1.000	1.000	158.8	0.000	0.000	Ug5_2_8_L_0						
57 D	32.35	1.2736E-04	70.29	68.03	112.0	72.18	UL-RL	4.1133E+04	-11.20	93.71	
1.000	1.000	161.7	0.000	0.000	Ug5_2_8_L_0						
58 D	32.94	1.2560E-04	72.00	68.71	114.0	73.02	UL-RL	4.1133E+04	-11.40	96.00	
1.000	1.000	164.7	0.000	0.000	Ug5_2_8_L_0						
59 D	33.54	1.2381E-04	73.71	69.40	116.0	73.86	UL-RL	4.1133E+04	-11.60	98.29	
1.000	1.000	167.7	0.000	0.000	Ug5_2_8_L_0						
60 D	34.13	1.2201E-04	75.43	70.08	118.0	74.70	UL-RL	4.1133E+04	-11.80	100.6	
1.000	1.000	170.6	0.000	0.000	Ug5_2_8_L_0						
61 D	17.36	1.2021E-04	77.14	70.76	120.0	75.54	UL-RL	4.1133E+04	-12.00	102.9	
1.000	1.000	173.6	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 6.88409E-11-6.88409E-11 6.94411E-12 2.86746E-11
    2  1.0623     -1.0623    -3.16884E-11 0.21246
    3  2.6777     -2.6777    -0.21246     0.74799
    4  4.8534     -4.8534    -0.74799      1.7187
    5  7.6038     -7.6038     -1.7187      3.2394
    6  10.927     -10.927     -3.2394      5.4248
    7  14.799     -14.799     -5.4248      8.3846
    8  19.210     -19.210     -8.3846      12.227
    9  24.159     -24.159     -12.227      17.059
   10  29.626     -29.626     -17.059      22.984
   11  35.605     -35.605     -22.984      30.105
   12  42.073     -42.073     -30.105      38.519
   13  49.015     -49.015     -38.519      48.323
   14  36.401     -36.401     -48.323      55.603
   15  44.200     -44.200     -55.603      64.443
   16 -19.629      19.629     -64.443      60.517
   17 -13.535      13.535     -60.517      57.810
   18 -10.004      10.004     -57.810      55.809
   19 -9.0597      9.0597     -55.809      53.997
   20 -9.9990      9.9990     -53.997      51.997
   21 -11.176      11.176     -51.997      49.762
   22 -12.423      12.423     -49.762      47.278
   23 -13.733      13.733     -47.278      44.531
   24 -15.117      15.117     -44.531      41.508
   25 -16.592      16.592     -41.508      38.189
   26 -18.063      18.063     -38.189      34.577
   27 -18.790      18.790     -34.577      30.819
   28 -18.921      18.921     -30.819      27.035
   29 -18.592      18.592     -27.035      23.316
   30 -17.844      17.844     -23.316      19.747
   31 -16.733      16.733     -19.747      16.401
   32 -15.373      15.373     -16.401      13.326
   33 -13.863      13.863     -13.326      10.554
   34 -12.280      12.280     -10.554      8.0978
   35 -10.689      10.689     -8.0978      5.9599
   36 -9.1390      9.1390     -5.9599      4.1321
   37 -7.6662      7.6662     -4.1321      2.5989
   38 -6.2969      6.2969     -2.5989      1.3395
   39 -5.0480      5.0480     -1.3395     0.32992
   40 -3.9289      3.9289    -0.32992    -0.45586
   41 -2.9433      2.9433     0.45586     -1.0445
   42 -2.0898      2.0898      1.0445     -1.4625
   43 -1.3635      1.3635      1.4625     -1.7352
   44-0.75710     0.75710      1.7352     -1.8866
   45-0.26123     0.26123      1.8866     -1.9388
   46 0.13432    -0.13432      1.9388     -1.9120
   47 0.44030    -0.44030      1.9120     -1.8239
   48 0.66739    -0.66739      1.8239     -1.6904
   49 0.82592    -0.82592      1.6904     -1.5253
   50 0.92553    -0.92553      1.5253     -1.3402
   51 0.97498    -0.97498      1.3402     -1.1452
   52 0.98205    -0.98205      1.1452    -0.94876
   53 0.95342    -0.95342     0.94876    -0.75807
   54 0.89468    -0.89468     0.75807    -0.57914
   55 0.81033    -0.81033     0.57914    -0.41707
   56 0.70386    -0.70386     0.41707    -0.27630
   57 0.57782    -0.57782     0.27630    -0.16074
   58 0.43395    -0.43395     0.16074    -7.39478E-02
   59 0.27330    -0.27330     7.39478E-02-1.92875E-02
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   60 9.64326E-02-9.64326E-02 1.92875E-02 2.91064E-13

ITER     0 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7158E+05 RIMNOR=0.8638E+05
           RENORM=0.2150E+05 REMNOR=0.2992E-21 RATIO =0.5480     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 105.0     RMMAX = 64.44
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7158E+05 RDR   =0.8638E+05
           RATIOT=0.5480     RATIOR= 0.000
           MAX UN= 71.83     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-102.8     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7158E+05 RIMNOR=0.8638E+05
           RENORM=0.1729E-18 REMNOR=0.5039E-21 RATIO =0.1554E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 105.0     RMMAX = 64.44
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7158E+05 RDR   =0.8638E+05
           RATIOT=0.1554E-11 RATIOR= 0.000
           MAX UN=0.2275E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           MIN UN=-.1457E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0099167E-03  -7.7671053E-04
    2   2.8545746E-03  -7.7671053E-04
    3   2.6992352E-03  -7.7666944E-04
    4   2.5439182E-03  -7.7645723E-04
    5   2.3886788E-03  -7.7584756E-04
    6   2.2336273E-03  -7.7451616E-04
    7   2.0789487E-03  -7.7203983E-04
    8   1.9249224E-03  -7.6789812E-04
    9   1.7719415E-03  -7.6147555E-04
   10   1.6205316E-03  -7.5206211E-04
   11   1.4713696E-03  -7.3885437E-04
   12   1.3253025E-03  -7.2095695E-04
   13   1.1833652E-03  -6.9738407E-04
   14   1.0467988E-03  -6.6706181E-04
   15   9.1706773E-04  -6.2883085E-04
   16   7.9587643E-04  -5.8145049E-04
   17   6.8518474E-04  -5.2360377E-04
   18   5.8671240E-04  -4.6158640E-04
   19   5.0041247E-04  -4.0163473E-04
   20   4.2602025E-04  -3.4225695E-04
   21   3.6357384E-04  -2.8192144E-04
   22   3.1302766E-04  -2.2495109E-04
   23   2.7307358E-04  -1.7577812E-04
   24   2.4227372E-04  -1.3324550E-04
   25   2.1938613E-04  -9.6551689E-05
   26   2.0329671E-04  -6.5202974E-05
   27   1.9297106E-04  -3.8863089E-05
   28   1.8743987E-04  -1.7198096E-05
   29   1.8580520E-04   1.6743745E-07
   30   1.8724680E-04   1.3632305E-05
   31   1.9102553E-04   2.3608363E-05
   32   1.9648558E-04   3.0516478E-05
   33   2.0305563E-04   3.4777660E-05
   34   2.1024747E-04   3.6801119E-05
   35   2.1765280E-04   3.6975326E-05
   36   2.2493839E-04   3.5661377E-05
   37   2.3184005E-04   3.3188542E-05
   38   2.3815616E-04   2.9851584E-05
   39   2.4374036E-04   2.5909715E-05
   40   2.4849463E-04   2.1586665E-05
   41   2.5236224E-04   1.7071771E-05
   42   2.5532100E-04   1.2521793E-05
   43   2.5737705E-04   8.0632451E-06
   44   2.5855899E-04   3.7950916E-06
   45   2.5891273E-04  -2.0835496E-07
   46   2.5849680E-04  -3.8945516E-06
   47   2.5737832E-04  -7.2296754E-06
   48   2.5562952E-04  -1.0195883E-05
   49   2.5332486E-04  -1.2788634E-05
   50   2.5053856E-04  -1.5014238E-05
   51   2.4734266E-04  -1.6887695E-05
   52   2.4380542E-04  -1.8430712E-05
   53   2.3999073E-04  -1.9669862E-05
   54   2.3595589E-04  -2.0635613E-05
   55   2.3175254E-04  -2.1360610E-05
   56   2.2742542E-04  -2.1879036E-05
   57   2.2301237E-04  -2.2225810E-05
   58   2.1854420E-04  -2.2436042E-05
   59   2.1404473E-04  -2.2544650E-05
   60   2.0953082E-04  -2.2586118E-05
   61   2.0501227E-04  -2.2594344E-05
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -3.0099E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5617     -2.8546E-03   2.514       1.209       2.514       4.391           UL-RL  6.2051E+04 -0.2000       1.600
1.000       1.000       2.809       0.000       0.000     Ug5_2_8_L_0
   3 D   1.216     -2.6992E-03   5.401       2.881       5.401       7.857           UL-RL  6.2051E+04 -0.4000       3.200
1.000       1.000       6.081       0.000       0.000     Ug5_2_8_L_0
   4 D   1.878     -2.5439E-03   8.442       4.591       8.442       10.57           UL-RL  6.2051E+04 -0.6000       4.800
1.000       1.000       9.391       0.000       0.000     Ug5_2_8_L_0
   5 D   2.555     -2.3887E-03   11.79       6.375       11.79       12.90           UL-RL  6.2051E+04 -0.8000       6.400
1.000       1.000       12.78       0.000       0.000     Ug5_2_8_L_0
   6 D   3.231     -2.2336E-03   15.14       8.155       15.14       15.05           UL-RL  6.2051E+04  -1.000       8.000
1.000       1.000       16.16       0.000       0.000     Ug5_2_8_L_0
   7 D   3.884     -2.0789E-03   18.06       9.822       18.06       17.09           UL-RL  6.2051E+04  -1.200       9.600
1.000       1.000       19.42       0.000       0.000     Ug5_2_8_L_0
   8 D   4.530     -1.9249E-03   20.90       11.45       20.90       19.05           UL-RL  6.2051E+04  -1.400       11.20
1.000       1.000       22.65       0.000       0.000     Ug5_2_8_L_0
   9 D   5.177     -1.7719E-03   23.83       13.08       23.83       20.96           UL-RL  6.2051E+04  -1.600       12.80
1.000       1.000       25.88       0.000       0.000     Ug5_2_8_L_0
  10 D   5.808     -1.6205E-03   26.58       14.64       26.58       22.80           UL-RL  6.2051E+04  -1.800       14.40
1.000       1.000       29.04       0.000       0.000     Ug5_2_8_L_0
  11 D   6.434     -1.4714E-03   29.44       16.17       29.44       24.58           UL-RL  6.2051E+04  -2.000       16.00
1.000       1.000       32.17       0.000       0.000     Ug5_2_8_L_0
  12 D   7.043     -1.3253E-03   32.17       17.61       32.17       26.31           UL-RL  6.2051E+04  -2.200       17.60
1.000       1.000       35.21       0.000       0.000     Ug5_2_8_L_0
  13 D   7.640     -1.1834E-03   35.00       19.00       35.00       27.98           UL-RL  6.2051E+04  -2.400       19.20
1.000       1.000       38.20       0.000       0.000     Ug5_2_8_L_0
  14 D   8.210     -1.0468E-03   37.74       20.25       37.74       29.60           UL-RL  6.2051E+04  -2.600       20.80
1.000       1.000       41.05       0.000       0.000     Ug5_2_8_L_0
  15 D   8.753     -9.1707E-04   40.57       21.36       40.57       31.16           UL-RL  6.2051E+04  -2.800       22.40
1.000       1.000       43.76       0.000       0.000     Ug5_2_8_L_0
  16 D   9.248     -7.9588E-04   43.33       22.24       43.33       32.68           UL-RL  6.2051E+04  -3.000       24.00
1.000       1.000       46.24       0.000       0.000     Ug5_2_8_L_0
  17 D   9.686     -6.8518E-04   46.17       22.83       46.17       34.14           UL-RL  6.2051E+04  -3.200       25.60
1.000       1.000       48.43       0.000       0.000     Ug5_2_8_L_0
  18 D   10.05     -5.8671E-04   48.95       23.04       48.95       35.55           UL-RL  6.2051E+04  -3.400       27.20
1.000       1.000       50.24       0.000       0.000     Ug5_2_8_L_0
  19 D   10.35     -5.0041E-04   51.73       22.94       51.73       36.92           UL-RL  6.2051E+04  -3.600       28.80
1.000       1.000       51.74       0.000       0.000     Ug5_2_8_L_0
  20 D   10.60     -4.2602E-04   54.59       22.58       54.59       38.25           UL-RL  6.2051E+04  -3.800       30.40
1.000       1.000       52.98       0.000       0.000     Ug5_2_8_L_0
  21 D   10.79     -3.6357E-04   57.38       21.96       57.38       39.53           UL-RL  6.2051E+04  -4.000       32.00
1.000       1.000       53.96       0.000       0.000     Ug5_2_8_L_0
  22 D   11.12     -3.1303E-04   60.24       21.98       60.24       40.78           UL-RL  6.2051E+04  -4.200       33.60
1.000       1.000       55.58       0.000       0.000     Ug5_2_8_L_0
  23 D   11.42     -2.7307E-04   63.04       21.91       63.04       42.00           UL-RL  6.2051E+04  -4.400       35.20
1.000       1.000       57.11       0.000       0.000     Ug5_2_8_L_0
  24 D   11.70     -2.4227E-04   65.89       21.71       65.89       43.18           UL-RL  6.2051E+04  -4.600       36.80
1.000       1.000       58.51       0.000       0.000     Ug5_2_8_L_0
  25 D   11.96     -2.1939E-04   68.69       21.41       68.69       44.33           UL-RL  6.2051E+04  -4.800       38.40
1.000       1.000       59.81       0.000       0.000     Ug5_2_8_L_0
  26 D   12.32     -2.0330E-04   71.49       21.60       71.49       45.46           UL-RL  6.2051E+04  -5.000       40.00
1.000       1.000       61.60       0.000       0.000     Ug5_2_8_L_0
  27 D   13.43     -1.9297E-04   74.12       25.54       74.12       46.56           UL-RL  6.2051E+04  -5.200       41.60
1.000       1.000       67.14       0.000       0.000     Ug5_2_8_L_0
  28 D   14.40     -1.8744E-04   76.75       28.80       76.75       47.64           UL-RL  6.2051E+04  -5.400       43.20
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1.000	1.000	72.00	0.000	0.000	Ug5_2_8_L_0						
29 D	15.25	-1.8581E-04	79.39	31.47	79.39	48.70	UL-RL	6.2051E+04	-5.600	44.80	
1.000	1.000	76.27	0.000	0.000	Ug5_2_8_L_0						
30 D	16.01	-1.8725E-04	82.03	33.65	82.03	49.74	UL-RL	6.2051E+04	-5.800	46.40	
1.000	1.000	80.05	0.000	0.000	Ug5_2_8_L_0						
31 D	16.68	-1.9103E-04	84.67	35.41	84.67	50.76	UL-RL	6.2051E+04	-6.000	48.00	
1.000	1.000	83.41	0.000	0.000	Ug5_2_8_L_0						
32 D	17.29	-1.9649E-04	87.31	36.85	87.31	51.77	UL-RL	6.2051E+04	-6.200	49.60	
1.000	1.000	86.45	0.000	0.000	Ug5_2_8_L_0						
33 D	17.84	-2.0306E-04	89.95	38.02	89.95	52.76	UL-RL	6.2051E+04	-6.400	51.20	
1.000	1.000	89.22	0.000	0.000	Ug5_2_8_L_0						
34 D	18.36	-2.1025E-04	92.83	38.99	92.83	53.74	UL-RL	6.2051E+04	-6.600	52.80	
1.000	1.000	91.79	0.000	0.000	Ug5_2_8_L_0						
35 D	18.84	-2.1765E-04	95.61	39.82	95.61	54.71	UL-RL	6.2051E+04	-6.800	54.40	
1.000	1.000	94.22	0.000	0.000	Ug5_2_8_L_0						
36 D	19.31	-2.2494E-04	98.95	40.55	98.95	55.67	UL-RL	6.2051E+04	-7.000	56.00	
1.000	1.000	96.55	0.000	0.000	Ug5_2_8_L_0						
37 D	19.77	-2.3184E-04	101.7	41.23	101.7	56.61	UL-RL	6.2051E+04	-7.200	57.60	
1.000	1.000	98.83	0.000	0.000	Ug5_2_8_L_0						
38 D	20.22	-2.3816E-04	105.0	41.89	105.0	57.55	UL-RL	6.2051E+04	-7.400	59.20	
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0						
39 D	20.67	-2.4374E-04	107.7	42.55	107.7	58.49	UL-RL	6.2051E+04	-7.600	60.80	
1.000	1.000	103.4	0.000	0.000	Ug5_2_8_L_0						
40 D	21.13	-2.4849E-04	110.9	43.24	110.9	59.41	UL-RL	6.2051E+04	-7.800	62.40	
1.000	1.000	105.6	0.000	0.000	Ug5_2_8_L_0						
41 D	21.59	-2.5236E-04	114.1	43.96	114.1	60.33	UL-RL	6.2051E+04	-8.000	64.00	
1.000	1.000	108.0	0.000	0.000	Ug5_2_8_L_0						
42 D	22.07	-2.5532E-04	116.8	44.73	116.8	61.24	UL-RL	6.2051E+04	-8.200	65.60	
1.000	1.000	110.3	0.000	0.000	Ug5_2_8_L_0						
43 D	22.55	-2.5738E-04	119.9	45.57	119.9	62.15	UL-RL	6.2051E+04	-8.400	67.20	
1.000	1.000	112.8	0.000	0.000	Ug5_2_8_L_0						
44 D	23.05	-2.5856E-04	122.5	46.46	122.5	63.06	UL-RL	6.2051E+04	-8.600	68.80	
1.000	1.000	115.3	0.000	0.000	Ug5_2_8_L_0						
45 D	23.56	-2.5891E-04	125.6	47.41	125.6	63.96	UL-RL	6.2051E+04	-8.800	70.40	
1.000	1.000	117.8	0.000	0.000	Ug5_2_8_L_0						
46 D	24.09	-2.5850E-04	128.3	48.43	128.3	64.86	UL-RL	6.2051E+04	-9.000	72.00	
1.000	1.000	120.4	0.000	0.000	Ug5_2_8_L_0						
47 D	24.62	-2.5738E-04	131.3	49.50	131.3	65.75	UL-RL	6.2051E+04	-9.200	73.60	
1.000	1.000	123.1	0.000	0.000	Ug5_2_8_L_0						
48 D	25.17	-2.5563E-04	133.9	50.63	133.9	66.64	UL-RL	6.2051E+04	-9.400	75.20	
1.000	1.000	125.8	0.000	0.000	Ug5_2_8_L_0						
49 D	25.72	-2.5332E-04	136.9	51.81	136.9	67.53	UL-RL	6.2051E+04	-9.600	76.80	
1.000	1.000	128.6	0.000	0.000	Ug5_2_8_L_0						
50 D	26.29	-2.5054E-04	139.5	53.03	139.5	68.42	UL-RL	6.2051E+04	-9.800	78.40	
1.000	1.000	131.4	0.000	0.000	Ug5_2_8_L_0						
51 D	26.86	-2.4734E-04	142.5	54.29	142.5	69.31	UL-RL	6.2051E+04	-10.00	80.00	
1.000	1.000	134.3	0.000	0.000	Ug5_2_8_L_0						
52 D	27.44	-2.4381E-04	145.1	55.59	145.1	70.19	UL-RL	6.2051E+04	-10.20	81.60	
1.000	1.000	137.2	0.000	0.000	Ug5_2_8_L_0						
53 D	28.02	-2.3999E-04	148.1	56.91	148.1	71.08	UL-RL	6.2051E+04	-10.40	83.20	
1.000	1.000	140.1	0.000	0.000	Ug5_2_8_L_0						
54 D	28.61	-2.3596E-04	151.0	58.25	151.0	71.96	UL-RL	6.2051E+04	-10.60	84.80	
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0						
55 D	29.20	-2.3175E-04	153.6	59.62	153.6	72.85	UL-RL	6.2051E+04	-10.80	86.40	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
56 D	29.80	-2.2743E-04	156.5	60.99	156.5	73.73	UL-RL	6.2051E+04	-11.00	88.00	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
57 D	30.40	-2.2301E-04	159.1	62.38	159.1	74.61	UL-RL	6.2051E+04	-11.20	89.60	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
58 D	30.99	-2.1854E-04	162.0	63.77	162.0	75.50	UL-RL	6.2051E+04	-11.40	91.20	
1.000	1.000	155.0	0.000	0.000	Ug5_2_8_L_0						
59 D	31.59	-2.1404E-04	164.5	65.17	164.5	76.38	UL-RL	6.2051E+04	-11.60	92.80	
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0						
60 D	32.19	-2.0953E-04	167.4	66.56	167.4	77.26	UL-RL	6.2051E+04	-11.80	94.40	
1.000	1.000	161.0	0.000	0.000	Ug5_2_8_L_0						
61 D	16.40	-2.0501E-04	169.9	67.96	169.9	78.15	UL-RL	6.2051E+04	-12.00	96.00	
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      3.6357E-04   0.000       0.000       40.00       46.62          ACTIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.002      3.1303E-04   1.600       7.609       42.00       46.32           UL-RL  3.0850E+04  -4.200       2.400
1.000       1.000       10.01       0.000       0.000     Ug5_2_8_L_0
  23 D   4.717      2.7307E-04   3.200       18.79       44.00       46.16           UL-RL  3.0850E+04  -4.400       4.800
1.000       1.000       23.59       0.000       0.000     Ug5_2_8_L_0
  24 D   7.447      2.4227E-04   4.800       30.04       46.00       46.12           UL-RL  3.0850E+04  -4.600       7.200
1.000       1.000       37.24       0.000       0.000     Ug5_2_8_L_0
  25 D   9.466      2.1939E-04   6.400       37.73       48.00       46.21           UL-RL  3.0850E+04  -4.800       9.600
1.000       1.000       47.33       0.000       0.000     Ug5_2_8_L_0
  26 D   10.22      2.0330E-04   8.000       39.08       50.00       46.43           UL-RL  3.0850E+04  -5.000       12.00
1.000       1.000       51.08       0.000       0.000     Ug5_2_8_L_0
  27 D   10.97      1.9297E-04   9.600       40.45       52.00       46.75           UL-RL  3.0850E+04  -5.200       14.40
1.000       1.000       54.85       0.000       0.000     Ug5_2_8_L_0
  28 D   11.72      1.8744E-04   11.20       41.82       54.00       47.17           UL-RL  3.0850E+04  -5.400       16.80
```

1.000	1.000	58.62	0.000	0.000	Ug5_2_8_L_0						
29 D	12.48	1.8581E-04	12.80	43.19	56.00	47.69	UL-RL	3.0850E+04	-5.600	19.20	
1.000	1.000	62.39	0.000	0.000	Ug5_2_8_L_0						
30 D	13.16	1.8725E-04	14.40	44.18	58.00	48.48	UL-RL	3.0850E+04	-5.800	21.60	
1.000	1.000	65.78	0.000	0.000	Ug5_2_8_L_0						
31 D	13.78	1.9103E-04	16.00	44.92	60.00	49.46	UL-RL	3.0850E+04	-6.000	24.00	
1.000	1.000	68.92	0.000	0.000	Ug5_2_8_L_0						
32 D	14.43	1.9649E-04	17.60	45.77	62.00	50.42	UL-RL	3.0850E+04	-6.200	26.40	
1.000	1.000	72.17	0.000	0.000	Ug5_2_8_L_0						
33 D	15.10	2.0306E-04	19.20	46.72	64.00	51.37	UL-RL	3.0850E+04	-6.400	28.80	
1.000	1.000	75.52	0.000	0.000	Ug5_2_8_L_0						
34 D	15.79	2.1025E-04	20.80	47.73	66.00	52.31	UL-RL	3.0850E+04	-6.600	31.20	
1.000	1.000	78.93	0.000	0.000	Ug5_2_8_L_0						
35 D	16.48	2.1765E-04	22.40	48.79	68.00	53.23	UL-RL	3.0850E+04	-6.800	33.60	
1.000	1.000	82.39	0.000	0.000	Ug5_2_8_L_0						
36 D	17.17	2.2494E-04	24.00	49.87	70.00	54.14	UL-RL	3.0850E+04	-7.000	36.00	
1.000	1.000	85.87	0.000	0.000	Ug5_2_8_L_0						
37 D	17.87	2.3184E-04	25.60	50.96	72.00	55.05	UL-RL	3.0850E+04	-7.200	38.40	
1.000	1.000	89.36	0.000	0.000	Ug5_2_8_L_0						
38 D	18.57	2.3816E-04	27.20	52.04	74.00	55.95	UL-RL	3.0850E+04	-7.400	40.80	
1.000	1.000	92.84	0.000	0.000	Ug5_2_8_L_0						
39 D	19.26	2.4374E-04	28.80	53.11	76.00	56.83	UL-RL	3.0850E+04	-7.600	43.20	
1.000	1.000	96.30	0.000	0.000	Ug5_2_8_L_0						
40 D	19.95	2.4849E-04	30.40	54.14	78.00	57.72	UL-RL	3.0850E+04	-7.800	45.60	
1.000	1.000	99.74	0.000	0.000	Ug5_2_8_L_0						
41 D	20.63	2.5236E-04	32.00	55.14	80.00	58.59	UL-RL	3.0850E+04	-8.000	48.00	
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
42 D	21.30	2.5532E-04	33.60	56.10	82.00	59.46	UL-RL	3.0850E+04	-8.200	50.40	
1.000	1.000	106.5	0.000	0.000	Ug5_2_8_L_0						
43 D	21.97	2.5738E-04	35.20	57.03	84.00	60.33	UL-RL	3.0850E+04	-8.400	52.80	
1.000	1.000	109.8	0.000	0.000	Ug5_2_8_L_0						
44 D	22.62	2.5856E-04	36.80	57.91	86.00	61.19	UL-RL	3.0850E+04	-8.600	55.20	
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
45 D	23.27	2.5891E-04	38.40	58.76	88.00	62.05	UL-RL	3.0850E+04	-8.800	57.60	
1.000	1.000	116.4	0.000	0.000	Ug5_2_8_L_0						
46 D	23.91	2.5850E-04	40.00	59.57	90.00	62.90	UL-RL	3.0850E+04	-9.000	60.00	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
47 D	24.55	2.5738E-04	41.60	60.34	92.00	63.75	UL-RL	3.0850E+04	-9.200	62.40	
1.000	1.000	122.7	0.000	0.000	Ug5_2_8_L_0						
48 D	25.18	2.5563E-04	43.20	61.08	94.00	64.60	UL-RL	3.0850E+04	-9.400	64.80	
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0						
49 D	25.80	2.5332E-04	44.80	61.79	96.00	65.45	UL-RL	3.0850E+04	-9.600	67.20	
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0						
50 D	26.41	2.5054E-04	46.40	62.47	98.00	66.29	UL-RL	3.0850E+04	-9.800	69.60	
1.000	1.000	132.1	0.000	0.000	Ug5_2_8_L_0						
51 D	27.03	2.4734E-04	48.00	63.13	100.00	67.13	UL-RL	3.0850E+04	-10.00	72.00	
1.000	1.000	135.1	0.000	0.000	Ug5_2_8_L_0						
52 D	27.63	2.4381E-04	49.60	63.77	102.0	67.98	UL-RL	3.0850E+04	-10.20	74.40	
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0						
53 D	28.24	2.3999E-04	51.20	64.40	104.0	68.82	UL-RL	3.0850E+04	-10.40	76.80	
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0						
54 D	28.84	2.3596E-04	52.80	65.00	106.0	69.66	UL-RL	3.0850E+04	-10.60	79.20	
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0						
55 D	29.44	2.3175E-04	54.40	65.60	108.0	70.50	UL-RL	3.0850E+04	-10.80	81.60	
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
56 D	30.04	2.2743E-04	56.00	66.19	110.0	71.34	UL-RL	3.0850E+04	-11.00	84.00	
1.000	1.000	150.2	0.000	0.000	Ug5_2_8_L_0						
57 D	30.64	2.2301E-04	57.60	66.78	112.0	72.18	UL-RL	3.0850E+04	-11.20	86.40	
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0						
58 D	31.23	2.1854E-04	59.20	67.36	114.0	73.02	UL-RL	3.0850E+04	-11.40	88.80	
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0						
59 D	31.83	2.1404E-04	60.80	67.94	116.0	73.86	UL-RL	3.0850E+04	-11.60	91.20	
1.000	1.000	159.1	0.000	0.000	Ug5_2_8_L_0						
60 D	32.42	2.0953E-04	62.40	68.51	118.0	74.70	UL-RL	3.0850E+04	-11.80	93.60	
1.000	1.000	162.1	0.000	0.000	Ug5_2_8_L_0						
61 D	16.51	2.0501E-04	64.00	69.09	120.0	75.54	UL-RL	3.0850E+04	-12.00	96.00	
1.000	1.000	165.1	0.000	0.000	Ug5_2_8_L_0						

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-7.48592E-11 7.48592E-11-7.19569E-12 1.44922E-11
    2 0.56171    -0.56171    -2.05898E-11 0.11234
    3  1.7779     -1.7779    -0.11234     0.46792
    4  3.6561     -3.6561    -0.46792      1.1991
    5  6.2112     -6.2112     -1.1991      2.4414
    6  9.4423     -9.4423     -2.4414      4.3298
    7  13.327     -13.327     -4.3298      6.9952
    8  17.857     -17.857     -6.9952      10.567
    9  23.034     -23.034     -10.567      15.173
   10  28.841     -28.841     -15.173      20.942
   11  35.276     -35.276     -20.942      27.997
   12  42.318     -42.318     -27.997      36.460
   13  49.958     -49.958     -36.460      46.452
   14  58.168     -58.168     -46.452      58.086
   15  66.921     -66.921     -58.086      71.470
   16  76.169     -76.169     -71.470      86.704
   17 -19.145      19.145     -86.704      82.875
   18 -9.0969      9.0969     -82.875      81.055
   19  1.2507     -1.2507     -81.055      81.306
   20  11.847     -11.847     -81.306      83.675
   21 -57.860      57.860     -83.675      72.103
   22 -48.745      48.745     -72.103      62.354
   23 -42.041      42.041     -62.354      53.946
   24 -37.787      37.787     -53.946      46.389
   25 -35.291      35.291     -46.389      39.330
   26 -33.188      33.188     -39.330      32.693
   27 -30.729      30.729     -32.693      26.547
   28 -28.053      28.053     -26.547      20.937
   29 -25.277      25.277     -20.937      15.881
   30 -22.422      22.422     -15.881      11.397
   31 -19.522      19.522     -11.397      7.4925
   32 -16.667      16.667     -7.4925      4.1591
   33 -13.927      13.927     -4.1591      1.3737
   34 -11.356      11.356     -1.3737    -0.89740
   35 -8.9902      8.9902     0.89740     -2.6954
   36 -6.8542      6.8542      2.6954     -4.0663
   37 -4.9599      4.9599      4.0663     -5.0582
   38 -3.3104      3.3104      5.0582     -5.7203
   39 -1.9011      1.9011      5.7203     -6.1005
   40-0.72177     0.72177      6.1005     -6.2449
   41 0.24209    -0.24209      6.2449     -6.1965
   42  1.0079     -1.0079      6.1965     -5.9949
   43  1.5951     -1.5951      5.9949     -5.6759
   44  2.0237     -2.0237      5.6759     -5.2711
   45  2.3140     -2.3140      5.2711     -4.8083
   46  2.4858     -2.4858      4.8083     -4.3112
   47  2.5580     -2.5580      4.3112     -3.7996
   48  2.5479     -2.5479      3.7996     -3.2900
   49  2.4715     -2.4715      3.2900     -2.7957
   50  2.3431     -2.3431      2.7957     -2.3271
   51  2.1751     -2.1751      2.3271     -1.8920
   52  1.9780     -1.9780      1.8920     -1.4964
   53  1.7608     -1.7608      1.4964     -1.1443
   54  1.5307     -1.5307      1.1443    -0.83813
   55  1.2935     -1.2935     0.83813    -0.57944
   56  1.0533     -1.0533     0.57944    -0.36877
   57 0.81345    -0.81345     0.36877    -0.20608
   58 0.57592    -0.57592     0.20608    -9.08967E-02
   59 0.34202    -0.34202     9.08967E-02-2.24923E-02
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   60 0.11246    -0.11246     2.24923E-02-1.21529E-12

ITER     0 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1084E+06 RIMNOR=0.1338E+06
           RENORM=0.2283E+05 REMNOR=0.5039E-21 RATIO =0.4589     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.70
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1084E+06 RDR   =0.1338E+06
           RATIOT=0.4589     RATIOR= 0.000
           MAX UN= 104.8     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-100.8     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1084E+06 RIMNOR=0.1338E+06
           RENORM= 2.051     REMNOR=0.6779E-21 RATIO =0.4350E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.70
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1084E+06 RDR   =0.1338E+06
           RATIOT=0.4350E-02 RATIOR= 0.000
           MAX UN=0.8830     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5486E-10 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1084E+06 RIMNOR=0.1338E+06
           RENORM=0.7207     REMNOR=0.6709E-21 RATIO =0.2578E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.70
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1084E+06 RDR   =0.1338E+06
           RATIOT=0.2578E-02 RATIOR= 0.000
           MAX UN=0.6925     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.8230E-10 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1084E+06 RIMNOR=0.1338E+06
           RENORM=0.5262E-01 REMNOR=0.1870E-21 RATIO =0.6966E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.70
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1084E+06 RDR   =0.1338E+06
           RATIOT=0.6966E-03 RATIOR= 0.000
           MAX UN=0.2294     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.9592E-10 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1084E+06 RIMNOR=0.1338E+06
           RENORM=0.5658E-05 REMNOR=0.9989E-21 RATIO =0.7224E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 181.0     RMMAX = 86.70
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1084E+06 RDR   =0.1338E+06
           RATIOT=0.7224E-05 RATIOR= 0.000
           MAX UN=0.2379E-02 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           MIN UN=-.2696E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3467070E-03  -8.2285776E-04
    2   3.1821355E-03  -8.2285776E-04
    3   3.0175660E-03  -8.2282658E-04
    4   2.8530132E-03  -8.2266934E-04
    5   2.6885173E-03  -8.2222554E-04
    6   2.5241573E-03  -8.2126734E-04
    7   2.3600645E-03  -8.1949854E-04
    8   2.1964361E-03  -8.1655600E-04
    9   2.0335488E-03  -8.1201158E-04
   10   1.8717712E-03  -8.0537207E-04
   11   1.7115769E-03  -7.9607950E-04
   12   1.5535577E-03  -7.8351148E-04
   13   1.3984364E-03  -7.6698122E-04
   14   1.2470795E-03  -7.4573780E-04
   15   1.1005112E-03  -7.1894663E-04
   16   9.5993314E-04  -6.8567058E-04
   17   8.2674379E-04  -6.4487194E-04
   18   7.0256079E-04  -5.9541683E-04
   19   5.8923590E-04  -5.3607907E-04
   20   4.8887539E-04  -4.6554783E-04
   21   4.0385589E-04  -3.8243595E-04
   22   3.3595453E-04  -2.9852789E-04
   23   2.8371645E-04  -2.2554416E-04
   24   2.4511420E-04  -1.6190039E-04
   25   2.1844295E-04  -1.0595667E-04
   26   2.0233060E-04  -5.6027015E-05
   27   1.9552629E-04  -1.3685579E-05
   28   1.9624045E-04   1.9416537E-05
   29   2.0277264E-04   4.4714616E-05
   30   2.1368557E-04   6.3401779E-05
   31   2.2775477E-04   7.6410321E-05
   32   2.4392320E-04   8.4522654E-05
   33   2.6128715E-04   8.8485887E-05
   34   2.7908775E-04   8.9002010E-05
   35   2.9670142E-04   8.6720095E-05
   36   3.1362864E-04   8.2230998E-05
   37   3.2948192E-04   7.6064550E-05
   38   3.4397375E-04   6.8688593E-05
   39   3.5690384E-04   6.0509987E-05
   40   3.6814742E-04   5.1876639E-05
   41   3.7764366E-04   4.3080673E-05
   42   3.8538487E-04   3.4362308E-05
   43   3.9140660E-04   2.5914215E-05
   44   3.9577856E-04   1.7886154E-05
   45   3.9859649E-04   1.0389750E-05
   46   3.9997509E-04   3.5030379E-06
   47   4.0004163E-04  -2.7247709E-06
   48   3.9893074E-04  -8.2691461E-06
   49   3.9677979E-04  -1.3126217E-05
   50   3.9372521E-04  -1.7309125E-05
   51   3.8989930E-04  -2.0844855E-05
   52   3.8542777E-04  -2.3771327E-05
   53   3.8042846E-04  -2.6134644E-05
   54   3.7500817E-04  -2.7987879E-05
   55   3.6926349E-04  -2.9388354E-05
   56   3.6327896E-04  -3.0396848E-05
   57   3.5712668E-04  -3.1076409E-05
   58   3.5086602E-04  -3.1491564E-05
   59   3.4454332E-04  -3.1707764E-05
   60   3.3819178E-04  -3.1791022E-05
   61   3.3183103E-04  -3.1807694E-05
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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*               |
|                                                                                                                       |
|                                         NewProject.BaseDesignSection_28.Nominal_63                                    |
|                                     Exe Time :24 May 2018       18:23:40                                              |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


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

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      6.0000

 HARDENING 2D SOIL ELEMENT

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

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p      LAYER
------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D  0.000     -3.3467E-03  0.000       0.000       0.000       0.000         ACTIVE  0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000      Ug5_2_8_L_0
   2 D  0.4262    -3.1821E-03  2.641       0.6575      2.641       4.391         ACTIVE  0.000     -0.2000       1.474
1.000       1.000       2.131       0.000       0.000      Ug5_2_8_L_0
   3 D  0.8710    -3.0176E-03  5.653       1.408       5.653       7.857         ACTIVE  0.000     -0.4000       2.947
1.000       1.000       4.355       0.000       0.000      Ug5_2_8_L_0
   4 D  1.323     -2.8530E-03  8.821       2.196       8.821       10.57         ACTIVE  0.000     -0.6000       4.421
1.000       1.000       6.617       0.000       0.000      Ug5_2_8_L_0
   5 D  1.791     -2.6885E-03  12.29       3.061       12.29       12.90         ACTIVE  0.000     -0.8000       5.895
1.000       1.000       8.956       0.000       0.000      Ug5_2_8_L_0
   6 D  2.259     -2.5242E-03  15.77       3.926       15.77       15.05         ACTIVE  0.000      -1.000       7.368
1.000       1.000       11.29       0.000       0.000      Ug5_2_8_L_0
   7 D  2.706     -2.3601E-03  18.82       4.686       18.82       17.09         ACTIVE  0.000      -1.200       8.842
1.000       1.000       13.53       0.000       0.000      Ug5_2_8_L_0
   8 D  3.148     -2.1964E-03  21.79       5.425       21.79       19.05         ACTIVE  0.000      -1.400       10.32
1.000       1.000       15.74       0.000       0.000      Ug5_2_8_L_0
   9 D  3.595     -2.0335E-03  24.84       6.186       24.84       20.96         ACTIVE  0.000      -1.600       11.79
1.000       1.000       17.98       0.000       0.000      Ug5_2_8_L_0
  10 D  4.033     -1.8718E-03  27.72       6.903       27.72       22.80         ACTIVE  0.000      -1.800       13.26
1.000       1.000       20.17       0.000       0.000      Ug5_2_8_L_0
  11 D  4.476     -1.7116E-03  30.70       7.645       30.70       24.58         ACTIVE  0.000      -2.000       14.74
1.000       1.000       22.38       0.000       0.000      Ug5_2_8_L_0
  12 D  4.913     -1.5536E-03  33.56       8.356       33.56       26.31         ACTIVE  0.000      -2.200       16.21
1.000       1.000       24.57       0.000       0.000      Ug5_2_8_L_0
  13 D  5.355     -1.3984E-03  36.52       9.093       36.52       27.98         ACTIVE  0.000      -2.400       17.68
1.000       1.000       26.78       0.000       0.000      Ug5_2_8_L_0
  14 D  6.057     -1.2471E-03  39.39       11.13       39.39       29.60          UL-RL  4.9641E+04  -2.600       19.16
1.000       1.000       30.29       0.000       0.000      Ug5_2_8_L_0
  15 D  6.755     -1.1005E-03  42.34       13.14       42.34       31.16          UL-RL  4.9641E+04  -2.800       20.63
1.000       1.000       33.77       0.000       0.000      Ug5_2_8_L_0
  16 D  7.430     -9.5993E-04  45.23       15.04       45.23       32.68          UL-RL  4.9641E+04  -3.000       22.11
1.000       1.000       37.15       0.000       0.000      Ug5_2_8_L_0
  17 D  8.078     -8.2674E-04  48.19       16.81       48.19       34.14          UL-RL  4.9641E+04  -3.200       23.58
1.000       1.000       40.39       0.000       0.000      Ug5_2_8_L_0
  18 D  8.683     -7.0256E-04  51.10       18.36       51.10       35.55          UL-RL  4.9641E+04  -3.400       25.05
1.000       1.000       43.42       0.000       0.000      Ug5_2_8_L_0
  19 D  9.238     -5.8924E-04  54.01       19.67       54.01       36.92          UL-RL  4.9641E+04  -3.600       26.53
1.000       1.000       46.19       0.000       0.000      Ug5_2_8_L_0
  20 D  9.733     -4.8888E-04  56.99       20.66       56.99       38.25          UL-RL  4.9641E+04  -3.800       28.00
1.000       1.000       48.66       0.000       0.000      Ug5_2_8_L_0
  21 D  10.14     -4.0386E-04  59.91       21.23       59.91       39.53          UL-RL  4.9641E+04  -4.000       29.47
1.000       1.000       50.70       0.000       0.000      Ug5_2_8_L_0
  22 D  10.62     -3.3595E-04  62.89       22.17       62.89       40.78          UL-RL  4.9641E+04  -4.200       30.95
1.000       1.000       53.12       0.000       0.000      Ug5_2_8_L_0
  23 D  11.04     -2.8372E-04  65.82       22.77       65.82       42.00          UL-RL  4.9641E+04  -4.400       32.42
1.000       1.000       55.19       0.000       0.000      Ug5_2_8_L_0
  24 D  11.38     -2.4511E-04  68.80       23.02       68.80       43.18          UL-RL  4.9641E+04  -4.600       33.89
1.000       1.000       56.91       0.000       0.000      Ug5_2_8_L_0
  25 D  11.67     -2.1844E-04  71.72       22.97       71.72       44.33          UL-RL  4.9641E+04  -4.800       35.37
1.000       1.000       58.34       0.000       0.000      Ug5_2_8_L_0
  26 D  12.01     -2.0233E-04  74.65       23.23       74.65       45.46          UL-RL  4.9641E+04  -5.000       36.84
1.000       1.000       60.07       0.000       0.000      Ug5_2_8_L_0
  27 D  13.07     -1.9553E-04  77.40       27.06       77.40       46.56          UL-RL  4.9641E+04  -5.200       38.32
1.000       1.000       65.37       0.000       0.000      Ug5_2_8_L_0
  28 D  13.97     -1.9624E-04  80.16       30.07       80.16       47.64          UL-RL  4.9641E+04  -5.400       39.79
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1.000	1.000	69.86	0.000	0.000	Ug5_2_8_L_0						
29 D	14.73	-2.0277E-04	82.92	32.40	82.92	48.70	UL-RL	4.9641E+04	-5.600	41.26	
1.000	1.000	73.66	0.000	0.000	Ug5_2_8_L_0						
30 D	15.38	-2.1369E-04	85.69	34.17	85.69	49.74	UL-RL	4.9641E+04	-5.800	42.74	
1.000	1.000	76.91	0.000	0.000	Ug5_2_8_L_0						
31 D	15.94	-2.2775E-04	88.46	35.49	88.46	50.76	UL-RL	4.9641E+04	-6.000	44.21	
1.000	1.000	79.70	0.000	0.000	Ug5_2_8_L_0						
32 D	16.43	-2.4392E-04	91.22	36.45	91.22	51.77	UL-RL	4.9641E+04	-6.200	45.68	
1.000	1.000	82.13	0.000	0.000	Ug5_2_8_L_0						
33 D	16.86	-2.6129E-04	93.99	37.15	93.99	52.76	UL-RL	4.9641E+04	-6.400	47.16	
1.000	1.000	84.31	0.000	0.000	Ug5_2_8_L_0						
34 D	17.26	-2.7909E-04	97.00	37.66	97.00	53.74	UL-RL	4.9641E+04	-6.600	48.63	
1.000	1.000	86.29	0.000	0.000	Ug5_2_8_L_0						
35 D	17.63	-2.9670E-04	99.90	38.04	99.90	54.71	UL-RL	4.9641E+04	-6.800	50.11	
1.000	1.000	88.15	0.000	0.000	Ug5_2_8_L_0						
36 D	17.99	-3.1363E-04	103.4	38.36	103.4	55.67	UL-RL	4.9641E+04	-7.000	51.58	
1.000	1.000	89.94	0.000	0.000	Ug5_2_8_L_0						
37 D	18.34	-3.2948E-04	106.2	38.66	106.2	56.61	UL-RL	4.9641E+04	-7.200	53.05	
1.000	1.000	91.71	0.000	0.000	Ug5_2_8_L_0						
38 D	18.70	-3.4397E-04	109.6	38.98	109.6	57.55	UL-RL	4.9641E+04	-7.400	54.53	
1.000	1.000	93.50	0.000	0.000	Ug5_2_8_L_0						
39 D	19.07	-3.5690E-04	112.5	39.33	112.5	58.49	UL-RL	4.9641E+04	-7.600	56.00	
1.000	1.000	95.33	0.000	0.000	Ug5_2_8_L_0						
40 D	19.45	-3.6815E-04	115.8	39.76	115.8	59.41	UL-RL	4.9641E+04	-7.800	57.47	
1.000	1.000	97.23	0.000	0.000	Ug5_2_8_L_0						
41 D	19.84	-3.7764E-04	119.1	40.27	119.1	60.33	UL-RL	4.9641E+04	-8.000	58.95	
1.000	1.000	99.21	0.000	0.000	Ug5_2_8_L_0						
42 D	20.26	-3.8538E-04	121.9	40.87	121.9	61.24	UL-RL	4.9641E+04	-8.200	60.42	
1.000	1.000	101.3	0.000	0.000	Ug5_2_8_L_0						
43 D	20.69	-3.9141E-04	125.2	41.56	125.2	62.15	UL-RL	4.9641E+04	-8.400	61.89	
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0						
44 D	21.15	-3.9578E-04	128.0	42.36	128.0	63.06	UL-RL	4.9641E+04	-8.600	63.37	
1.000	1.000	105.7	0.000	0.000	Ug5_2_8_L_0						
45 D	21.62	-3.9860E-04	131.2	43.26	131.2	63.96	UL-RL	4.9641E+04	-8.800	64.84	
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0						
46 D	22.11	-3.9998E-04	133.9	44.25	133.9	64.86	UL-RL	4.9641E+04	-9.000	66.32	
1.000	1.000	110.6	0.000	0.000	Ug5_2_8_L_0						
47 D	22.62	-4.0004E-04	137.1	45.33	137.1	65.75	UL-RL	4.9641E+04	-9.200	67.79	
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
48 D	23.15	-3.9893E-04	139.9	46.48	139.9	66.64	UL-RL	4.9641E+04	-9.400	69.26	
1.000	1.000	115.7	0.000	0.000	Ug5_2_8_L_0						
49 D	23.69	-3.9678E-04	143.0	47.72	143.0	67.53	UL-RL	4.9641E+04	-9.600	70.74	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
50 D	24.25	-3.9373E-04	145.7	49.02	145.7	68.42	UL-RL	4.9641E+04	-9.800	72.21	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
51 D	24.81	-3.8990E-04	148.8	50.37	148.8	69.31	UL-RL	4.9641E+04	-10.00	73.68	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
52 D	25.39	-3.8543E-04	151.5	51.78	151.5	70.19	UL-RL	4.9641E+04	-10.20	75.16	
1.000	1.000	126.9	0.000	0.000	Ug5_2_8_L_0						
53 D	25.97	-3.8043E-04	154.6	53.22	154.6	71.08	UL-RL	4.9641E+04	-10.40	76.63	
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0						
54 D	26.56	-3.7501E-04	157.7	54.70	157.7	71.96	UL-RL	4.9641E+04	-10.60	78.11	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
55 D	27.16	-3.6926E-04	160.4	56.20	160.4	72.85	UL-RL	4.9641E+04	-10.80	79.58	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
56 D	27.76	-3.6328E-04	163.4	57.72	163.4	73.73	UL-RL	4.9641E+04	-11.00	81.05	
1.000	1.000	138.8	0.000	0.000	Ug5_2_8_L_0						
57 D	28.36	-3.5713E-04	166.1	59.26	166.1	74.61	UL-RL	4.9641E+04	-11.20	82.53	
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0						
58 D	28.96	-3.5087E-04	169.2	60.80	169.2	75.50	UL-RL	4.9641E+04	-11.40	84.00	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
59 D	29.56	-3.4454E-04	171.8	62.35	171.8	76.38	UL-RL	4.9641E+04	-11.60	85.47	
1.000	1.000	147.8	0.000	0.000	Ug5_2_8_L_0						
60 D	30.17	-3.3819E-04	174.8	63.90	174.8	77.26	UL-RL	4.9641E+04	-11.80	86.95	
1.000	1.000	150.9	0.000	0.000	Ug5_2_8_L_0						
61 D	15.39	-3.3183E-04	177.5	65.46	177.5	78.15	UL-RL	4.9641E+04	-12.00	88.42	
1.000	1.000	153.9	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                  Exe Time :24 May 2018       18:23:40                                                         |
 +-------------------------------------------------------------------------------------------------------------------------------+
New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  26 D   0.000      2.0233E-04   0.000       0.000       50.00       46.43       PASSIVE   0.000       -5.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  27 D   2.467      1.9553E-04   1.474       9.810       52.00       46.75         UL-RL  2.4680E+04  -5.200       2.526
1.000       1.000       12.34       0.000       0.000     Ug5_2_8_L_0
  28 D   4.953      1.9624E-04   2.947       19.71       54.00       47.17         UL-RL  2.4680E+04  -5.400       5.053
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1.000	1.000	24.76	0.000	0.000	Ug5_2_8_L_0						
29 D	7.439	2.0277E-04	4.421	29.62	56.00	47.69	UL-RL	2.4680E+04	-5.600	7.579	
1.000	1.000	37.20	0.000	0.000	Ug5_2_8_L_0						
30 D	9.928	2.1369E-04	5.895	39.53	58.00	48.48	UL-RL	2.4680E+04	-5.800	10.11	
1.000	1.000	49.64	0.000	0.000	Ug5_2_8_L_0						
31 D	10.69	2.2775E-04	7.368	40.84	60.00	49.46	UL-RL	2.4680E+04	-6.000	12.63	
1.000	1.000	53.47	0.000	0.000	Ug5_2_8_L_0						
32 D	11.46	2.4392E-04	8.842	42.13	62.00	50.42	UL-RL	2.4680E+04	-6.200	15.16	
1.000	1.000	57.29	0.000	0.000	Ug5_2_8_L_0						
33 D	12.23	2.6129E-04	10.32	43.47	64.00	51.37	UL-RL	2.4680E+04	-6.400	17.68	
1.000	1.000	61.16	0.000	0.000	Ug5_2_8_L_0						
34 D	13.01	2.7909E-04	11.79	44.85	66.00	52.31	UL-RL	2.4680E+04	-6.600	20.21	
1.000	1.000	65.06	0.000	0.000	Ug5_2_8_L_0						
35 D	13.80	2.9670E-04	13.26	46.25	68.00	53.23	UL-RL	2.4680E+04	-6.800	22.74	
1.000	1.000	68.98	0.000	0.000	Ug5_2_8_L_0						
36 D	14.58	3.1363E-04	14.74	47.63	70.00	54.14	UL-RL	2.4680E+04	-7.000	25.26	
1.000	1.000	72.89	0.000	0.000	Ug5_2_8_L_0						
37 D	15.36	3.2948E-04	16.21	48.99	72.00	55.05	UL-RL	2.4680E+04	-7.200	27.79	
1.000	1.000	76.78	0.000	0.000	Ug5_2_8_L_0						
38 D	16.13	3.4397E-04	17.68	50.31	74.00	55.95	UL-RL	2.4680E+04	-7.400	30.32	
1.000	1.000	80.63	0.000	0.000	Ug5_2_8_L_0						
39 D	16.89	3.5690E-04	19.16	51.58	76.00	56.83	UL-RL	2.4680E+04	-7.600	32.84	
1.000	1.000	84.43	0.000	0.000	Ug5_2_8_L_0						
40 D	17.63	3.6815E-04	20.63	52.80	78.00	57.72	UL-RL	2.4680E+04	-7.800	35.37	
1.000	1.000	88.17	0.000	0.000	Ug5_2_8_L_0						
41 D	18.37	3.7764E-04	22.11	53.96	80.00	58.59	UL-RL	2.4680E+04	-8.000	37.89	
1.000	1.000	91.86	0.000	0.000	Ug5_2_8_L_0						
42 D	19.10	3.8538E-04	23.58	55.06	82.00	59.46	UL-RL	2.4680E+04	-8.200	40.42	
1.000	1.000	95.48	0.000	0.000	Ug5_2_8_L_0						
43 D	19.81	3.9141E-04	25.05	56.09	84.00	60.33	UL-RL	2.4680E+04	-8.400	42.95	
1.000	1.000	99.03	0.000	0.000	Ug5_2_8_L_0						
44 D	20.51	3.9578E-04	26.53	57.05	86.00	61.19	UL-RL	2.4680E+04	-8.600	45.47	
1.000	1.000	102.5	0.000	0.000	Ug5_2_8_L_0						
45 D	21.19	3.9860E-04	28.00	57.96	88.00	62.05	UL-RL	2.4680E+04	-8.800	48.00	
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0						
46 D	21.87	3.9998E-04	29.47	58.81	90.00	62.90	UL-RL	2.4680E+04	-9.000	50.53	
1.000	1.000	109.3	0.000	0.000	Ug5_2_8_L_0						
47 D	22.53	4.0004E-04	30.95	59.61	92.00	63.75	UL-RL	2.4680E+04	-9.200	53.05	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
48 D	23.19	3.9893E-04	32.42	60.36	94.00	64.60	UL-RL	2.4680E+04	-9.400	55.58	
1.000	1.000	115.9	0.000	0.000	Ug5_2_8_L_0						
49 D	23.83	3.9678E-04	33.89	61.06	96.00	65.45	UL-RL	2.4680E+04	-9.600	58.11	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
50 D	24.47	3.9373E-04	35.37	61.73	98.00	66.29	UL-RL	2.4680E+04	-9.800	60.63	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
51 D	25.10	3.8990E-04	36.84	62.36	100.00	67.13	UL-RL	2.4680E+04	-10.00	63.16	
1.000	1.000	125.5	0.000	0.000	Ug5_2_8_L_0						
52 D	25.73	3.8543E-04	38.32	62.96	102.0	67.98	UL-RL	2.4680E+04	-10.20	65.68	
1.000	1.000	128.6	0.000	0.000	Ug5_2_8_L_0						
53 D	26.35	3.8043E-04	39.79	63.54	104.0	68.82	UL-RL	2.4680E+04	-10.40	68.21	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
54 D	26.97	3.7501E-04	41.26	64.10	106.0	69.66	UL-RL	2.4680E+04	-10.60	70.74	
1.000	1.000	134.8	0.000	0.000	Ug5_2_8_L_0						
55 D	27.58	3.6926E-04	42.74	64.64	108.0	70.50	UL-RL	2.4680E+04	-10.80	73.26	
1.000	1.000	137.9	0.000	0.000	Ug5_2_8_L_0						
56 D	28.19	3.6328E-04	44.21	65.17	110.0	71.34	UL-RL	2.4680E+04	-11.00	75.79	
1.000	1.000	141.0	0.000	0.000	Ug5_2_8_L_0						
57 D	28.80	3.5713E-04	45.68	65.69	112.0	72.18	UL-RL	2.4680E+04	-11.20	78.32	
1.000	1.000	144.0	0.000	0.000	Ug5_2_8_L_0						
58 D	29.41	3.5087E-04	47.16	66.21	114.0	73.02	UL-RL	2.4680E+04	-11.40	80.84	
1.000	1.000	147.1	0.000	0.000	Ug5_2_8_L_0						
59 D	30.02	3.4454E-04	48.63	66.72	116.0	73.86	UL-RL	2.4680E+04	-11.60	83.37	
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0						
60 D	30.62	3.3819E-04	50.11	67.23	118.0	74.70	UL-RL	2.4680E+04	-11.80	85.89	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
61 D	15.62	3.3183E-04	51.58	67.74	120.0	75.54	UL-RL	2.4680E+04	-12.00	88.42	
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.25684E-10-1.25684E-10 1.24979E-11 3.47231E-11
    2 0.42624    -0.42624    -2.17053E-11 8.52476E-02
    3  1.2972     -1.2972    -8.52476E-02 0.34470
    4  2.6207     -2.6207    -0.34470     0.86884
    5  4.4119     -4.4119    -0.86884      1.7512
    6  6.6707     -6.6707     -1.7512      3.0854
    7  9.3763     -9.3763     -3.0854      4.9606
    8  12.524     -12.524     -4.9606      7.4655
    9  16.120     -16.120     -7.4655      10.689
   10  20.153     -20.153     -10.689      14.720
   11  24.629     -24.629     -14.720      19.646
   12  29.542     -29.542     -19.646      25.554
   13  34.895     -34.895     -25.554      32.533
   14  40.953     -40.953     -32.533      40.724
   15  47.708     -47.708     -40.724      50.265
   16  55.137     -55.137     -50.265      61.293
   17  63.216     -63.216     -61.293      73.936
   18  71.899     -71.899     -73.936      88.316
   19  81.137     -81.137     -88.316      104.54
   20  90.870     -90.870     -104.54      122.72
   21 -79.990      79.990     -122.72      106.72
   22 -69.366      69.366     -106.72      92.846
   23 -58.328      58.328     -92.846      81.180
   24 -46.946      46.946     -81.180      71.791
   25 -35.278      35.278     -71.791      64.735
   26 -68.465      68.465     -64.735      51.043
   27 -57.857      57.857     -51.043      39.471
   28 -48.838      48.838     -39.471      29.703
   29 -41.545      41.545     -29.703      21.394
   30 -36.092      36.092     -21.394      14.176
   31 -30.848      30.848     -14.176      8.0064
   32 -25.879      25.879     -8.0064      2.8306
   33 -21.250      21.250     -2.8306     -1.4193
   34 -17.005      17.005      1.4193     -4.8203
   35 -13.171      13.171      4.8203     -7.4546
   36 -9.7615      9.7615      7.4546     -9.4069
   37 -6.7744      6.7744      9.4069     -10.762
   38 -4.1993      4.1993      10.762     -11.602
   39 -2.0178      2.0178      11.602     -12.005
   40-0.20544     0.20544      12.005     -12.046
   41  1.2664     -1.2664      12.046     -11.793
   42  2.4287     -2.4287      11.793     -11.307
   43  3.3139     -3.3139      11.307     -10.644
   44  3.9543     -3.9543      10.644     -9.8536
   45  4.3818     -4.3818      9.8536     -8.9772
   46  4.6266     -4.6266      8.9772     -8.0519
   47  4.7172     -4.7172      8.0519     -7.1085
   48  4.6796     -4.6796      7.1085     -6.1726
   49  4.5373     -4.5373      6.1726     -5.2651
   50  4.3112     -4.3112      5.2651     -4.4029
   51  4.0194     -4.0194      4.4029     -3.5990
   52  3.6774     -3.6774      3.5990     -2.8635
   53  3.2981     -3.2981      2.8635     -2.2039
   54  2.8920     -2.8920      2.2039     -1.6255
   55  2.4672     -2.4672      1.6255     -1.1321
   56  2.0300     -2.0300      1.1321    -0.72609
   57  1.5850     -1.5850     0.72609    -0.40910
   58  1.1351     -1.1351     0.40910    -0.18207
   59 0.68244    -0.68244     0.18207    -4.55849E-02
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   60 0.22791    -0.22791     4.55849E-02 1.46995E-12

ITER     0 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM=0.1923E+06 REMNOR=0.9989E-21 RATIO = 1.076     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT= 1.076     RATIOR= 0.000
           MAX UN= 180.7     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-322.3     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM= 496.1     REMNOR=0.1991E-20 RATIO =0.5464E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT=0.5464E-01 RATIOR= 0.000
           MAX UN= 3.374     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-9.135     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM= 16.51     REMNOR=0.2874E-20 RATIO =0.9968E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT=0.9968E-02 RATIOR= 0.000
           MAX UN= 2.041     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-2.467     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM=0.1538     REMNOR=0.2518E-20 RATIO =0.9620E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT=0.9620E-03 RATIOR= 0.000
           MAX UN=0.5438E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2386     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM=0.1073     REMNOR=0.1589E-20 RATIO =0.8035E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT=0.8035E-03 RATIOR= 0.000
           MAX UN=0.1165     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2598E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1662E+06 RIMNOR=0.1859E+06
           RENORM=0.6770E-04 REMNOR=0.1778E-20 RATIO =0.2018E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 322.0     RMMAX = 122.7
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1662E+06 RDR   =0.1859E+06
           RATIOT=0.2018E-04 RATIOR= 0.000
           MAX UN=0.2734E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.6164E-02 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.2064438E-03  -1.6696350E-03
    2   4.8725168E-03  -1.6696350E-03
    3   4.5385918E-03  -1.6696048E-03
    4   4.2046830E-03  -1.6694529E-03
    5   3.8708291E-03  -1.6690248E-03
    6   3.5371061E-03  -1.6681011E-03
    7   3.2036406E-03  -1.6663968E-03
    8   2.8706227E-03  -1.6635626E-03
    9   2.5383184E-03  -1.6591866E-03
   10   2.2070825E-03  -1.6527946E-03
   11   1.8773707E-03  -1.6438504E-03
   12   1.5497523E-03  -1.6317558E-03
   13   1.2249228E-03  -1.6158458E-03
   14   9.0372404E-04  -1.5952856E-03
   15   5.8719331E-04  -1.5689534E-03
   16   2.7661891E-04  -1.5354776E-03
   17  -2.6419658E-05  -1.4933082E-03
   18  -3.2001228E-04  -1.4407348E-03
   19  -6.0189536E-04  -1.3758882E-03
   20  -8.6941442E-04  -1.2967446E-03
   21  -1.1194940E-03  -1.2011309E-03
   22  -1.3486130E-03  -1.0867289E-03
   23  -1.5527693E-03  -9.5108335E-04
   24  -1.7274574E-03  -7.9160417E-04
   25  -1.8676410E-03  -6.0557592E-04
   26  -1.9692993E-03  -4.1372138E-04
   27  -2.0341155E-03  -2.3666107E-04
   28  -2.0647467E-03  -7.1350580E-05
   29  -2.0632288E-03   8.5364176E-05
   30  -2.0309575E-03   2.3673212E-04
   31  -1.9686707E-03   3.8607903E-04
   32  -1.8776105E-03   5.1916347E-04
   33  -1.7630391E-03   6.2174782E-04
   34  -1.6307226E-03   6.9716468E-04
   35  -1.4857665E-03   7.4868174E-04
   36  -1.3326303E-03   7.7949324E-04
   37  -1.1751494E-03   7.9261418E-04
   38  -1.0165799E-03   7.9081672E-04
   39  -8.5964611E-04   7.7666852E-04
   40  -7.0657826E-04   7.5253430E-04
   41  -5.5915376E-04   7.2057953E-04
   42  -4.1873634E-04   6.8277643E-04
   43  -2.8631398E-04   6.4091152E-04
   44  -1.6253521E-04   5.9659446E-04
   45  -4.7744048E-05   5.5126805E-04
   46   5.7989817E-05   5.0621740E-04
   47   1.5483510E-04   4.6254953E-04
   48   2.4316193E-04   4.2116611E-04
   49   3.2350090E-04   3.8277303E-04
   50   3.9650527E-04   3.4789730E-04
   51   4.6291813E-04   3.1690184E-04
   52   5.2354040E-04   2.8999996E-04
   53   5.7919509E-04   2.6727072E-04
   54   6.3072054E-04   2.4866158E-04
   55   6.7892337E-04   2.3400720E-04
   56   7.2456866E-04   2.2303143E-04
   57   7.6835586E-04   2.1535450E-04
   58   8.1089846E-04   2.1049750E-04
   59   8.5270453E-04   2.0788550E-04
   60   8.9415773E-04   2.0684964E-04
   61   9.3550128E-04   2.0663631E-04
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                                |
 |                                Exe Time :24 May 2018       18:23:40                                                           |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -5.2064E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4123     -4.8725E-03   2.781      0.7283       2.781       4.391           UL-RL  4.1367E+04 -0.2000       1.333
1.000       1.000       2.062       0.000       0.000     Ug5_2_8_L_0
   3 D  0.8393     -4.5386E-03   5.934       1.530       5.934       7.857           UL-RL  4.1367E+04 -0.4000       2.667
1.000       1.000       4.196       0.000       0.000     Ug5_2_8_L_0
   4 D   1.274     -4.2047E-03   9.242       2.370       9.242       10.57           UL-RL  4.1367E+04 -0.6000       4.000
1.000       1.000       6.370       0.000       0.000     Ug5_2_8_L_0
   5 D   1.724     -3.8708E-03   12.85       3.286       12.85       12.90           UL-RL  4.1367E+04 -0.8000       5.333
1.000       1.000       8.619       0.000       0.000     Ug5_2_8_L_0
   6 D   2.174     -3.5371E-03   16.47       4.202       16.47       15.05           UL-RL  4.1367E+04  -1.000       6.667
1.000       1.000       10.87       0.000       0.000     Ug5_2_8_L_0
   7 D   2.603     -3.2036E-03   19.66       5.013       19.66       17.09           UL-RL  4.1367E+04  -1.200       8.000
1.000       1.000       13.01       0.000       0.000     Ug5_2_8_L_0
   8 D   3.027     -2.8706E-03   22.77       5.802       22.77       19.05           UL-RL  4.1367E+04  -1.400       9.333
1.000       1.000       15.14       0.000       0.000     Ug5_2_8_L_0
   9 D   3.456     -2.5383E-03   25.97       6.614       25.97       20.96           UL-RL  4.1367E+04  -1.600       10.67
1.000       1.000       17.28       0.000       0.000     Ug5_2_8_L_0
  10 D   3.876     -2.2071E-03   28.98       7.381       28.98       22.80           UL-RL  4.1367E+04  -1.800       12.00
1.000       1.000       19.38       0.000       0.000     Ug5_2_8_L_0
  11 D   4.301     -1.8774E-03   32.10       8.173       32.10       24.58           UL-RL  4.1367E+04  -2.000       13.33
1.000       1.000       21.51       0.000       0.000     Ug5_2_8_L_0
  12 D   4.790     -1.5498E-03   35.10       9.286       35.10       26.31           UL-RL  4.1367E+04  -2.200       14.67
1.000       1.000       23.95       0.000       0.000     Ug5_2_8_L_0
  13 D   6.623     -1.2249E-03   38.20       17.11       38.20       27.98           UL-RL  4.1367E+04  -2.400       16.00
1.000       1.000       33.11       0.000       0.000     Ug5_2_8_L_0
  14 D   8.716     -9.0372E-04   41.21       26.24       41.21       29.60           UL-RL  4.1367E+04  -2.600       17.33
1.000       1.000       43.58       0.000       0.000     Ug5_2_8_L_0
  15 D   10.04     -5.8719E-04   44.31       31.52       44.31       33.08           UL-RL  4.1367E+04  -2.800       18.67
1.000       1.000       50.19       0.000       0.000     Ug5_2_8_L_0
  16 D   11.15     -2.7662E-04   47.33       35.74       47.33       36.99           UL-RL  4.1367E+04  -3.000       20.00
1.000       1.000       55.74       0.000       0.000     Ug5_2_8_L_0
  17 D   12.24      2.6420E-05   50.44       39.88       50.44       40.81           UL-RL  4.1367E+04  -3.200       21.33
1.000       1.000       61.21       0.000       0.000     Ug5_2_8_L_0
  18 D   13.31      3.2001E-04   53.48       43.89       53.48       44.53           UL-RL  4.1367E+04  -3.400       22.67
1.000       1.000       66.56       0.000       0.000     Ug5_2_8_L_0
  19 D   14.35      6.0190E-04   56.53       47.77       56.53       48.13           UL-RL  4.1367E+04  -3.600       24.00
1.000       1.000       71.77       0.000       0.000     Ug5_2_8_L_0
  20 D   15.37      8.6941E-04   59.65       51.49       59.65       51.59           UL-RL  4.1367E+04  -3.800       25.33
1.000       1.000       76.83       0.000       0.000     Ug5_2_8_L_0
  21 D   16.31      1.1195E-03   62.72       54.87       62.72       54.92           UL-RL  4.1367E+04  -4.000       26.67
1.000       1.000       81.54       0.000       0.000     Ug5_2_8_L_0
  22 D   17.26      1.3486E-03   65.84       58.28       65.84       58.31           UL-RL  4.1367E+04  -4.200       28.00
1.000       1.000       86.28       0.000       0.000     Ug5_2_8_L_0
  23 D   18.15      1.5528E-03   68.91       61.41       68.91       61.43           UL-RL  4.1367E+04  -4.400       29.33
1.000       1.000       90.75       0.000       0.000     Ug5_2_8_L_0
  24 D   18.97      1.7275E-03   72.02       64.19       72.02       64.20           UL-RL  4.1367E+04  -4.600       30.67
1.000       1.000       94.86       0.000       0.000     Ug5_2_8_L_0
  25 D   19.71      1.8676E-03   75.09       66.54       75.09       66.54           UL-RL  4.1367E+04  -4.800       32.00
1.000       1.000       98.54       0.000       0.000     Ug5_2_8_L_0
  26 D   20.38      1.9693E-03   78.16       68.58       78.16       68.58             V-C  1.3789E+04  -5.000       33.33
1.000       1.000       101.9       0.000       0.000     Ug5_2_8_L_0
  27 D   21.22      2.0341E-03   81.05       71.41       81.05       71.41             V-C  1.3789E+04  -5.200       34.67
1.000       1.000       106.1       0.000       0.000     Ug5_2_8_L_0
  28 D   21.92      2.0647E-03   83.95       73.59       83.95       73.59             V-C  1.3789E+04  -5.400       36.00
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1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0						
29 D	22.50	2.0632E-03	86.85	75.17	86.85	75.17	V-C	1.3789E+04	-5.600	37.33	
1.000	1.000	112.5	0.000	0.000	Ug5_2_8_L_0						
30 D	22.97	2.0310E-03	89.76	76.18	89.76	76.18	V-C	1.3789E+04	-5.800	38.67	
1.000	1.000	114.8	0.000	0.000	Ug5_2_8_L_0						
31 D	23.33	1.9687E-03	92.67	76.66	92.67	76.66	V-C	1.3789E+04	-6.000	40.00	
1.000	1.000	116.7	0.000	0.000	Ug5_2_8_L_0						
32 D	23.59	1.8776E-03	95.57	76.64	95.57	76.64	V-C	1.3789E+04	-6.200	41.33	
1.000	1.000	118.0	0.000	0.000	Ug5_2_8_L_0						
33 D	23.78	1.7630E-03	98.48	76.22	98.48	76.22	V-C	1.3789E+04	-6.400	42.67	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
34 D	23.90	1.6307E-03	101.6	75.49	101.6	75.49	V-C	1.3789E+04	-6.600	44.00	
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0						
35 D	23.97	1.4858E-03	104.7	74.53	104.7	74.53	V-C	1.3789E+04	-6.800	45.33	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
36 D	24.02	1.3326E-03	108.3	73.42	108.3	73.42	V-C	1.3789E+04	-7.000	46.67	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
37 D	24.04	1.1751E-03	111.3	72.22	111.3	72.22	V-C	1.3789E+04	-7.200	48.00	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
38 D	24.06	1.0166E-03	114.8	70.99	114.8	70.99	V-C	1.3789E+04	-7.400	49.33	
1.000	1.000	120.3	0.000	0.000	Ug5_2_8_L_0						
39 D	24.09	8.5965E-04	117.8	69.77	117.8	69.77	V-C	1.3789E+04	-7.600	50.67	
1.000	1.000	120.4	0.000	0.000	Ug5_2_8_L_0						
40 D	24.12	7.0658E-04	121.3	68.59	121.3	68.59	V-C	1.3789E+04	-7.800	52.00	
1.000	1.000	120.6	0.000	0.000	Ug5_2_8_L_0						
41 D	24.17	5.5915E-04	124.8	67.50	124.8	67.50	V-C	1.3789E+04	-8.000	53.33	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
42 D	24.23	4.1874E-04	127.7	66.50	127.7	66.50	V-C	1.3789E+04	-8.200	54.67	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
43 D	24.32	2.8631E-04	131.1	65.62	131.1	65.62	V-C	1.3789E+04	-8.400	56.00	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
44 D	24.44	1.6254E-04	134.0	64.86	134.0	64.86	V-C	1.3789E+04	-8.600	57.33	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
45 D	24.58	4.7744E-05	137.4	64.24	137.4	64.24	V-C	1.3789E+04	-8.800	58.67	
1.000	1.000	122.9	0.000	0.000	Ug5_2_8_L_0						
46 D	24.31	-5.7990E-05	140.3	61.55	140.3	64.86	UL-RL	4.1367E+04	-9.000	60.00	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
47 D	24.01	-1.5484E-04	143.6	58.70	143.6	65.75	UL-RL	4.1367E+04	-9.200	61.33	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
48 D	23.78	-2.4316E-04	146.5	56.23	146.5	66.64	UL-RL	4.1367E+04	-9.400	62.67	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
49 D	23.62	-3.2350E-04	149.7	54.12	149.7	67.53	UL-RL	4.1367E+04	-9.600	64.00	
1.000	1.000	118.1	0.000	0.000	Ug5_2_8_L_0						
50 D	23.53	-3.9651E-04	152.6	52.34	152.6	68.42	UL-RL	4.1367E+04	-9.800	65.33	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
51 D	23.51	-4.6292E-04	155.9	50.86	155.9	69.31	UL-RL	4.1367E+04	-10.00	66.67	
1.000	1.000	117.5	0.000	0.000	Ug5_2_8_L_0						
52 D	23.53	-5.2354E-04	158.7	49.64	158.7	70.19	UL-RL	4.1367E+04	-10.20	68.00	
1.000	1.000	117.6	0.000	0.000	Ug5_2_8_L_0						
53 D	23.60	-5.7920E-04	161.9	48.65	161.9	71.08	UL-RL	4.1367E+04	-10.40	69.33	
1.000	1.000	118.0	0.000	0.000	Ug5_2_8_L_0						
54 D	23.70	-6.3072E-04	165.2	47.84	165.2	71.96	UL-RL	4.1367E+04	-10.60	70.67	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
55 D	23.84	-6.7892E-04	168.0	47.18	168.0	72.85	UL-RL	4.1367E+04	-10.80	72.00	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
56 D	23.99	-7.2457E-04	171.2	46.64	171.2	73.73	UL-RL	4.1367E+04	-11.00	73.33	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
57 D	24.17	-7.6836E-04	174.0	46.18	174.0	74.61	UL-RL	4.1367E+04	-11.20	74.67	
1.000	1.000	120.8	0.000	0.000	Ug5_2_8_L_0						
58 D	24.35	-8.1090E-04	177.2	45.77	177.2	75.50	UL-RL	4.1367E+04	-11.40	76.00	
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0						
59 D	24.55	-8.5270E-04	180.0	45.40	180.0	76.38	UL-RL	4.1367E+04	-11.60	77.33	
1.000	1.000	122.7	0.000	0.000	Ug5_2_8_L_0						
60 D	24.85	-8.9416E-04	183.1	45.59	183.1	77.26	ACTIVE	0.000	-11.80	78.67	
1.000	1.000	124.3	0.000	0.000	Ug5_2_8_L_0						
61 D	12.63	-9.3550E-04	185.9	46.29	185.9	78.15	ACTIVE	0.000	-12.00	80.00	
1.000	1.000	126.3	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                         |
 |                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
 |                                 Exe Time :24 May 2018       18:23:40                                                    |
 +-------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --       -0.2000      0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --       -0.4000      0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --       -0.6000      0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --       -0.8000      0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --        -1.000      0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --        -1.200      0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --        -1.400      0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --        -1.600      0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --        -1.800      0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --        -2.000      0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --        -2.200      0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --        -2.400      0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --        -2.600      0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --        -2.800      0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --        -3.000      0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --        -3.200      0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --        -3.400      0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --        -3.600      0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --        -3.800      0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --        -4.000      0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --        -4.200      0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --        -4.400      0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --        -4.600      0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --        -4.800      0.000
1.000       1.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --        -5.000      0.000
1.000       1.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --        -5.200      0.000
1.000       1.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --          REMOVED     --        -5.400      0.000
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1.000	1.000	0.000	0.000	0.000	not available						
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
32 D	0.5997	-1.8776E-03	1.333	0.3320	62.00	50.42	ACTIVE	0.000	-6.200	2.667	
1.000	1.000	2.999	0.000	0.000	Ug5_2_8_L_0						
33 D	1.199	-1.7630E-03	2.667	0.6640	64.00	51.37	ACTIVE	0.000	-6.400	5.333	
1.000	1.000	5.997	0.000	0.000	Ug5_2_8_L_0						
34 D	1.799	-1.6307E-03	4.000	0.9960	66.00	52.31	ACTIVE	0.000	-6.600	8.000	
1.000	1.000	8.996	0.000	0.000	Ug5_2_8_L_0						
35 D	2.399	-1.4858E-03	5.333	1.328	68.00	53.23	ACTIVE	0.000	-6.800	10.67	
1.000	1.000	11.99	0.000	0.000	Ug5_2_8_L_0						
36 D	4.369	-1.3326E-03	6.667	8.513	70.00	54.14	UL-RL	2.0566E+04	-7.000	13.33	
1.000	1.000	21.85	0.000	0.000	Ug5_2_8_L_0						
37 D	5.792	-1.1751E-03	8.000	12.96	72.00	55.05	UL-RL	2.0566E+04	-7.200	16.00	
1.000	1.000	28.96	0.000	0.000	Ug5_2_8_L_0						
38 D	7.210	-1.0166E-03	9.333	17.38	74.00	55.95	UL-RL	2.0566E+04	-7.400	18.67	
1.000	1.000	36.05	0.000	0.000	Ug5_2_8_L_0						
39 D	8.611	-8.5965E-04	10.67	21.72	76.00	56.83	UL-RL	2.0566E+04	-7.600	21.33	
1.000	1.000	43.05	0.000	0.000	Ug5_2_8_L_0						
40 D	9.988	-7.0658E-04	12.00	25.94	78.00	57.72	UL-RL	2.0566E+04	-7.800	24.00	
1.000	1.000	49.94	0.000	0.000	Ug5_2_8_L_0						
41 D	11.33	-5.5915E-04	13.33	30.00	80.00	58.59	UL-RL	2.0566E+04	-8.000	26.67	
1.000	1.000	56.66	0.000	0.000	Ug5_2_8_L_0						
42 D	12.64	-4.1874E-04	14.67	33.87	82.00	59.46	UL-RL	2.0566E+04	-8.200	29.33	
1.000	1.000	63.20	0.000	0.000	Ug5_2_8_L_0						
43 D	13.91	-2.8631E-04	16.00	37.54	84.00	60.33	UL-RL	2.0566E+04	-8.400	32.00	
1.000	1.000	69.54	0.000	0.000	Ug5_2_8_L_0						
44 D	15.13	-1.6254E-04	17.33	41.00	86.00	61.19	UL-RL	2.0566E+04	-8.600	34.67	
1.000	1.000	75.66	0.000	0.000	Ug5_2_8_L_0						
45 D	16.31	-4.7744E-05	18.67	44.23	88.00	62.05	UL-RL	2.0566E+04	-8.800	37.33	
1.000	1.000	81.56	0.000	0.000	Ug5_2_8_L_0						
46 D	17.45	5.7990E-05	20.00	47.24	90.00	62.90	UL-RL	2.0566E+04	-9.000	40.00	
1.000	1.000	87.24	0.000	0.000	Ug5_2_8_L_0						
47 D	18.54	1.5484E-04	21.33	50.04	92.00	63.75	UL-RL	2.0566E+04	-9.200	42.67	
1.000	1.000	92.70	0.000	0.000	Ug5_2_8_L_0						
48 D	19.59	2.4316E-04	22.67	52.63	94.00	64.60	UL-RL	2.0566E+04	-9.400	45.33	
1.000	1.000	97.96	0.000	0.000	Ug5_2_8_L_0						
49 D	20.61	3.2350E-04	24.00	55.03	96.00	65.45	UL-RL	2.0566E+04	-9.600	48.00	
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0						
50 D	21.59	3.9651E-04	25.33	57.26	98.00	66.29	UL-RL	2.0566E+04	-9.800	50.67	
1.000	1.000	107.9	0.000	0.000	Ug5_2_8_L_0						
51 D	22.53	4.6292E-04	26.67	59.33	100.00	67.13	UL-RL	2.0566E+04	-10.00	53.33	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
52 D	23.45	5.2354E-04	28.00	61.26	102.0	67.98	UL-RL	2.0566E+04	-10.20	56.00	
1.000	1.000	117.3	0.000	0.000	Ug5_2_8_L_0						
53 D	24.35	5.7920E-04	29.33	63.08	104.0	68.82	UL-RL	2.0566E+04	-10.40	58.67	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
54 D	25.23	6.3072E-04	30.67	64.80	106.0	69.66	UL-RL	2.0566E+04	-10.60	61.33	
1.000	1.000	126.1	0.000	0.000	Ug5_2_8_L_0						
55 D	26.09	6.7892E-04	32.00	66.43	108.0	70.50	UL-RL	2.0566E+04	-10.80	64.00	
1.000	1.000	130.4	0.000	0.000	Ug5_2_8_L_0						
56 D	26.94	7.2457E-04	33.33	68.01	110.0	71.34	UL-RL	2.0566E+04	-11.00	66.67	
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
57 D	27.77	7.6836E-04	34.67	69.54	112.0	72.18	UL-RL	2.0566E+04	-11.20	69.33	
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0						
58 D	28.61	8.1090E-04	36.00	71.04	114.0	73.02	UL-RL	2.0566E+04	-11.40	72.00	
1.000	1.000	143.0	0.000	0.000	Ug5_2_8_L_0						
59 D	29.44	8.5270E-04	37.33	72.52	116.0	73.86	UL-RL	2.0566E+04	-11.60	74.67	
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
60 D	30.26	8.9416E-04	38.67	73.99	118.0	74.70	UL-RL	2.0566E+04	-11.80	77.33	
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
61 D	15.55	9.3550E-04	40.00	75.45	120.0	75.54	UL-RL	2.0566E+04	-12.00	80.00	
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0						

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.Nominal_63                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-2.30749E-11 2.30749E-11-2.11176E-12 2.02831E-11
    2 0.41233    -0.41233    -1.18394E-11 8.24652E-02
    3  1.2516     -1.2516    -8.24652E-02 0.33279
    4  2.5256     -2.5256    -0.33279     0.83790
    5  4.2494     -4.2494    -0.83790      1.6878
    6  6.4231     -6.4231     -1.6878      2.9724
    7  9.0257     -9.0257     -2.9724      4.7775
    8  12.053     -12.053     -4.7775      7.1881
    9  15.509     -15.509     -7.1881      10.290
   10  19.385     -19.385     -10.290      14.167
   11  23.686     -23.686     -14.167      18.904
   12  28.477     -28.477     -18.904      24.600
   13  35.100     -35.100     -24.600      31.620
   14  43.815     -43.815     -31.620      40.383
   15  53.852     -53.852     -40.383      51.153
   16  65.001     -65.001     -51.153      64.153
   17  77.243     -77.243     -64.153      79.602
   18  90.555     -90.555     -79.602      97.713
   19  104.91     -104.91     -97.713      118.70
   20  120.28     -120.28     -118.70      142.75
   21  136.59     -136.59     -142.75      170.07
   22  153.85     -153.85     -170.07      200.84
   23  172.00     -172.00     -200.84      235.24
   24  190.97     -190.97     -235.24      273.43
   25 -111.32      111.32     -273.43      251.17
   26 -90.935      90.935     -251.17      232.98
   27 -69.719      69.719     -232.98      219.04
   28 -47.801      47.801     -219.04      209.48
   29 -25.300      25.300     -209.48      204.42
   30 -2.3311      2.3311     -204.42      203.95
   31 -220.00      220.00     -203.95      159.95
   32 -197.00      197.00     -159.95      120.55
   33 -174.43      174.43     -120.55      85.666
   34 -152.33      152.33     -85.666      55.201
   35 -130.76      130.76     -55.201      29.050
   36 -111.11      111.11     -29.050      6.8281
   37 -92.856      92.856     -6.8281     -11.743
   38 -76.002      76.002      11.743     -26.943
   39 -60.526      60.526      26.943     -39.049
   40 -46.395      46.395      39.049     -48.328
   41 -33.562      33.562      48.328     -55.040
   42 -21.970      21.970      55.040     -59.434
   43 -11.555      11.555      59.434     -61.745
   44 -2.2480      2.2480      61.745     -62.195
   45  6.0214     -6.0214      62.195     -60.991
   46  12.884     -12.884      60.991     -58.414
   47  18.349     -18.349      58.414     -54.744
   48  22.535     -22.535      54.744     -50.237
   49  25.552     -25.552      50.237     -45.127
   50  27.501     -27.501      45.127     -39.626
   51  28.474     -28.474      39.626     -33.932
   52  28.550     -28.550      33.932     -28.222
   53  27.797     -27.797      28.222     -22.662
   54  26.272     -26.272      22.662     -17.408
   55  24.021     -24.021      17.408     -12.604
   56  21.080     -21.080      12.604     -8.3878
   57  17.474     -17.474      8.3878     -4.8931
   58  13.220     -13.220      4.8931     -2.2491
   59  8.3290     -8.3290      2.2491    -0.58331
```

60	2.9164	-2.9164	0.58331	2.76070E-12

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.Nominal_63                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+


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

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.05 [sec]
DATABASE  CREATION CPU TIME.....    0.22 [sec]
```

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.A1M1R1_1757
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.02 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   86
NO. OF LONG NAMES (LASTNAME) ..................   20
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     86

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5.5E+04 1.65E+05
   15 : ENDL
   16 : MATERIAL S355_114 2.1E+08
   17 : BEAM WallElement_33 LeftWall_32 -12 0 S355_114 0.25 00 00 0
   18 : STRIP LeftWall_32 1 7 5 13 0 62 45
   19 : STRIP LeftWall_32 1 7 18 17 0 45 45
   20 : STRIP LeftWall_32 1 7 0.5 4.5 0 11.54 45
   21 : STEP Stage1_31
   22 : CHANGE Ug5_2_8_L_0 U-FRICT=37 LeftWall_32
   23 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   24 : CHANGE Ug5_2_8_L_0 U-KA=0.249 LeftWall_32
   25 : CHANGE Ug5_2_8_L_0 U-KP=6.738 LeftWall_32
   26 : CHANGE Ug5_2_8_L_0 D-KA=0.249 LeftWall_32
   27 : CHANGE Ug5_2_8_L_0 D-KP=6.738 LeftWall_32
   28 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   30 : SETWALL LeftWall_32
   31 : GEOM 0 0
   32 : WATER 0 0 -12 0 0
   33 : ADD WallElement_33
   34 : ENDSTEP
   35 : STEP Stage2_158
   36 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   37 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   38 : SETWALL LeftWall_32
   39 : GEOM 0 -1
   40 : WATER 0 1 -12 0 0
   41 : ENDSTEP
   42 : STEP Stage3_255
   43 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   44 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   45 : SETWALL LeftWall_32
   46 : GEOM 0 -2
   47 : WATER 0 2 -12 0 0
   48 : ENDSTEP
   49 : STEP Stage4_352
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   51 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   52 : SETWALL LeftWall_32
   53 : GEOM 0 -3
   54 : WATER 0 3 -12 0 0
   55 : LOAD step LeftWall_32 -2.7 1 -20
   56 : LOAD step LeftWall_32 -3 1 -72
   57 : ENDSTEP
   58 : STEP Stage5_449
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
   60 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   61 : SETWALL LeftWall_32
   62 : GEOM 0 -4
   63 : SURCHARGE 0 0 0 -4
   64 : WATER 0 4 -12 0 0
   65 : LOAD step LeftWall_32 -4 1 -80.5
   66 : LOAD step LeftWall_32 -3.3 1 -105
   67 : ENDSTEP
   68 : STEP Stage6_546
```

```
69 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
71 : SETWALL LeftWall_32
72 : GEOM 0 -5
73 : SURCHARGE 0 0 0 0
74 : WATER 0 5 -12 0 0
75 : LOAD step LeftWall_32 -5 1 -45.2
76 : LOAD step LeftWall_32 -4 1 -181
77 : ENDSTEP
78 : STEP Stage7_643
79 : CHANGE Ug5_2_8_L_0 D-FRICT=37 LeftWall_32
80 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
81 : SETWALL LeftWall_32
82 : GEOM 0 -6
83 : WATER 0 6 -12 0 0
84 : LOAD constant LeftWall_32 -6 1 -241
85 : LOAD constant LeftWall_32 -4.7 1 -322
86 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
|                                 Exe Time :24 May 2018       18:23:40                                                          |
+-------------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/	2	0.0000	-0.20000	/	3	0.0000	-0.40000	/	4	0.0000	-0.60000	/
5	0.0000	-0.80000	/	6	0.0000	-1.0000	/	7	0.0000	-1.2000	/	8	0.0000	-1.4000	/
9	0.0000	-1.6000	/	10	0.0000	-1.8000	/	11	0.0000	-2.0000	/	12	0.0000	-2.2000	/
13	0.0000	-2.4000	/	14	0.0000	-2.6000	/	15	0.0000	-2.8000	/	16	0.0000	-3.0000	/
17	0.0000	-3.2000	/	18	0.0000	-3.4000	/	19	0.0000	-3.6000	/	20	0.0000	-3.8000	/
21	0.0000	-4.0000	/	22	0.0000	-4.2000	/	23	0.0000	-4.4000	/	24	0.0000	-4.6000	/
25	0.0000	-4.8000	/	26	0.0000	-5.0000	/	27	0.0000	-5.2000	/	28	0.0000	-5.4000	/
29	0.0000	-5.6000	/	30	0.0000	-5.8000	/	31	0.0000	-6.0000	/	32	0.0000	-6.2000	/
33	0.0000	-6.4000	/	34	0.0000	-6.6000	/	35	0.0000	-6.8000	/	36	0.0000	-7.0000	/
37	0.0000	-7.2000	/	38	0.0000	-7.4000	/	39	0.0000	-7.6000	/	40	0.0000	-7.8000	/
41	0.0000	-8.0000	/	42	0.0000	-8.2000	/	43	0.0000	-8.4000	/	44	0.0000	-8.6000	/
45	0.0000	-8.8000	/	46	0.0000	-9.0000	/	47	0.0000	-9.2000	/	48	0.0000	-9.4000	/
49	0.0000	-9.6000	/	50	0.0000	-9.8000	/	51	0.0000	-10.000	/	52	0.0000	-10.200	/
53	0.0000	-10.400	/	54	0.0000	-10.600	/	55	0.0000	-10.800	/	56	0.0000	-11.000	/
57	0.0000	-11.200	/	58	0.0000	-11.400	/	59	0.0000	-11.600	/	60	0.0000	-11.800	/
61	0.0000	-12.000	/												

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
   36   36    1   0.2000     0.000     0.000     0.000     1.000
   37   37    1   0.2000     0.000     0.000     0.000     1.000
   38   38    1   0.2000     0.000     0.000     0.000     1.000
   39   39    1   0.2000     0.000     0.000     0.000     1.000
   40   40    1   0.2000     0.000     0.000     0.000     1.000
   41   41    1   0.2000     0.000     0.000     0.000     1.000
```

42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.1000	0.000	0.000	0.000	1.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     2.000
    2    2    1   0.2000     0.000     0.000     0.000     2.000
    3    3    1   0.2000     0.000     0.000     0.000     2.000
    4    4    1   0.2000     0.000     0.000     0.000     2.000
    5    5    1   0.2000     0.000     0.000     0.000     2.000
    6    6    1   0.2000     0.000     0.000     0.000     2.000
    7    7    1   0.2000     0.000     0.000     0.000     2.000
    8    8    1   0.2000     0.000     0.000     0.000     2.000
    9    9    1   0.2000     0.000     0.000     0.000     2.000
   10   10    1   0.2000     0.000     0.000     0.000     2.000
   11   11    1   0.2000     0.000     0.000     0.000     2.000
   12   12    1   0.2000     0.000     0.000     0.000     2.000
   13   13    1   0.2000     0.000     0.000     0.000     2.000
   14   14    1   0.2000     0.000     0.000     0.000     2.000
   15   15    1   0.2000     0.000     0.000     0.000     2.000
   16   16    1   0.2000     0.000     0.000     0.000     2.000
   17   17    1   0.2000     0.000     0.000     0.000     2.000
   18   18    1   0.2000     0.000     0.000     0.000     2.000
   19   19    1   0.2000     0.000     0.000     0.000     2.000
   20   20    1   0.2000     0.000     0.000     0.000     2.000
   21   21    1   0.2000     0.000     0.000     0.000     2.000
   22   22    1   0.2000     0.000     0.000     0.000     2.000
   23   23    1   0.2000     0.000     0.000     0.000     2.000
   24   24    1   0.2000     0.000     0.000     0.000     2.000
   25   25    1   0.2000     0.000     0.000     0.000     2.000
   26   26    1   0.2000     0.000     0.000     0.000     2.000
   27   27    1   0.2000     0.000     0.000     0.000     2.000
   28   28    1   0.2000     0.000     0.000     0.000     2.000
   29   29    1   0.2000     0.000     0.000     0.000     2.000
   30   30    1   0.2000     0.000     0.000     0.000     2.000
   31   31    1   0.2000     0.000     0.000     0.000     2.000
   32   32    1   0.2000     0.000     0.000     0.000     2.000
   33   33    1   0.2000     0.000     0.000     0.000     2.000
   34   34    1   0.2000     0.000     0.000     0.000     2.000
   35   35    1   0.2000     0.000     0.000     0.000     2.000
   36   36    1   0.2000     0.000     0.000     0.000     2.000
   37   37    1   0.2000     0.000     0.000     0.000     2.000
   38   38    1   0.2000     0.000     0.000     0.000     2.000
   39   39    1   0.2000     0.000     0.000     0.000     2.000
   40   40    1   0.2000     0.000     0.000     0.000     2.000
   41   41    1   0.2000     0.000     0.000     0.000     2.000
```

42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ..... 0.00000

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.2500     0.000     0.000
    2    2    3    1    0.000     0.000    0.2500     0.000     0.000
    3    3    4    1    0.000     0.000    0.2500     0.000     0.000
    4    4    5    1    0.000     0.000    0.2500     0.000     0.000
    5    5    6    1    0.000     0.000    0.2500     0.000     0.000
    6    6    7    1    0.000     0.000    0.2500     0.000     0.000
    7    7    8    1    0.000     0.000    0.2500     0.000     0.000
    8    8    9    1    0.000     0.000    0.2500     0.000     0.000
    9    9   10    1    0.000     0.000    0.2500     0.000     0.000
   10   10   11    1    0.000     0.000    0.2500     0.000     0.000
   11   11   12    1    0.000     0.000    0.2500     0.000     0.000
   12   12   13    1    0.000     0.000    0.2500     0.000     0.000
   13   13   14    1    0.000     0.000    0.2500     0.000     0.000
   14   14   15    1    0.000     0.000    0.2500     0.000     0.000
   15   15   16    1    0.000     0.000    0.2500     0.000     0.000
   16   16   17    1    0.000     0.000    0.2500     0.000     0.000
   17   17   18    1    0.000     0.000    0.2500     0.000     0.000
   18   18   19    1    0.000     0.000    0.2500     0.000     0.000
   19   19   20    1    0.000     0.000    0.2500     0.000     0.000
   20   20   21    1    0.000     0.000    0.2500     0.000     0.000
   21   21   22    1    0.000     0.000    0.2500     0.000     0.000
   22   22   23    1    0.000     0.000    0.2500     0.000     0.000
   23   23   24    1    0.000     0.000    0.2500     0.000     0.000
   24   24   25    1    0.000     0.000    0.2500     0.000     0.000
   25   25   26    1    0.000     0.000    0.2500     0.000     0.000
   26   26   27    1    0.000     0.000    0.2500     0.000     0.000
   27   27   28    1    0.000     0.000    0.2500     0.000     0.000
   28   28   29    1    0.000     0.000    0.2500     0.000     0.000
```

29	29	30	1	0.000	0.000	0.2500	0.000	0.000
30	30	31	1	0.000	0.000	0.2500	0.000	0.000
31	31	32	1	0.000	0.000	0.2500	0.000	0.000
32	32	33	1	0.000	0.000	0.2500	0.000	0.000
33	33	34	1	0.000	0.000	0.2500	0.000	0.000
34	34	35	1	0.000	0.000	0.2500	0.000	0.000
35	35	36	1	0.000	0.000	0.2500	0.000	0.000
36	36	37	1	0.000	0.000	0.2500	0.000	0.000
37	37	38	1	0.000	0.000	0.2500	0.000	0.000
38	38	39	1	0.000	0.000	0.2500	0.000	0.000
39	39	40	1	0.000	0.000	0.2500	0.000	0.000
40	40	41	1	0.000	0.000	0.2500	0.000	0.000
41	41	42	1	0.000	0.000	0.2500	0.000	0.000
42	42	43	1	0.000	0.000	0.2500	0.000	0.000
43	43	44	1	0.000	0.000	0.2500	0.000	0.000
44	44	45	1	0.000	0.000	0.2500	0.000	0.000
45	45	46	1	0.000	0.000	0.2500	0.000	0.000
46	46	47	1	0.000	0.000	0.2500	0.000	0.000
47	47	48	1	0.000	0.000	0.2500	0.000	0.000
48	48	49	1	0.000	0.000	0.2500	0.000	0.000
49	49	50	1	0.000	0.000	0.2500	0.000	0.000
50	50	51	1	0.000	0.000	0.2500	0.000	0.000
51	51	52	1	0.000	0.000	0.2500	0.000	0.000
52	52	53	1	0.000	0.000	0.2500	0.000	0.000
53	53	54	1	0.000	0.000	0.2500	0.000	0.000
54	54	55	1	0.000	0.000	0.2500	0.000	0.000
55	55	56	1	0.000	0.000	0.2500	0.000	0.000
56	56	57	1	0.000	0.000	0.2500	0.000	0.000
57	57	58	1	0.000	0.000	0.2500	0.000	0.000
58	58	59	1	0.000	0.000	0.2500	0.000	0.000
59	59	60	1	0.000	0.000	0.2500	0.000	0.000
60	60	61	1	0.000	0.000	0.2500	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    8
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01



 CONCENTRATED LOADS

    NODE    DIRECTION    LOAD CURVE   LOAD CURVE MULTIPL
     14          1             4         -0.2000E+02
     16          1             4         -0.7200E+02
     21          1             5         -0.8050E+02
     17          1             5         -0.1050E+03
     26          1             6         -0.4520E+02
     21          1             6         -0.1810E+03
     31          1            14         -0.2410E+03
     25          1            14         -0.3220E+03


NO. OF DISTRIBUTED LOAD CARDS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -92.000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -185.50000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -226.20000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -563.00000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    1
NO. OF DATA PER LAYER.......................  100
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
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ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
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ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  10<U-KA    >= 0.24900     WALL NO.        1
ITEM NO.  11<U-KP    >=  6.7380     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  37.000     (BOTH WALLS)
ITEM NO.  60<D-KA    >= 0.24900     WALL NO.        1
ITEM NO.  61<D-KP    >=  6.7380     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     7 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
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SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-4.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	5.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	6.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -12.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -12.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                 Exe Time :24 May 2018       18:23:40                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             3


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           5.00000000000000
 FOUNDATION WIDTH    (B)            13.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      62.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


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

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           18.0000000000000
 FOUNDATION WIDTH    (B)            17.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      45.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    3
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                              1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.500000000000000
 FOUNDATION WIDTH    (B)            4.50000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      11.5400000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3123

 NO. OF D.P.W  FOR THIS AREA       7200
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6773E+05 RIMNOR= 0.000
           RENORM=0.1672E-27 REMNOR= 0.000     RATIO =0.4969E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6773E+05 RDR   = 0.000
           RATIOT=0.4969E-16 RATIOR= 0.000
           MAX UN=0.3553E-14 IEQ=    91 NODE     46 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   115 NODE     58 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6773E+05 RIMNOR= 0.000
           RENORM=0.2189E-28 REMNOR=0.8614E-53 RATIO =0.1798E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6773E+05 RDR   = 0.000
           RATIOT=0.1798E-16 RATIOR= 0.000
           MAX UN=0.2142E-15 IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.2139E-14 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6773E+05 RIMNOR= 0.000
           RENORM=0.1879E-28 REMNOR=0.4985E-53 RATIO =0.1666E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.54     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6773E+05 RDR   = 0.000
           RATIOT=0.1666E-16 RATIOR= 0.000
           MAX UN=0.2150E-15 IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           MIN UN=-.1815E-14 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      2.5825E-21   0.000       0.000       0.000       0.000            V-C  6.8946E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.333      2.7530E-21   2.132       4.664       2.132       4.664            V-C  6.8946E+04 -0.2000       2.000
1.000       1.000       6.664       0.000       0.000     Ug5_2_8_L_0
   3 D   2.452      2.9226E-21   4.692       8.262       4.692       8.262            V-C  6.8946E+04 -0.4000       4.000
1.000       1.000       12.26       0.000       0.000     Ug5_2_8_L_0
   4 D   3.398      3.0890E-21   7.429       10.99       7.429       10.99            V-C  6.8946E+04 -0.6000       6.000
1.000       1.000       16.99       0.000       0.000     Ug5_2_8_L_0
   5 D   4.258      3.2489E-21   10.52       13.29       10.52       13.29            V-C  6.8946E+04 -0.8000       8.000
1.000       1.000       21.29       0.000       0.000     Ug5_2_8_L_0
   6 D   5.076      3.3973E-21   13.60       15.38       13.60       15.38            V-C  6.8946E+04  -1.000       10.00
1.000       1.000       25.38       0.000       0.000     Ug5_2_8_L_0
   7 D   5.870      3.5279E-21   16.20       17.35       16.20       17.35            V-C  6.8946E+04  -1.200       12.00
1.000       1.000       29.35       0.000       0.000     Ug5_2_8_L_0
   8 D   6.649      3.6332E-21   18.69       19.25       18.69       19.25            V-C  6.8946E+04  -1.400       14.00
1.000       1.000       33.25       0.000       0.000     Ug5_2_8_L_0
   9 D   7.415      3.7046E-21   21.29       21.08       21.29       21.08            V-C  6.8946E+04  -1.600       16.00
1.000       1.000       37.08       0.000       0.000     Ug5_2_8_L_0
  10 D   8.169      3.7319E-21   23.67       22.85       23.67       22.85            V-C  6.8946E+04  -1.800       18.00
1.000       1.000       40.85       0.000       0.000     Ug5_2_8_L_0
  11 D   8.912      3.7042E-21   26.17       24.56       26.17       24.56            V-C  6.8946E+04  -2.000       20.00
1.000       1.000       44.56       0.000       0.000     Ug5_2_8_L_0
  12 D   9.643      3.6093E-21   28.52       26.22       28.52       26.22            V-C  6.8946E+04  -2.200       22.00
1.000       1.000       48.22       0.000       0.000     Ug5_2_8_L_0
  13 D   10.36      3.4340E-21   30.98       27.82       30.98       27.82            V-C  6.8946E+04  -2.400       24.00
1.000       1.000       51.82       0.000       0.000     Ug5_2_8_L_0
  14 D   11.07      3.1647E-21   33.34       29.37       33.34       29.37            V-C  6.8946E+04  -2.600       26.00
1.000       1.000       55.37       0.000       0.000     Ug5_2_8_L_0
  15 D   11.77      2.7867E-21   35.80       30.86       35.80       30.86            V-C  6.8946E+04  -2.800       28.00
1.000       1.000       58.86       0.000       0.000     Ug5_2_8_L_0
  16 D   12.46      2.2852E-21   38.16       32.31       38.16       32.31            V-C  6.8946E+04  -3.000       30.00
1.000       1.000       62.31       0.000       0.000     Ug5_2_8_L_0
  17 D   13.14      1.6450E-21   40.62       33.71       40.62       33.71            V-C  6.8946E+04  -3.200       32.00
1.000       1.000       65.71       0.000       0.000     Ug5_2_8_L_0
  18 D   13.81      8.5105E-22   43.01       35.06       43.01       35.06            V-C  6.8946E+04  -3.400       34.00
1.000       1.000       69.06       0.000       0.000     Ug5_2_8_L_0
  19 D   14.47     -1.1154E-22   45.40       36.37       45.40       36.37            V-C  6.8946E+04  -3.600       36.00
1.000       1.000       72.37       0.000       0.000     Ug5_2_8_L_0
  20 D   15.13     -1.2569E-21   47.87       37.63       47.87       37.63            V-C  6.8946E+04  -3.800       38.00
1.000       1.000       75.63       0.000       0.000     Ug5_2_8_L_0
  21 D   15.77     -2.5980E-21   50.27       38.86       50.27       38.86            V-C  6.8946E+04  -4.000       40.00
1.000       1.000       78.86       0.000       0.000     Ug5_2_8_L_0
  22 D   16.41     -4.1381E-21   52.73       40.06       52.73       40.06            V-C  6.8946E+04  -4.200       42.00
1.000       1.000       82.06       0.000       0.000     Ug5_2_8_L_0
  23 D   17.04     -5.8437E-21   55.14       41.21       55.14       41.21            V-C  6.8946E+04  -4.400       44.00
1.000       1.000       85.21       0.000       0.000     Ug5_2_8_L_0
  24 D   17.67     -7.6705E-21   57.60       42.34       57.60       42.34            V-C  6.8946E+04  -4.600       46.00
1.000       1.000       88.34       0.000       0.000     Ug5_2_8_L_0
  25 D   18.29     -9.5714E-21   60.01       43.44       60.01       43.44            V-C  6.8946E+04  -4.800       48.00
1.000       1.000       91.44       0.000       0.000     Ug5_2_8_L_0
  26 D   18.90     -1.1496E-20   62.41       44.51       62.41       44.51            V-C  6.8946E+04  -5.000       50.00
1.000       1.000       94.51       0.000       0.000     Ug5_2_8_L_0
  27 D   19.51     -1.3391E-20   64.61       45.56       64.61       45.56            V-C  6.8946E+04  -5.200       52.00
1.000       1.000       97.56       0.000       0.000     Ug5_2_8_L_0
  28 D   20.12     -1.5198E-20   66.82       46.59       66.82       46.59            V-C  6.8946E+04  -5.400       54.00
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1.000      1.000      100.6      0.000      0.000    Ug5_2_8_L_0
  29 D   20.72    -1.6855E-20   69.03      47.60      69.03       47.60          V-C  6.8946E+04  -5.600      56.00
1.000      1.000      103.6      0.000      0.000    Ug5_2_8_L_0
  30 D   21.32    -1.8294E-20   71.25      48.59      71.25       48.59          V-C  6.8946E+04  -5.800      58.00
1.000      1.000      106.6      0.000      0.000    Ug5_2_8_L_0
  31 D   21.91    -1.9441E-20   73.47      49.56      73.47       49.56          V-C  6.8946E+04  -6.000      60.00
1.000      1.000      109.6      0.000      0.000    Ug5_2_8_L_0
  32 D   22.50    -2.0236E-20   75.70      50.51      75.70       50.51          V-C  6.8946E+04  -6.200      62.00
1.000      1.000      112.5      0.000      0.000    Ug5_2_8_L_0
  33 D   23.09    -2.0682E-20   77.92      51.46      77.92       51.46          V-C  6.8946E+04  -6.400      64.00
1.000      1.000      115.5      0.000      0.000    Ug5_2_8_L_0
  34 D   23.68    -2.0790E-20   80.38      52.39      80.38       52.39          V-C  6.8946E+04  -6.600      66.00
1.000      1.000      118.4      0.000      0.000    Ug5_2_8_L_0
  35 D   24.26    -2.0568E-20   82.75      53.31      82.75       53.31          V-C  6.8946E+04  -6.800      68.00
1.000      1.000      121.3      0.000      0.000    Ug5_2_8_L_0
  36 D   24.84    -2.0016E-20   85.67      54.22      85.67       54.22          V-C  6.8946E+04  -7.000      70.00
1.000      1.000      124.2      0.000      0.000    Ug5_2_8_L_0
  37 D   25.42    -1.9130E-20   88.00      55.12      88.00       55.12          V-C  6.8946E+04  -7.200      72.00
1.000      1.000      127.1      0.000      0.000    Ug5_2_8_L_0
  38 D   26.00    -1.7897E-20   90.86      56.01      90.86       56.01          V-C  6.8946E+04  -7.400      74.00
1.000      1.000      130.0      0.000      0.000    Ug5_2_8_L_0
  39 D   26.58    -1.6300E-20   93.16      56.89      93.16       56.89          V-C  6.8946E+04  -7.600      76.00
1.000      1.000      132.9      0.000      0.000    Ug5_2_8_L_0
  40 D   27.15    -1.4319E-20   95.97      57.77      95.97       57.77          V-C  6.8946E+04  -7.800      78.00
1.000      1.000      135.8      0.000      0.000    Ug5_2_8_L_0
  41 D   27.73    -1.1908E-20   98.74      58.64      98.74       58.64          V-C  6.8946E+04  -8.000      80.00
1.000      1.000      138.6      0.000      0.000    Ug5_2_8_L_0
  42 D   28.30    -8.9515E-21   101.0      59.51      101.0       59.51          V-C  6.8946E+04  -8.200      82.00
1.000      1.000      141.5      0.000      0.000    Ug5_2_8_L_0
  43 D   28.87    -5.3138E-21   103.7      60.37      103.7       60.37          V-C  6.8946E+04  -8.400      84.00
1.000      1.000      144.4      0.000      0.000    Ug5_2_8_L_0
  44 D   29.45    -8.5722E-22   105.9      61.23      105.9       61.23          V-C  6.8946E+04  -8.600      86.00
1.000      1.000      147.2      0.000      0.000    Ug5_2_8_L_0
  45 D   30.02     4.5550E-21   108.6      62.09      108.6       62.09          V-C  6.8946E+04  -8.800      88.00
1.000      1.000      150.1      0.000      0.000    Ug5_2_8_L_0
  46 D   30.59     1.1040E-20   110.8      62.94      110.8       62.94          V-C  6.8946E+04  -9.000      90.00
1.000      1.000      152.9      0.000      0.000    Ug5_2_8_L_0
  47 D   31.16     1.8626E-20   113.5      63.79      113.5       63.79          V-C  6.8946E+04  -9.200      92.00
1.000      1.000      155.8      0.000      0.000    Ug5_2_8_L_0
  48 D   31.73     2.7247E-20   115.7      64.64      115.7       64.64          V-C  6.8946E+04  -9.400      94.00
1.000      1.000      158.6      0.000      0.000    Ug5_2_8_L_0
  49 D   32.30     3.6828E-20   118.3      65.48      118.3       65.48          V-C  6.8946E+04  -9.600      96.00
1.000      1.000      161.5      0.000      0.000    Ug5_2_8_L_0
  50 D   32.86     4.7355E-20   120.5      66.32      120.5       66.32          V-C  6.8946E+04  -9.800      98.00
1.000      1.000      164.3      0.000      0.000    Ug5_2_8_L_0
  51 D   33.43     5.8816E-20   123.1      67.17      123.1       67.17          V-C  6.8946E+04  -10.00     100.00
1.000      1.000      167.2      0.000      0.000    Ug5_2_8_L_0
  52 D   34.00     7.1182E-20   125.2      68.01      125.2       68.01          V-C  6.8946E+04  -10.20      102.0
1.000      1.000      170.0      0.000      0.000    Ug5_2_8_L_0
  53 D   34.57     8.4404E-20   127.8      68.85      127.8       68.85          V-C  6.8946E+04  -10.40      104.0
1.000      1.000      172.8      0.000      0.000    Ug5_2_8_L_0
  54 D   35.14     9.8412E-20   130.3      69.69      130.3       69.69          V-C  6.8946E+04  -10.60      106.0
1.000      1.000      175.7      0.000      0.000    Ug5_2_8_L_0
  55 D   35.70     1.1311E-19   132.5      70.52      132.5       70.52          V-C  6.8946E+04  -10.80      108.0
1.000      1.000      178.5      0.000      0.000    Ug5_2_8_L_0
  56 D   36.27     1.2837E-19   135.0      71.36      135.0       71.36          V-C  6.8946E+04  -11.00      110.0
1.000      1.000      181.4      0.000      0.000    Ug5_2_8_L_0
  57 D   36.84     1.4402E-19   137.2      72.20      137.2       72.20          V-C  6.8946E+04  -11.20      112.0
1.000      1.000      184.2      0.000      0.000    Ug5_2_8_L_0
  58 D   37.41     1.5988E-19   139.6      73.04      139.6       73.04          V-C  6.8946E+04  -11.40      114.0
1.000      1.000      187.0      0.000      0.000    Ug5_2_8_L_0
  59 D   37.98     1.7573E-19   141.8      73.88      141.8       73.88          V-C  6.8946E+04  -11.60      116.0
1.000      1.000      189.9      0.000      0.000    Ug5_2_8_L_0
  60 D   38.54     1.9149E-19   144.3      74.72      144.3       74.72          V-C  6.8946E+04  -11.80      118.0
1.000      1.000      192.7      0.000      0.000    Ug5_2_8_L_0
  61 D   19.56     2.0722E-19   146.4      75.56      146.4       75.56          V-C  6.8946E+04  -12.00      120.0
1.000      1.000      195.6      0.000      0.000    Ug5_2_8_L_0
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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -2.5825E-21   0.000       0.000       0.000       0.000            V-C  3.4277E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.333     -2.7530E-21   2.000       4.664       2.000       4.664            V-C  3.4277E+04 -0.2000       2.000
1.000       1.000       6.664       0.000       0.000     Ug5_2_8_L_0
   3 D   2.452     -2.9226E-21   4.000       8.262       4.000       8.262            V-C  3.4277E+04 -0.4000       4.000
1.000       1.000       12.26       0.000       0.000     Ug5_2_8_L_0
   4 D   3.398     -3.0890E-21   6.000       10.99       6.000       10.99            V-C  3.4277E+04 -0.6000       6.000
1.000       1.000       16.99       0.000       0.000     Ug5_2_8_L_0
   5 D   4.258     -3.2489E-21   8.000       13.29       8.000       13.29            V-C  3.4277E+04 -0.8000       8.000
1.000       1.000       21.29       0.000       0.000     Ug5_2_8_L_0
   6 D   5.076     -3.3973E-21   10.00       15.38       10.00       15.38            V-C  3.4277E+04  -1.000       10.00
1.000       1.000       25.38       0.000       0.000     Ug5_2_8_L_0
   7 D   5.870     -3.5279E-21   12.00       17.35       12.00       17.35            V-C  3.4277E+04  -1.200       12.00
1.000       1.000       29.35       0.000       0.000     Ug5_2_8_L_0
   8 D   6.649     -3.6332E-21   14.00       19.25       14.00       19.25            V-C  3.4277E+04  -1.400       14.00
1.000       1.000       33.25       0.000       0.000     Ug5_2_8_L_0
   9 D   7.415     -3.7046E-21   16.00       21.08       16.00       21.08            V-C  3.4277E+04  -1.600       16.00
1.000       1.000       37.08       0.000       0.000     Ug5_2_8_L_0
  10 D   8.169     -3.7319E-21   18.00       22.85       18.00       22.85            V-C  3.4277E+04  -1.800       18.00
1.000       1.000       40.85       0.000       0.000     Ug5_2_8_L_0
  11 D   8.912     -3.7042E-21   20.00       24.56       20.00       24.56            V-C  3.4277E+04  -2.000       20.00
1.000       1.000       44.56       0.000       0.000     Ug5_2_8_L_0
  12 D   9.643     -3.6093E-21   22.00       26.22       22.00       26.22            V-C  3.4277E+04  -2.200       22.00
1.000       1.000       48.22       0.000       0.000     Ug5_2_8_L_0
  13 D   10.36     -3.4340E-21   24.00       27.82       24.00       27.82            V-C  3.4277E+04  -2.400       24.00
1.000       1.000       51.82       0.000       0.000     Ug5_2_8_L_0
  14 D   11.07     -3.1647E-21   26.00       29.37       26.00       29.37            V-C  3.4277E+04  -2.600       26.00
1.000       1.000       55.37       0.000       0.000     Ug5_2_8_L_0
  15 D   11.77     -2.7867E-21   28.00       30.86       28.00       30.86            V-C  3.4277E+04  -2.800       28.00
1.000       1.000       58.86       0.000       0.000     Ug5_2_8_L_0
  16 D   12.46     -2.2852E-21   30.00       32.31       30.00       32.31            V-C  3.4277E+04  -3.000       30.00
1.000       1.000       62.31       0.000       0.000     Ug5_2_8_L_0
  17 D   13.14     -1.6450E-21   32.00       33.71       32.00       33.71            V-C  3.4277E+04  -3.200       32.00
1.000       1.000       65.71       0.000       0.000     Ug5_2_8_L_0
  18 D   13.81     -8.5105E-22   34.00       35.06       34.00       35.06            V-C  3.4277E+04  -3.400       34.00
1.000       1.000       69.06       0.000       0.000     Ug5_2_8_L_0
  19 D   14.47      1.1154E-22   36.00       36.37       36.00       36.37            V-C  3.4277E+04  -3.600       36.00
1.000       1.000       72.37       0.000       0.000     Ug5_2_8_L_0
  20 D   15.13      1.2569E-21   38.00       37.63       38.00       37.63            V-C  3.4277E+04  -3.800       38.00
1.000       1.000       75.63       0.000       0.000     Ug5_2_8_L_0
  21 D   15.77      2.5980E-21   40.00       38.86       40.00       38.86            V-C  3.4277E+04  -4.000       40.00
1.000       1.000       78.86       0.000       0.000     Ug5_2_8_L_0
  22 D   16.41      4.1381E-21   42.00       40.06       42.00       40.06            V-C  3.4277E+04  -4.200       42.00
1.000       1.000       82.06       0.000       0.000     Ug5_2_8_L_0
  23 D   17.04      5.8437E-21   44.00       41.21       44.00       41.21            V-C  3.4277E+04  -4.400       44.00
1.000       1.000       85.21       0.000       0.000     Ug5_2_8_L_0
  24 D   17.67      7.6705E-21   46.00       42.34       46.00       42.34            V-C  3.4277E+04  -4.600       46.00
1.000       1.000       88.34       0.000       0.000     Ug5_2_8_L_0
  25 D   18.29      9.5714E-21   48.00       43.44       48.00       43.44            V-C  3.4277E+04  -4.800       48.00
1.000       1.000       91.44       0.000       0.000     Ug5_2_8_L_0
  26 D   18.90      1.1496E-20   50.00       44.51       50.00       44.51            V-C  3.4277E+04  -5.000       50.00
1.000       1.000       94.51       0.000       0.000     Ug5_2_8_L_0
  27 D   19.51      1.3391E-20   52.00       45.56       52.00       45.56            V-C  3.4277E+04  -5.200       52.00
1.000       1.000       97.56       0.000       0.000     Ug5_2_8_L_0
  28 D   20.12      1.5198E-20   54.00       46.59       54.00       46.59            V-C  3.4277E+04  -5.400       54.00
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1.000	1.000	100.6	0.000	0.000	Ug5_2_8_L_0							
29 D	20.72	1.6855E-20	56.00	47.60	56.00	47.60	V-C	3.4277E+04	-5.600	56.00		
1.000	1.000	103.6	0.000	0.000	Ug5_2_8_L_0							
30 D	21.32	1.8294E-20	58.00	48.59	58.00	48.59	V-C	3.4277E+04	-5.800	58.00		
1.000	1.000	106.6	0.000	0.000	Ug5_2_8_L_0							
31 D	21.91	1.9441E-20	60.00	49.56	60.00	49.56	V-C	3.4277E+04	-6.000	60.00		
1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0							
32 D	22.50	2.0236E-20	62.00	50.51	62.00	50.51	V-C	3.4277E+04	-6.200	62.00		
1.000	1.000	112.5	0.000	0.000	Ug5_2_8_L_0							
33 D	23.09	2.0682E-20	64.00	51.46	64.00	51.46	V-C	3.4277E+04	-6.400	64.00		
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0							
34 D	23.68	2.0790E-20	66.00	52.39	66.00	52.39	V-C	3.4277E+04	-6.600	66.00		
1.000	1.000	118.4	0.000	0.000	Ug5_2_8_L_0							
35 D	24.26	2.0568E-20	68.00	53.31	68.00	53.31	V-C	3.4277E+04	-6.800	68.00		
1.000	1.000	121.3	0.000	0.000	Ug5_2_8_L_0							
36 D	24.84	2.0016E-20	70.00	54.22	70.00	54.22	V-C	3.4277E+04	-7.000	70.00		
1.000	1.000	124.2	0.000	0.000	Ug5_2_8_L_0							
37 D	25.42	1.9130E-20	72.00	55.12	72.00	55.12	V-C	3.4277E+04	-7.200	72.00		
1.000	1.000	127.1	0.000	0.000	Ug5_2_8_L_0							
38 D	26.00	1.7897E-20	74.00	56.01	74.00	56.01	V-C	3.4277E+04	-7.400	74.00		
1.000	1.000	130.0	0.000	0.000	Ug5_2_8_L_0							
39 D	26.58	1.6300E-20	76.00	56.89	76.00	56.89	V-C	3.4277E+04	-7.600	76.00		
1.000	1.000	132.9	0.000	0.000	Ug5_2_8_L_0							
40 D	27.15	1.4319E-20	78.00	57.77	78.00	57.77	V-C	3.4277E+04	-7.800	78.00		
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0							
41 D	27.73	1.1908E-20	80.00	58.64	80.00	58.64	V-C	3.4277E+04	-8.000	80.00		
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0							
42 D	28.30	8.9515E-21	82.00	59.51	82.00	59.51	V-C	3.4277E+04	-8.200	82.00		
1.000	1.000	141.5	0.000	0.000	Ug5_2_8_L_0							
43 D	28.87	5.3138E-21	84.00	60.37	84.00	60.37	V-C	3.4277E+04	-8.400	84.00		
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0							
44 D	29.45	8.5722E-22	86.00	61.23	86.00	61.23	V-C	3.4277E+04	-8.600	86.00		
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0							
45 D	30.02	-4.5550E-21	88.00	62.09	88.00	62.09	V-C	3.4277E+04	-8.800	88.00		
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0							
46 D	30.59	-1.1040E-20	90.00	62.94	90.00	62.94	V-C	3.4277E+04	-9.000	90.00		
1.000	1.000	152.9	0.000	0.000	Ug5_2_8_L_0							
47 D	31.16	-1.8626E-20	92.00	63.79	92.00	63.79	V-C	3.4277E+04	-9.200	92.00		
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0							
48 D	31.73	-2.7247E-20	94.00	64.64	94.00	64.64	V-C	3.4277E+04	-9.400	94.00		
1.000	1.000	158.6	0.000	0.000	Ug5_2_8_L_0							
49 D	32.30	-3.6828E-20	96.00	65.48	96.00	65.48	V-C	3.4277E+04	-9.600	96.00		
1.000	1.000	161.5	0.000	0.000	Ug5_2_8_L_0							
50 D	32.86	-4.7355E-20	98.00	66.32	98.00	66.32	V-C	3.4277E+04	-9.800	98.00		
1.000	1.000	164.3	0.000	0.000	Ug5_2_8_L_0							
51 D	33.43	-5.8816E-20	100.00	67.17	100.00	67.17	V-C	3.4277E+04	-10.00	100.00		
1.000	1.000	167.2	0.000	0.000	Ug5_2_8_L_0							
52 D	34.00	-7.1182E-20	102.0	68.01	102.0	68.01	V-C	3.4277E+04	-10.20	102.0		
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0							
53 D	34.57	-8.4404E-20	104.0	68.85	104.0	68.85	V-C	3.4277E+04	-10.40	104.0		
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0							
54 D	35.14	-9.8412E-20	106.0	69.69	106.0	69.69	V-C	3.4277E+04	-10.60	106.0		
1.000	1.000	175.7	0.000	0.000	Ug5_2_8_L_0							
55 D	35.70	-1.1311E-19	108.0	70.52	108.0	70.52	V-C	3.4277E+04	-10.80	108.0		
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0							
56 D	36.27	-1.2837E-19	110.0	71.36	110.0	71.36	V-C	3.4277E+04	-11.00	110.0		
1.000	1.000	181.4	0.000	0.000	Ug5_2_8_L_0							
57 D	36.84	-1.4402E-19	112.0	72.20	112.0	72.20	V-C	3.4277E+04	-11.20	112.0		
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0							
58 D	37.41	-1.5988E-19	114.0	73.04	114.0	73.04	V-C	3.4277E+04	-11.40	114.0		
1.000	1.000	187.0	0.000	0.000	Ug5_2_8_L_0							
59 D	37.98	-1.7573E-19	116.0	73.88	116.0	73.88	V-C	3.4277E+04	-11.60	116.0		
1.000	1.000	189.9	0.000	0.000	Ug5_2_8_L_0							
60 D	38.54	-1.9149E-19	118.0	74.72	118.0	74.72	V-C	3.4277E+04	-11.80	118.0		
1.000	1.000	192.7	0.000	0.000	Ug5_2_8_L_0							
61 D	19.56	-2.0722E-19	120.0	75.56	120.0	75.56	V-C	3.4277E+04	-12.00	120.0		
1.000	1.000	195.6	0.000	0.000	Ug5_2_8_L_0							

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.46543E-17-2.46543E-17-3.15544E-29 4.93086E-18
    2 7.31047E-17-7.31047E-17-4.93086E-18 1.95518E-17
    3 1.20679E-16-1.20679E-16-1.95518E-17 4.36876E-17
    4 1.67322E-16-1.67322E-16-4.36876E-17 7.71521E-17
    5 2.12921E-16-2.12921E-16-7.71521E-17 1.19736E-16
    6 2.57286E-16-2.57286E-16-1.19736E-16 1.71194E-16
    7 3.00136E-16-3.00136E-16-1.71194E-16 2.31221E-16
    8 3.41090E-16-3.41090E-16-2.31221E-16 2.99439E-16
    9 3.79654E-16-3.79654E-16-2.99439E-16 3.75369E-16
   10 4.15224E-16-4.15224E-16-3.75369E-16 4.58414E-16
   11 4.47078E-16-4.47078E-16-4.58414E-16 5.47830E-16
   12 4.74387E-16-4.74387E-16-5.47830E-16 6.42707E-16
   13 4.96217E-16-4.96217E-16-6.42707E-16 7.41951E-16
   14 5.11543E-16-5.11543E-16-7.41951E-16 8.44259E-16
   15 5.19266E-16-5.19266E-16-8.44259E-16 9.48112E-16
   16 5.18235E-16-5.18235E-16-9.48112E-16 1.05176E-15
   17 5.07268E-16-5.07268E-16-1.05176E-15 1.15321E-15
   18 4.85187E-16-4.85187E-16-1.15321E-15 1.25025E-15
   19 4.50849E-16-4.50849E-16-1.25025E-15 1.34042E-15
   20 4.03183E-16-4.03183E-16-1.34042E-15 1.42106E-15
   21-1.43513E-15 1.43513E-15-1.42106E-15 1.13403E-15
   22-1.51217E-15 1.51217E-15-1.13403E-15 8.31598E-16
   23-1.60491E-15 1.60491E-15-8.31598E-16 5.10616E-16
   24-1.71372E-15 1.71372E-15-5.10616E-16 1.67872E-16
   25-1.83870E-15 1.83870E-15-1.67872E-16-1.99868E-16
   26-1.97962E-15 1.97962E-15 1.99868E-16-5.95789E-16
   27-2.13592E-15 2.13592E-15 5.95789E-16-1.02297E-15
   28-2.30667E-15 2.30667E-15 1.02297E-15-1.48431E-15
   29-2.49055E-15 2.49055E-15 1.48431E-15-1.98242E-15
   30-2.68582E-15 2.68582E-15 1.98242E-15-2.51958E-15
   31 6.62391E-16-6.62391E-16 2.51958E-15-2.38710E-15
   32 4.51235E-16-4.51235E-16 2.38710E-15-2.29685E-15
   33 2.36445E-16-2.36445E-16 2.29685E-15-2.24957E-15
   34 2.14787E-17-2.14787E-17 2.24957E-15-2.24527E-15
   35-1.89771E-16 1.89771E-16 2.24527E-15-2.28322E-15
   36-3.92972E-16 3.92972E-16 2.28322E-15-2.36182E-15
   37-5.83354E-16 5.83354E-16 2.36182E-15-2.47849E-15
   38-7.55712E-16 7.55712E-16 2.47849E-15-2.62963E-15
   39-9.04422E-16 9.04422E-16 2.62963E-15-2.81052E-15
   40-4.57616E-15 4.57616E-15 2.81052E-15-3.72575E-15
   41-4.65908E-15 4.65908E-15 3.72575E-15-4.65756E-15
   42-4.69912E-15 4.69912E-15 4.65756E-15-5.59739E-15
   43-4.68921E-15 4.68921E-15 5.59739E-15-6.53523E-15
   44-4.62205E-15 4.62205E-15 6.53523E-15-7.45963E-15
   45-9.37443E-16 9.37443E-16 7.45963E-15-7.64712E-15
   46 2.81942E-15-2.81942E-15 7.64712E-15-7.08324E-15
   47 3.10334E-15-3.10334E-15 7.08324E-15-6.46257E-15
   48-7.83237E-17 7.83237E-17 6.46257E-15-6.47823E-15
   49 3.86964E-16-3.86964E-16 6.47823E-15-6.40084E-15
   50 9.53242E-16-9.53242E-16 6.40084E-15-6.21019E-15
   51 1.62680E-15-1.62680E-15 6.21019E-15-5.88482E-15
   52 2.41338E-15-2.41338E-15 5.88482E-15-5.40217E-15
   53 3.31806E-15-3.31806E-15 5.40217E-15-4.73856E-15
   54 4.34527E-15-4.34527E-15 4.73856E-15-3.86951E-15
   55 5.49866E-15-5.49866E-15 3.86951E-15-2.76977E-15
   56 6.78117E-15-6.78117E-15 2.76977E-15-1.41354E-15
   57 8.19497E-15-8.19497E-15 1.41354E-15 2.25453E-16
   58 2.63615E-15-2.63615E-15-2.25453E-16 7.52683E-16
   59-2.78894E-15 2.78894E-15-7.52683E-16 1.94895E-16
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   60-9.74425E-16 9.74425E-16-1.94895E-16-1.00974E-28

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6184E+05 RIMNOR=0.1258E-26
           RENORM= 266.8     REMNOR=0.4985E-53 RATIO =0.6569E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.7647E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6184E+05 RDR   =0.1000E-19
           RATIOT=0.6569E-01 RATIOR= 0.000
           MAX UN= 5.032     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.2465E-16 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6184E+05 RIMNOR=0.1258E-26
           RENORM= 7.693     REMNOR=0.8461E-23 RATIO =0.1115E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.7647E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6184E+05 RDR   =0.1000E-19
           RATIOT=0.1115E-01 RATIOR= 0.000
           MAX UN= 2.072     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.5125E-11 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6184E+05 RIMNOR=0.1258E-26
           RENORM= 3.079     REMNOR=0.2623E-23 RATIO =0.7056E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.7647E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6184E+05 RDR   =0.1000E-19
           RATIOT=0.7056E-02 RATIOR= 0.000
           MAX UN= 1.518     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.3013E-11 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6184E+05 RIMNOR=0.1258E-26
           RENORM=0.7256E-01 REMNOR=0.3621E-23 RATIO =0.1083E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.7647E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6184E+05 RDR   =0.1000E-19
           RATIOT=0.1083E-02 RATIOR= 0.000
           MAX UN=0.2691     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.1198E-10 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6184E+05 RIMNOR=0.1258E-26
           RENORM=0.2159E-21 REMNOR=0.1352E-23 RATIO =0.5909E-13 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.03     RMMAX =0.7647E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6184E+05 RDR   =0.1000E-19
           RATIOT=0.5909E-13 RATIOR= 0.000
           MAX UN=0.5107E-11 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.7597E-11 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   2.1253838E-04  -7.1209857E-05
    2   1.9829641E-04  -7.1209857E-05
    3   1.8405684E-04  -7.1173790E-05
    4   1.6983662E-04  -7.0991895E-05
    5   1.5568218E-04  -7.0478510E-05
    6   1.4168488E-04  -6.9370152E-05
    7   1.2799663E-04  -6.7324247E-05
    8   1.1483107E-04  -6.4140017E-05
    9   1.0240931E-04  -5.9925425E-05
   10   9.0912964E-05  -5.4929797E-05
   11   8.0470972E-05  -4.9430458E-05
   12   7.1155634E-05  -4.3708325E-05
   13   6.2986518E-05  -3.8003053E-05
   14   5.5941154E-05  -3.2496675E-05
   15   4.9965767E-05  -2.7321517E-05
   16   4.4984447E-05  -2.2567864E-05
   17   4.0906804E-05  -1.8291173E-05
   18   3.7634334E-05  -1.4518812E-05
   19   3.5065314E-05  -1.1255929E-05
   20   3.3098818E-05  -8.4902165E-06
   21   3.1637852E-05  -6.1952430E-06
   22   3.0591808E-05  -4.3340732E-06
   23   2.9878196E-05  -2.8632922E-06
   24   2.9423581E-05  -1.7361681E-06
   25   2.9163985E-05  -9.0520231E-07
   26   2.9044844E-05  -3.2407584E-07
   27   2.9020613E-05   5.0913352E-08
   28   2.9054139E-05   2.5985183E-07
   29   2.9115871E-05   3.3854985E-07
   30   2.9182955E-05   3.1818678E-07
   31   2.9238302E-05   2.2517072E-07
   32   2.9269647E-05   8.1505534E-08
   33   2.9268741E-05  -9.4602464E-08
   34   2.9230629E-05  -2.8836672E-07
   35   2.9152996E-05  -4.8810104E-07
   36   2.9035586E-05  -6.8486465E-07
   37   2.8879687E-05  -8.7209604E-07
   38   2.8687687E-05  -1.0452565E-06
   39   2.8462713E-05  -1.2014818E-06
   40   2.8208323E-05  -1.3392680E-06
   41   2.7928264E-05  -1.4581843E-06
   42   2.7626282E-05  -1.5586190E-06
   43   2.7305982E-05  -1.6415609E-06
   44   2.6970730E-05  -1.7084134E-06
   45   2.6623580E-05  -1.7608404E-06
   46   2.6267237E-05  -1.8006433E-06
   47   2.5904042E-05  -1.8296608E-06
   48   2.5535972E-05  -1.8496951E-06
   49   2.5164649E-05  -1.8624563E-06
   50   2.4791371E-05  -1.8695233E-06
   51   2.4417126E-05  -1.8723184E-06
   52   2.4042635E-05  -1.8720919E-06
   53   2.3668429E-05  -1.8699156E-06
   54   2.3294758E-05  -1.8666801E-06
   55   2.2921780E-05  -1.8630983E-06
   56   2.2549506E-05  -1.8597086E-06
   57   2.2177859E-05  -1.8568805E-06
   58   2.1806703E-05  -1.8548189E-06
   59   2.1435877E-05  -1.8535682E-06
   60   2.1065229E-05  -1.8530148E-06
   61   2.0694625E-05  -1.8528884E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P          STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -2.1254E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4931     -1.9830E-04   2.219      0.5525       2.219       4.707          ACTIVE   0.000     -0.2000       1.913
1.000       1.000       2.465       0.000       0.000     Ug5_2_8_L_0
   3 D   1.008     -1.8406E-04   4.866       1.212       4.866       8.349          ACTIVE   0.000     -0.4000       3.826
1.000       1.000       5.038       0.000       0.000     Ug5_2_8_L_0
   4 D   1.531     -1.6984E-04   7.690       1.915       7.690       11.12          ACTIVE   0.000     -0.6000       5.739
1.000       1.000       7.654       0.000       0.000     Ug5_2_8_L_0
   5 D   2.072     -1.5568E-04   10.86       2.705       10.86       13.46          ACTIVE   0.000     -0.8000       7.652
1.000       1.000       10.36       0.000       0.000     Ug5_2_8_L_0
   6 D   2.612     -1.4168E-04   14.04       3.495       14.04       15.59          ACTIVE   0.000      -1.000       9.565
1.000       1.000       13.06       0.000       0.000     Ug5_2_8_L_0
   7 D   3.128     -1.2800E-04   16.72       4.163       16.72       17.61          ACTIVE   0.000      -1.200       11.48
1.000       1.000       15.64       0.000       0.000     Ug5_2_8_L_0
   8 D   3.639     -1.1483E-04   19.30       4.806       19.30       19.55          ACTIVE   0.000      -1.400       13.39
1.000       1.000       18.20       0.000       0.000     Ug5_2_8_L_0
   9 D   4.156     -1.0241E-04   21.98       5.474       21.98       21.42          ACTIVE   0.000      -1.600       15.30
1.000       1.000       20.78       0.000       0.000     Ug5_2_8_L_0
  10 D   4.661     -9.0913E-05   24.45       6.089       24.45       23.24          ACTIVE   0.000      -1.800       17.22
1.000       1.000       23.31       0.000       0.000     Ug5_2_8_L_0
  11 D   5.496     -8.0471E-05   27.04       8.349       27.04       24.99           UL-RL  2.0684E+05  -2.000       19.13
1.000       1.000       27.48       0.000       0.000     Ug5_2_8_L_0
  12 D   6.604     -7.1156E-05   29.48       11.98       29.48       26.69           UL-RL  2.0684E+05  -2.200       21.04
1.000       1.000       33.02       0.000       0.000     Ug5_2_8_L_0
  13 D   7.654     -6.2987E-05   32.03       15.31       32.03       28.34           UL-RL  2.0684E+05  -2.400       22.96
1.000       1.000       38.27       0.000       0.000     Ug5_2_8_L_0
  14 D   8.646     -5.5941E-05   34.47       18.36       34.47       29.93           UL-RL  2.0684E+05  -2.600       24.87
1.000       1.000       43.23       0.000       0.000     Ug5_2_8_L_0
  15 D   9.584     -4.9966E-05   37.01       21.14       37.01       31.47           UL-RL  2.0684E+05  -2.800       26.78
1.000       1.000       47.92       0.000       0.000     Ug5_2_8_L_0
  16 D   10.47     -4.4984E-05   39.47       23.66       39.47       32.96           UL-RL  2.0684E+05  -3.000       28.70
1.000       1.000       52.35       0.000       0.000     Ug5_2_8_L_0
  17 D   11.31     -4.0907E-05   42.01       25.94       42.01       34.40           UL-RL  2.0684E+05  -3.200       30.61
1.000       1.000       56.55       0.000       0.000     Ug5_2_8_L_0
  18 D   12.11     -3.7634E-05   44.48       28.02       44.48       35.80           UL-RL  2.0684E+05  -3.400       32.52
1.000       1.000       60.54       0.000       0.000     Ug5_2_8_L_0
  19 D   12.87     -3.5065E-05   46.96       29.90       46.96       37.15           UL-RL  2.0684E+05  -3.600       34.43
1.000       1.000       64.33       0.000       0.000     Ug5_2_8_L_0
  20 D   13.59     -3.3099E-05   49.52       31.61       49.52       38.46           UL-RL  2.0684E+05  -3.800       36.35
1.000       1.000       67.96       0.000       0.000     Ug5_2_8_L_0
  21 D   14.29     -3.1638E-05   52.01       33.19       52.01       39.73           UL-RL  2.0684E+05  -4.000       38.26
1.000       1.000       71.45       0.000       0.000     Ug5_2_8_L_0
  22 D   14.96     -3.0592E-05   54.56       34.64       54.56       40.97           UL-RL  2.0684E+05  -4.200       40.17
1.000       1.000       74.81       0.000       0.000     Ug5_2_8_L_0
  23 D   15.62     -2.9878E-05   57.05       35.99       57.05       42.17           UL-RL  2.0684E+05  -4.400       42.09
1.000       1.000       78.08       0.000       0.000     Ug5_2_8_L_0
  24 D   16.25     -2.9424E-05   59.60       37.26       59.60       43.34           UL-RL  2.0684E+05  -4.600       44.00
1.000       1.000       81.26       0.000       0.000     Ug5_2_8_L_0
  25 D   16.87     -2.9164E-05   62.10       38.45       62.10       44.48           UL-RL  2.0684E+05  -4.800       45.91
1.000       1.000       84.37       0.000       0.000     Ug5_2_8_L_0
  26 D   17.48     -2.9045E-05   64.59       39.59       64.59       45.60           UL-RL  2.0684E+05  -5.000       47.83
1.000       1.000       87.42       0.000       0.000     Ug5_2_8_L_0
  27 D   18.09     -2.9021E-05   66.87       40.69       66.87       46.69           UL-RL  2.0684E+05  -5.200       49.74
1.000       1.000       90.43       0.000       0.000     Ug5_2_8_L_0
  28 D   18.68     -2.9054E-05   69.17       41.75       69.17       47.76           UL-RL  2.0684E+05  -5.400       51.65
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1.000	1.000	93.41	0.000	0.000	Ug5_2_8_L_0						
29 D	19.27	-2.9116E-05	71.47	42.79	71.47	48.81	UL-RL	2.0684E+05	-5.600	53.57	
1.000	1.000	96.36	0.000	0.000	Ug5_2_8_L_0						
30 D	19.86	-2.9183E-05	73.77	43.81	73.77	49.85	UL-RL	2.0684E+05	-5.800	55.48	
1.000	1.000	99.29	0.000	0.000	Ug5_2_8_L_0						
31 D	20.44	-2.9238E-05	76.08	44.81	76.08	50.86	UL-RL	2.0684E+05	-6.000	57.39	
1.000	1.000	102.2	0.000	0.000	Ug5_2_8_L_0						
32 D	21.02	-2.9270E-05	78.39	45.81	78.39	51.86	UL-RL	2.0684E+05	-6.200	59.30	
1.000	1.000	105.1	0.000	0.000	Ug5_2_8_L_0						
33 D	21.60	-2.9269E-05	80.70	46.79	80.70	52.85	UL-RL	2.0684E+05	-6.400	61.22	
1.000	1.000	108.0	0.000	0.000	Ug5_2_8_L_0						
34 D	22.18	-2.9231E-05	83.25	47.78	83.25	53.82	UL-RL	2.0684E+05	-6.600	63.13	
1.000	1.000	110.9	0.000	0.000	Ug5_2_8_L_0						
35 D	22.76	-2.9153E-05	85.70	48.76	85.70	54.79	UL-RL	2.0684E+05	-6.800	65.04	
1.000	1.000	113.8	0.000	0.000	Ug5_2_8_L_0						
36 D	23.34	-2.9036E-05	88.72	49.73	88.72	55.74	UL-RL	2.0684E+05	-7.000	66.96	
1.000	1.000	116.7	0.000	0.000	Ug5_2_8_L_0						
37 D	23.92	-2.8880E-05	91.13	50.71	91.13	56.68	UL-RL	2.0684E+05	-7.200	68.87	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
38 D	24.49	-2.8688E-05	94.08	51.68	94.08	57.62	UL-RL	2.0684E+05	-7.400	70.78	
1.000	1.000	122.5	0.000	0.000	Ug5_2_8_L_0						
39 D	25.07	-2.8463E-05	96.47	52.66	96.47	58.55	UL-RL	2.0684E+05	-7.600	72.70	
1.000	1.000	125.4	0.000	0.000	Ug5_2_8_L_0						
40 D	25.65	-2.8208E-05	99.36	53.63	99.36	59.47	UL-RL	2.0684E+05	-7.800	74.61	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
41 D	26.23	-2.7928E-05	102.2	54.61	102.2	60.38	UL-RL	2.0684E+05	-8.000	76.52	
1.000	1.000	131.1	0.000	0.000	Ug5_2_8_L_0						
42 D	26.80	-2.7626E-05	104.6	55.58	104.6	61.29	UL-RL	2.0684E+05	-8.200	78.43	
1.000	1.000	134.0	0.000	0.000	Ug5_2_8_L_0						
43 D	27.38	-2.7306E-05	107.4	56.55	107.4	62.20	UL-RL	2.0684E+05	-8.400	80.35	
1.000	1.000	136.9	0.000	0.000	Ug5_2_8_L_0						
44 D	27.96	-2.6971E-05	109.7	57.52	109.7	63.10	UL-RL	2.0684E+05	-8.600	82.26	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
45 D	28.53	-2.6624E-05	112.5	58.49	112.5	64.00	UL-RL	2.0684E+05	-8.800	84.17	
1.000	1.000	142.7	0.000	0.000	Ug5_2_8_L_0						
46 D	29.11	-2.6267E-05	114.8	59.46	114.8	64.90	UL-RL	2.0684E+05	-9.000	86.09	
1.000	1.000	145.6	0.000	0.000	Ug5_2_8_L_0						
47 D	29.69	-2.5904E-05	117.5	60.43	117.5	65.79	UL-RL	2.0684E+05	-9.200	88.00	
1.000	1.000	148.4	0.000	0.000	Ug5_2_8_L_0						
48 D	30.26	-2.5536E-05	119.8	61.40	119.8	66.68	UL-RL	2.0684E+05	-9.400	89.91	
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
49 D	30.84	-2.5165E-05	122.5	62.36	122.5	67.57	UL-RL	2.0684E+05	-9.600	91.83	
1.000	1.000	154.2	0.000	0.000	Ug5_2_8_L_0						
50 D	31.41	-2.4791E-05	124.8	63.33	124.8	68.45	UL-RL	2.0684E+05	-9.800	93.74	
1.000	1.000	157.1	0.000	0.000	Ug5_2_8_L_0						
51 D	31.99	-2.4417E-05	127.4	64.29	127.4	69.34	UL-RL	2.0684E+05	-10.00	95.65	
1.000	1.000	159.9	0.000	0.000	Ug5_2_8_L_0						
52 D	32.56	-2.4043E-05	129.7	65.25	129.7	70.22	UL-RL	2.0684E+05	-10.20	97.57	
1.000	1.000	162.8	0.000	0.000	Ug5_2_8_L_0						
53 D	33.14	-2.3668E-05	132.3	66.21	132.3	71.11	UL-RL	2.0684E+05	-10.40	99.48	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
54 D	33.71	-2.3295E-05	134.9	67.17	134.9	71.99	UL-RL	2.0684E+05	-10.60	101.4	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
55 D	34.29	-2.2922E-05	137.2	68.13	137.2	72.87	UL-RL	2.0684E+05	-10.80	103.3	
1.000	1.000	171.4	0.000	0.000	Ug5_2_8_L_0						
56 D	34.86	-2.2550E-05	139.8	69.09	139.8	73.75	UL-RL	2.0684E+05	-11.00	105.2	
1.000	1.000	174.3	0.000	0.000	Ug5_2_8_L_0						
57 D	35.44	-2.2178E-05	142.0	70.05	142.0	74.64	UL-RL	2.0684E+05	-11.20	107.1	
1.000	1.000	177.2	0.000	0.000	Ug5_2_8_L_0						
58 D	36.01	-2.1807E-05	144.6	71.01	144.6	75.52	UL-RL	2.0684E+05	-11.40	109.0	
1.000	1.000	180.1	0.000	0.000	Ug5_2_8_L_0						
59 D	36.58	-2.1436E-05	146.8	71.97	146.8	76.40	UL-RL	2.0684E+05	-11.60	111.0	
1.000	1.000	182.9	0.000	0.000	Ug5_2_8_L_0						
60 D	37.16	-2.1065E-05	149.4	72.93	149.4	77.28	UL-RL	2.0684E+05	-11.80	112.9	
1.000	1.000	185.8	0.000	0.000	Ug5_2_8_L_0						
61 D	18.87	-2.0695E-05	151.6	73.88	151.6	78.16	UL-RL	2.0684E+05	-12.00	114.8	
1.000	1.000	188.7	0.000	0.000	Ug5_2_8_L_0						

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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6 D   0.000      1.4168E-04   0.000       0.000       10.00       15.38         PASSIVE   0.000      -1.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.995      1.2800E-04   1.913       12.89       12.00       17.35         PASSIVE   0.000      -1.200       2.087
1.000       1.000       14.98       0.000       0.000     Ug5_2_8_L_0
   8 D   5.248      1.1483E-04   3.826       22.07       14.00       22.07           V-C   3.4277E+04  -1.400       4.174
1.000       1.000       26.24       0.000       0.000     Ug5_2_8_L_0
   9 D   5.955      1.0241E-04   5.739       23.52       16.00       23.52           V-C   3.4277E+04  -1.600       6.261
1.000       1.000       29.78       0.000       0.000     Ug5_2_8_L_0
  10 D   6.653      9.0913E-05   7.652       24.92       18.00       24.92           V-C   3.4277E+04  -1.800       8.348
1.000       1.000       33.27       0.000       0.000     Ug5_2_8_L_0
  11 D   7.345      8.0471E-05   9.565       26.29       20.00       26.29           V-C   3.4277E+04  -2.000       10.43
1.000       1.000       36.72       0.000       0.000     Ug5_2_8_L_0
  12 D   8.032      7.1156E-05   11.48       27.64       22.00       27.64           V-C   3.4277E+04  -2.200       12.52
1.000       1.000       40.16       0.000       0.000     Ug5_2_8_L_0
  13 D   8.715      6.2987E-05   13.39       28.97       24.00       28.97           V-C   3.4277E+04  -2.400       14.61
1.000       1.000       43.57       0.000       0.000     Ug5_2_8_L_0
  14 D   9.394      5.5941E-05   15.30       30.28       26.00       30.28           V-C   3.4277E+04  -2.600       16.70
1.000       1.000       46.97       0.000       0.000     Ug5_2_8_L_0
  15 D   10.07      4.9966E-05   17.22       31.57       28.00       31.57           V-C   3.4277E+04  -2.800       18.78
1.000       1.000       50.35       0.000       0.000     Ug5_2_8_L_0
  16 D   10.74      4.4984E-05   19.13       32.85       30.00       32.85           V-C   3.4277E+04  -3.000       20.87
1.000       1.000       53.71       0.000       0.000     Ug5_2_8_L_0
  17 D   11.41      4.0907E-05   21.04       34.10       32.00       34.10           V-C   3.4277E+04  -3.200       22.96
1.000       1.000       57.06       0.000       0.000     Ug5_2_8_L_0
  18 D   12.08      3.7634E-05   22.96       35.34       34.00       35.34           V-C   3.4277E+04  -3.400       25.04
1.000       1.000       60.38       0.000       0.000     Ug5_2_8_L_0
  19 D   12.73      3.5065E-05   24.87       36.51       36.00       36.58         UL-RL   1.0283E+05  -3.600       27.13
1.000       1.000       63.64       0.000       0.000     Ug5_2_8_L_0
  20 D   13.37      3.3099E-05   26.78       37.63       38.00       37.82         UL-RL   1.0283E+05  -3.800       29.22
1.000       1.000       66.84       0.000       0.000     Ug5_2_8_L_0
  21 D   14.01      3.1638E-05   28.70       38.74       40.00       39.02         UL-RL   1.0283E+05  -4.000       31.30
1.000       1.000       70.05       0.000       0.000     Ug5_2_8_L_0
  22 D   14.65      3.0592E-05   30.61       39.86       42.00       40.19         UL-RL   1.0283E+05  -4.200       33.39
1.000       1.000       73.25       0.000       0.000     Ug5_2_8_L_0
  23 D   15.29      2.9878E-05   32.52       40.97       44.00       41.33         UL-RL   1.0283E+05  -4.400       35.48
1.000       1.000       76.45       0.000       0.000     Ug5_2_8_L_0
  24 D   15.93      2.9424E-05   34.43       42.07       46.00       42.44         UL-RL   1.0283E+05  -4.600       37.57
1.000       1.000       79.64       0.000       0.000     Ug5_2_8_L_0
  25 D   16.56      2.9164E-05   36.35       43.16       48.00       43.52         UL-RL   1.0283E+05  -4.800       39.65
1.000       1.000       82.82       0.000       0.000     Ug5_2_8_L_0
  26 D   17.20      2.9045E-05   38.26       44.24       50.00       44.58         UL-RL   1.0283E+05  -5.000       41.74
1.000       1.000       85.98       0.000       0.000     Ug5_2_8_L_0
  27 D   17.83      2.9021E-05   40.17       45.30       52.00       45.61         UL-RL   1.0283E+05  -5.200       43.83
1.000       1.000       89.13       0.000       0.000     Ug5_2_8_L_0
  28 D   18.45      2.9054E-05   42.09       46.35       54.00       46.62         UL-RL   1.0283E+05  -5.400       45.91
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1.000	1.000	92.26	0.000	0.000	Ug5_2_8_L_0						
29 D	19.07	2.9116E-05	44.00	47.37	56.00	47.62	UL-RL	1.0283E+05	-5.600	48.00	
1.000	1.000	95.37	0.000	0.000	Ug5_2_8_L_0						
30 D	19.69	2.9183E-05	45.91	48.38	58.00	48.59	UL-RL	1.0283E+05	-5.800	50.09	
1.000	1.000	98.47	0.000	0.000	Ug5_2_8_L_0						
31 D	20.30	2.9238E-05	47.83	49.35	60.00	49.56	UL-RL	1.0283E+05	-6.000	52.17	
1.000	1.000	101.5	0.000	0.000	Ug5_2_8_L_0						
32 D	20.91	2.9270E-05	49.74	50.29	62.00	50.51	UL-RL	1.0283E+05	-6.200	54.26	
1.000	1.000	104.6	0.000	0.000	Ug5_2_8_L_0						
33 D	21.51	2.9269E-05	51.65	51.21	64.00	51.46	UL-RL	1.0283E+05	-6.400	56.35	
1.000	1.000	107.6	0.000	0.000	Ug5_2_8_L_0						
34 D	22.11	2.9231E-05	53.57	52.12	66.00	52.39	UL-RL	1.0283E+05	-6.600	58.43	
1.000	1.000	110.6	0.000	0.000	Ug5_2_8_L_0						
35 D	22.71	2.9153E-05	55.48	53.02	68.00	53.31	UL-RL	1.0283E+05	-6.800	60.52	
1.000	1.000	113.5	0.000	0.000	Ug5_2_8_L_0						
36 D	23.30	2.9036E-05	57.39	53.89	70.00	54.22	UL-RL	1.0283E+05	-7.000	62.61	
1.000	1.000	116.5	0.000	0.000	Ug5_2_8_L_0						
37 D	23.89	2.8880E-05	59.30	54.76	72.00	55.12	UL-RL	1.0283E+05	-7.200	64.70	
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0						
38 D	24.48	2.8688E-05	61.22	55.61	74.00	56.01	UL-RL	1.0283E+05	-7.400	66.78	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
39 D	25.06	2.8463E-05	63.13	56.45	76.00	56.89	UL-RL	1.0283E+05	-7.600	68.87	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
40 D	25.65	2.8208E-05	65.04	57.29	78.00	57.77	UL-RL	1.0283E+05	-7.800	70.96	
1.000	1.000	128.2	0.000	0.000	Ug5_2_8_L_0						
41 D	26.23	2.7928E-05	66.96	58.11	80.00	58.64	UL-RL	1.0283E+05	-8.000	73.04	
1.000	1.000	131.2	0.000	0.000	Ug5_2_8_L_0						
42 D	26.81	2.7626E-05	68.87	58.93	82.00	59.51	UL-RL	1.0283E+05	-8.200	75.13	
1.000	1.000	134.1	0.000	0.000	Ug5_2_8_L_0						
43 D	27.39	2.7306E-05	70.78	59.74	84.00	60.37	UL-RL	1.0283E+05	-8.400	77.22	
1.000	1.000	137.0	0.000	0.000	Ug5_2_8_L_0						
44 D	27.97	2.6971E-05	72.70	60.54	86.00	61.23	UL-RL	1.0283E+05	-8.600	79.30	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
45 D	28.55	2.6624E-05	74.61	61.34	88.00	62.09	UL-RL	1.0283E+05	-8.800	81.39	
1.000	1.000	142.7	0.000	0.000	Ug5_2_8_L_0						
46 D	29.12	2.6267E-05	76.52	62.13	90.00	62.94	UL-RL	1.0283E+05	-9.000	83.48	
1.000	1.000	145.6	0.000	0.000	Ug5_2_8_L_0						
47 D	29.70	2.5904E-05	78.43	62.93	92.00	63.79	UL-RL	1.0283E+05	-9.200	85.57	
1.000	1.000	148.5	0.000	0.000	Ug5_2_8_L_0						
48 D	30.27	2.5536E-05	80.35	63.72	94.00	64.64	UL-RL	1.0283E+05	-9.400	87.65	
1.000	1.000	151.4	0.000	0.000	Ug5_2_8_L_0						
49 D	30.85	2.5165E-05	82.26	64.50	96.00	65.48	UL-RL	1.0283E+05	-9.600	89.74	
1.000	1.000	154.2	0.000	0.000	Ug5_2_8_L_0						
50 D	31.42	2.4791E-05	84.17	65.29	98.00	66.32	UL-RL	1.0283E+05	-9.800	91.83	
1.000	1.000	157.1	0.000	0.000	Ug5_2_8_L_0						
51 D	32.00	2.4417E-05	86.09	66.07	100.00	67.17	UL-RL	1.0283E+05	-10.00	93.91	
1.000	1.000	160.0	0.000	0.000	Ug5_2_8_L_0						
52 D	32.57	2.4043E-05	88.00	66.85	102.0	68.01	UL-RL	1.0283E+05	-10.20	96.00	
1.000	1.000	162.9	0.000	0.000	Ug5_2_8_L_0						
53 D	33.14	2.3668E-05	89.91	67.63	104.0	68.85	UL-RL	1.0283E+05	-10.40	98.09	
1.000	1.000	165.7	0.000	0.000	Ug5_2_8_L_0						
54 D	33.72	2.3295E-05	91.83	68.41	106.0	69.69	UL-RL	1.0283E+05	-10.60	100.2	
1.000	1.000	168.6	0.000	0.000	Ug5_2_8_L_0						
55 D	34.29	2.2922E-05	93.74	69.19	108.0	70.52	UL-RL	1.0283E+05	-10.80	102.3	
1.000	1.000	171.5	0.000	0.000	Ug5_2_8_L_0						
56 D	34.86	2.2550E-05	95.65	69.97	110.0	71.36	UL-RL	1.0283E+05	-11.00	104.3	
1.000	1.000	174.3	0.000	0.000	Ug5_2_8_L_0						
57 D	35.44	2.2178E-05	97.57	70.75	112.0	72.20	UL-RL	1.0283E+05	-11.20	106.4	
1.000	1.000	177.2	0.000	0.000	Ug5_2_8_L_0						
58 D	36.01	2.1807E-05	99.48	71.53	114.0	73.04	UL-RL	1.0283E+05	-11.40	108.5	
1.000	1.000	180.0	0.000	0.000	Ug5_2_8_L_0						
59 D	36.58	2.1436E-05	101.4	72.31	116.0	73.88	UL-RL	1.0283E+05	-11.60	110.6	
1.000	1.000	182.9	0.000	0.000	Ug5_2_8_L_0						
60 D	37.16	2.1065E-05	103.3	73.09	118.0	74.72	UL-RL	1.0283E+05	-11.80	112.7	
1.000	1.000	185.8	0.000	0.000	Ug5_2_8_L_0						
61 D	18.86	2.0695E-05	105.2	73.87	120.0	75.56	UL-RL	1.0283E+05	-12.00	114.8	
1.000	1.000	188.6	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1-1.49922E-12 1.49922E-12-1.31450E-13-1.39976E-12
    2 0.49310    -0.49310     1.26343E-12 9.86199E-02
    3  1.5006     -1.5006    -9.86199E-02 0.39875
    4  3.0314     -3.0314    -0.39875      1.0050
    5  5.1030     -5.1030     -1.0050      2.0256
    6  7.7151     -7.7151     -2.0256      3.5686
    7  7.8480     -7.8480     -3.5686      5.1382
    8  6.2390     -6.2390     -5.1382      6.3860
    9  4.4393     -4.4393     -6.3860      7.2739
   10  2.4474     -2.4474     -7.2739      7.7634
   11 0.59859    -0.59859     -7.7634      7.8831
   12-0.82910     0.82910     -7.8831      7.7173
   13 -1.8902      1.8902     -7.7173      7.3392
   14 -2.6382      2.6382     -7.3392      6.8116
   15 -3.1245      3.1245     -6.8116      6.1867
   16 -3.3967      3.3967     -6.1867      5.5073
   17 -3.4981      3.4981     -5.5073      4.8077
   18 -3.4674      3.4674     -4.8077      4.1142
   19 -3.3299      3.3299     -4.1142      3.4483
   20 -3.1059      3.1059     -3.4483      2.8271
   21 -2.8252      2.8252     -2.8271      2.2620
   22 -2.5122      2.5122     -2.2620      1.7596
   23 -2.1863      2.1863     -1.7596      1.3224
   24 -1.8628      1.8628     -1.3224     0.94981
   25 -1.5530      1.5530    -0.94981     0.63921
   26 -1.2653      1.2653    -0.63921     0.38616
   27 -1.0050      1.0050    -0.38616     0.18516
   28-0.77563     0.77563    -0.18516     3.00324E-02
   29-0.57873     0.57873    -3.00324E-02-8.57126E-02
   30-0.41458     0.41458     8.57126E-02-0.16863
   31-0.27790     0.27790     0.16863    -0.22421
   32-0.16564     0.16564     0.22421    -0.25734
   33-7.57507E-02 7.57507E-02 0.25734    -0.27249
   34-5.87117E-03 5.87117E-03 0.27249    -0.27366
   35 4.64863E-02-4.64863E-02 0.27366    -0.26436
   36 8.38247E-02-8.38247E-02 0.26436    -0.24760
   37 0.10856    -0.10856     0.24760    -0.22589
   38 0.12297    -0.12297     0.22589    -0.20129
   39 0.12912    -0.12912     0.20129    -0.17547
   40 0.12886    -0.12886     0.17547    -0.14969
   41 0.12381    -0.12381     0.14969    -0.12493
   42 0.11535    -0.11535     0.12493    -0.10186
   43 0.10463    -0.10463     0.10186    -8.09373E-02
   44 9.25936E-02-9.25936E-02 8.09373E-02-6.24186E-02
   45 8.00063E-02-8.00063E-02 6.24186E-02-4.64174E-02
   46 6.74504E-02-6.74504E-02 4.64174E-02-3.29273E-02
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   50 2.46263E-02-2.46263E-02 6.28402E-03-1.35876E-03
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   52 9.97699E-03-9.97699E-03-1.97801E-03 3.97331E-03
   53 4.50175E-03-4.50175E-03-3.97331E-03 4.87366E-03
   54 2.33554E-04-2.33554E-04-4.87366E-03 4.92037E-03
   55-2.86093E-03 2.86093E-03-4.92037E-03 4.34819E-03
   56-4.81636E-03 4.81636E-03-4.34819E-03 3.38492E-03
   57-5.66305E-03 5.66305E-03-3.38492E-03 2.25231E-03
   58-5.42342E-03 5.42342E-03-2.25231E-03 1.16762E-03
   59-4.11036E-03 4.11036E-03-1.16762E-03 3.45550E-04
```

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   60-1.72766E-03 1.72766E-03-3.45550E-04 1.15144E-13

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM= 389.2     REMNOR=0.1352E-23 RATIO =0.8415E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.8415E-01 RATIOR= 0.000
           MAX UN= 7.250     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.4743E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM= 58.62     REMNOR=0.3033E-22 RATIO =0.3266E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.3266E-01 RATIOR= 0.000
           MAX UN= 2.677     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-.4762E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM= 138.9     REMNOR=0.7621E-21 RATIO =0.5028E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.5028E-01 RATIOR= 0.000
           MAX UN= 8.253     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-.2162E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM= 17.95     REMNOR=0.1371E-20 RATIO =0.1807E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.1807E-01 RATIOR= 0.000
           MAX UN= 3.637     IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.1612E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM=0.8743E-01 REMNOR=0.4988E-21 RATIO =0.1261E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.1261E-02 RATIOR= 0.000
           MAX UN=0.2853     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1896E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5496E+05 RIMNOR= 1122.
           RENORM=0.1233E-18 REMNOR=0.3494E-21 RATIO =0.1498E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.60     RMMAX = 7.883
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-04
           RDT   =0.5496E+05 RDR   = 1122.
           RATIOT=0.1498E-11 RATIOR= 0.000
           MAX UN=0.1543E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1185E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                       |
|                                  Exe Time :24 May 2018       18:23:40                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0345660E-03  -7.2004967E-04
    2   2.8905560E-03  -7.2004967E-04
    3   2.7465484E-03  -7.2001464E-04
    4   2.6025596E-03  -7.1983796E-04
    5   2.4586347E-03  -7.1933917E-04
    6   2.3148625E-03  -7.1826207E-04
    7   2.1713907E-03  -7.1627349E-04
    8   2.0284411E-03  -7.1296500E-04
    9   1.8863248E-03  -7.0785514E-04
   10   1.7454561E-03  -7.0038940E-04
   11   1.6063679E-03  -6.8994058E-04
   12   1.4697254E-03  -6.7580922E-04
   13   1.3363270E-03  -6.5743479E-04
   14   1.2070484E-03  -6.3460695E-04
   15   1.0827718E-03  -6.0746556E-04
   16   9.6431703E-04  -5.7650070E-04
   17   8.5238038E-04  -5.4239529E-04
   18   7.4752215E-04  -5.0583293E-04
   19   6.5016773E-04  -4.6746264E-04
   20   5.6061639E-04  -4.2790288E-04
   21   4.7904687E-04  -3.8774480E-04
   22   4.0552100E-04  -3.4755504E-04
   23   3.3999049E-04  -3.0788078E-04
   24   2.8229893E-04  -2.6925283E-04
   25   2.3218504E-04  -2.3218966E-04
   26   1.8928475E-04  -1.9720128E-04
   27   1.5313679E-04  -1.6473151E-04
   28   1.2320392E-04  -1.3508790E-04
   29   9.8901486E-05  -1.0844650E-04
   30   7.9620572E-05  -8.4876301E-05
   31   6.4747576E-05  -6.4356942E-05
   32   5.3681042E-05  -4.6789667E-05
   33   4.5845766E-05  -3.2012417E-05
   34   4.0703804E-05  -1.9819232E-05
   35   3.7761421E-05  -9.9758242E-06
   36   3.6573449E-05  -2.2327958E-06
   37   3.6745203E-05   3.6637627E-06
   38   3.7932538E-05   7.9640886E-06
   39   3.9840429E-05   1.0908275E-05
   40   4.2220473E-05   1.2721825E-05
   41   4.4867635E-05   1.3612515E-05
   42   4.7616498E-05   1.3768499E-05
   43   5.0337230E-05   1.3357411E-05
   44   5.2931458E-05   1.2526259E-05
   45   5.5328176E-05   1.1401919E-05
   46   5.7479846E-05   1.0092061E-05
   47   5.9358615E-05   8.6864316E-06
   48   6.0952917E-05   7.2582842E-06
   49   6.2264315E-05   5.8659294E-06
   50   6.3304666E-05   4.5543086E-06
   51   6.4093620E-05   3.3564927E-06
   52   6.4656374E-05   2.2951306E-06
   53   6.5021678E-05   1.3838751E-06
   54   6.5220277E-05   6.2821472E-07
   55   6.5283250E-05   2.6852896E-08
   56   6.5240806E-05  -4.2768490E-07
   57   6.5121102E-05  -7.4834265E-07
   58   6.4949200E-05  -9.5303388E-07
   59   6.4746117E-05  -1.0642863E-06
   60   6.4527921E-05  -1.1090116E-06
   61   6.4304859E-05  -1.1183755E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                              |
 |                                 Exe Time :24 May 2018       18:23:40                                                        |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
--------------------------------------------------------------------------------
   1 D   0.000     -3.0346E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4789     -2.8906E-03   2.314      0.5761       2.314       4.707          ACTIVE   0.000      -0.2000       1.818
1.000       1.000       2.394       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9790     -2.7465E-03   5.056       1.259       5.056       8.349          ACTIVE   0.000      -0.4000       3.636
1.000       1.000       4.895       0.000       0.000     Ug5_2_8_L_0
   4 D   1.488     -2.6026E-03   7.975       1.986       7.975       11.12          ACTIVE   0.000      -0.6000       5.455
1.000       1.000       7.440       0.000       0.000     Ug5_2_8_L_0
   5 D   2.015     -2.4586E-03   11.24       2.800       11.24       13.46          ACTIVE   0.000      -0.8000       7.273
1.000       1.000       10.07       0.000       0.000     Ug5_2_8_L_0
   6 D   2.541     -2.3149E-03   14.51       3.613       14.51       15.59          ACTIVE   0.000       -1.000       9.091
1.000       1.000       12.70       0.000       0.000     Ug5_2_8_L_0
   7 D   3.043     -2.1714E-03   17.29       4.305       17.29       17.61          ACTIVE   0.000       -1.200       10.91
1.000       1.000       15.21       0.000       0.000     Ug5_2_8_L_0
   8 D   3.540     -2.0284E-03   19.97       4.971       19.97       19.55          ACTIVE   0.000       -1.400       12.73
1.000       1.000       17.70       0.000       0.000     Ug5_2_8_L_0
   9 D   4.042     -1.8863E-03   22.74       5.663       22.74       21.42          ACTIVE   0.000       -1.600       14.55
1.000       1.000       20.21       0.000       0.000     Ug5_2_8_L_0
  10 D   4.533     -1.7455E-03   25.31       6.301       25.31       23.24          ACTIVE   0.000       -1.800       16.36
1.000       1.000       22.67       0.000       0.000     Ug5_2_8_L_0
  11 D   5.030     -1.6064E-03   27.99       6.969       27.99       24.99          ACTIVE   0.000       -2.000       18.18
1.000       1.000       25.15       0.000       0.000     Ug5_2_8_L_0
  12 D   5.520     -1.4697E-03   30.52       7.600       30.52       26.69          ACTIVE   0.000       -2.200       20.00
1.000       1.000       27.60       0.000       0.000     Ug5_2_8_L_0
  13 D   6.015     -1.3363E-03   33.17       8.258       33.17       28.34          ACTIVE   0.000       -2.400       21.82
1.000       1.000       30.08       0.000       0.000     Ug5_2_8_L_0
  14 D   6.505     -1.2070E-03   35.70       8.890       35.70       29.93          ACTIVE   0.000       -2.600       23.64
1.000       1.000       32.53       0.000       0.000     Ug5_2_8_L_0
  15 D   7.000     -1.0828E-03   38.34       9.547       38.34       31.47          ACTIVE   0.000       -2.800       25.45
1.000       1.000       35.00       0.000       0.000     Ug5_2_8_L_0
  16 D   7.491     -9.6432E-04   40.89       10.18       40.89       32.96          ACTIVE   0.000       -3.000       27.27
1.000       1.000       37.45       0.000       0.000     Ug5_2_8_L_0
  17 D   7.986     -8.5238E-04   43.53       10.84       43.53       34.40          ACTIVE   0.000       -3.200       29.09
1.000       1.000       39.93       0.000       0.000     Ug5_2_8_L_0
  18 D   8.477     -7.4752E-04   46.10       11.48       46.10       35.80          ACTIVE   0.000       -3.400       30.91
1.000       1.000       42.39       0.000       0.000     Ug5_2_8_L_0
  19 D   8.969     -6.5017E-04   48.67       12.12       48.67       37.15          ACTIVE   0.000       -3.600       32.73
1.000       1.000       44.85       0.000       0.000     Ug5_2_8_L_0
  20 D   9.465     -5.6062E-04   51.32       12.78       51.32       38.46          ACTIVE   0.000       -3.800       34.55
1.000       1.000       47.32       0.000       0.000     Ug5_2_8_L_0
  21 D   9.957     -4.7905E-04   53.90       13.42       53.90       39.73          ACTIVE   0.000       -4.000       36.36
1.000       1.000       49.79       0.000       0.000     Ug5_2_8_L_0
  22 D   10.45     -4.0552E-04   56.55       14.08       56.55       40.97          ACTIVE   0.000       -4.200       38.18
1.000       1.000       52.26       0.000       0.000     Ug5_2_8_L_0
  23 D   10.95     -3.3999E-04   59.14       14.73       59.14       42.17          ACTIVE   0.000       -4.400       40.00
1.000       1.000       54.73       0.000       0.000     Ug5_2_8_L_0
  24 D   11.44     -2.8230E-04   61.79       15.38       61.79       43.34          ACTIVE   0.000       -4.600       41.82
1.000       1.000       57.20       0.000       0.000     Ug5_2_8_L_0
  25 D   11.93     -2.3219E-04   64.37       16.03       64.37       44.48          ACTIVE   0.000       -4.800       43.64
1.000       1.000       59.66       0.000       0.000     Ug5_2_8_L_0
  26 D   13.27     -1.8928E-04   66.96       20.89       66.96       45.60           UL-RL  1.2410E+05  -5.000       45.45
1.000       1.000       66.35       0.000       0.000     Ug5_2_8_L_0
  27 D   14.76     -1.5314E-04   69.34       26.52       69.34       46.69           UL-RL  1.2410E+05  -5.200       47.27
1.000       1.000       73.79       0.000       0.000     Ug5_2_8_L_0
  28 D   16.09     -1.2320E-04   71.73       31.35       71.73       47.76           UL-RL  1.2410E+05  -5.400       49.09
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1.000	1.000	80.44	0.000	0.000	Ug5_2_8_L_0						
29 D	17.27	-9.8901E-05	74.13	35.46	74.13	48.81	UL-RL	1.2410E+05	-5.600	50.91	
1.000	1.000	86.37	0.000	0.000	Ug5_2_8_L_0						
30 D	18.33	-7.9621E-05	76.53	38.93	76.53	49.85	UL-RL	1.2410E+05	-5.800	52.73	
1.000	1.000	91.65	0.000	0.000	Ug5_2_8_L_0						
31 D	19.28	-6.4748E-05	78.93	41.83	78.93	50.86	UL-RL	1.2410E+05	-6.000	54.55	
1.000	1.000	96.38	0.000	0.000	Ug5_2_8_L_0						
32 D	20.12	-5.3681E-05	81.33	44.25	81.33	51.86	UL-RL	1.2410E+05	-6.200	56.36	
1.000	1.000	100.6	0.000	0.000	Ug5_2_8_L_0						
33 D	20.89	-4.5846E-05	83.74	46.26	83.74	52.85	UL-RL	1.2410E+05	-6.400	58.18	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
34 D	21.58	-4.0704E-05	86.38	47.92	86.38	53.82	UL-RL	1.2410E+05	-6.600	60.00	
1.000	1.000	107.9	0.000	0.000	Ug5_2_8_L_0						
35 D	22.22	-3.7761E-05	88.93	49.30	88.93	54.79	UL-RL	1.2410E+05	-6.800	61.82	
1.000	1.000	111.1	0.000	0.000	Ug5_2_8_L_0						
36 D	22.82	-3.6573E-05	92.04	50.46	92.04	55.74	UL-RL	1.2410E+05	-7.000	63.64	
1.000	1.000	114.1	0.000	0.000	Ug5_2_8_L_0						
37 D	23.38	-3.6745E-05	94.55	51.44	94.55	56.68	UL-RL	1.2410E+05	-7.200	65.45	
1.000	1.000	116.9	0.000	0.000	Ug5_2_8_L_0						
38 D	23.91	-3.7933E-05	97.59	52.29	97.59	57.62	UL-RL	1.2410E+05	-7.400	67.27	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
39 D	24.43	-3.9840E-05	100.1	53.05	100.1	58.55	UL-RL	1.2410E+05	-7.600	69.09	
1.000	1.000	122.1	0.000	0.000	Ug5_2_8_L_0						
40 D	24.93	-4.2220E-05	103.1	53.74	103.1	59.47	UL-RL	1.2410E+05	-7.800	70.91	
1.000	1.000	124.7	0.000	0.000	Ug5_2_8_L_0						
41 D	25.43	-4.4868E-05	106.0	54.40	106.0	60.38	UL-RL	1.2410E+05	-8.000	72.73	
1.000	1.000	127.1	0.000	0.000	Ug5_2_8_L_0						
42 D	25.92	-4.7616E-05	108.4	55.04	108.4	61.29	UL-RL	1.2410E+05	-8.200	74.55	
1.000	1.000	129.6	0.000	0.000	Ug5_2_8_L_0						
43 D	26.41	-5.0337E-05	111.4	55.69	111.4	62.20	UL-RL	1.2410E+05	-8.400	76.36	
1.000	1.000	132.0	0.000	0.000	Ug5_2_8_L_0						
44 D	26.90	-5.2931E-05	113.8	56.34	113.8	63.10	UL-RL	1.2410E+05	-8.600	78.18	
1.000	1.000	134.5	0.000	0.000	Ug5_2_8_L_0						
45 D	27.40	-5.5328E-05	116.6	57.02	116.6	64.00	UL-RL	1.2410E+05	-8.800	80.00	
1.000	1.000	137.0	0.000	0.000	Ug5_2_8_L_0						
46 D	27.91	-5.7480E-05	119.0	57.72	119.0	64.90	UL-RL	1.2410E+05	-9.000	81.82	
1.000	1.000	139.5	0.000	0.000	Ug5_2_8_L_0						
47 D	28.42	-5.9359E-05	121.9	58.46	121.9	65.79	UL-RL	1.2410E+05	-9.200	83.64	
1.000	1.000	142.1	0.000	0.000	Ug5_2_8_L_0						
48 D	28.94	-6.0953E-05	124.2	59.23	124.2	66.68	UL-RL	1.2410E+05	-9.400	85.45	
1.000	1.000	144.7	0.000	0.000	Ug5_2_8_L_0						
49 D	29.46	-6.2264E-05	127.0	60.04	127.0	67.57	UL-RL	1.2410E+05	-9.600	87.27	
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0						
50 D	29.99	-6.3305E-05	129.4	60.87	129.4	68.45	UL-RL	1.2410E+05	-9.800	89.09	
1.000	1.000	150.0	0.000	0.000	Ug5_2_8_L_0						
51 D	30.53	-6.4094E-05	132.2	61.74	132.2	69.34	UL-RL	1.2410E+05	-10.00	90.91	
1.000	1.000	152.6	0.000	0.000	Ug5_2_8_L_0						
52 D	31.07	-6.4656E-05	134.5	62.63	134.5	70.22	UL-RL	1.2410E+05	-10.20	92.73	
1.000	1.000	155.4	0.000	0.000	Ug5_2_8_L_0						
53 D	31.62	-6.5022E-05	137.3	63.55	137.3	71.11	UL-RL	1.2410E+05	-10.40	94.55	
1.000	1.000	158.1	0.000	0.000	Ug5_2_8_L_0						
54 D	32.17	-6.5220E-05	140.0	64.48	140.0	71.99	UL-RL	1.2410E+05	-10.60	96.36	
1.000	1.000	160.8	0.000	0.000	Ug5_2_8_L_0						
55 D	32.72	-6.5283E-05	142.3	65.44	142.3	72.87	UL-RL	1.2410E+05	-10.80	98.18	
1.000	1.000	163.6	0.000	0.000	Ug5_2_8_L_0						
56 D	33.28	-6.5241E-05	145.0	66.40	145.0	73.75	UL-RL	1.2410E+05	-11.00	100.00	
1.000	1.000	166.4	0.000	0.000	Ug5_2_8_L_0						
57 D	33.84	-6.5121E-05	147.3	67.38	147.3	74.64	UL-RL	1.2410E+05	-11.20	101.8	
1.000	1.000	169.2	0.000	0.000	Ug5_2_8_L_0						
58 D	34.40	-6.4949E-05	150.0	68.36	150.0	75.52	UL-RL	1.2410E+05	-11.40	103.6	
1.000	1.000	172.0	0.000	0.000	Ug5_2_8_L_0						
59 D	34.96	-6.4746E-05	152.3	69.34	152.3	76.40	UL-RL	1.2410E+05	-11.60	105.5	
1.000	1.000	174.8	0.000	0.000	Ug5_2_8_L_0						
60 D	35.52	-6.4528E-05	155.0	70.33	155.0	77.28	UL-RL	1.2410E+05	-11.80	107.3	
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0						
61 D	18.04	-6.4305E-05	157.3	71.32	157.3	78.16	UL-RL	1.2410E+05	-12.00	109.1	
1.000	1.000	180.4	0.000	0.000	Ug5_2_8_L_0						

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 +-----------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                              |
 |                                 Exe Time :24 May 2018       18:23:40                                                        |
 +-----------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      1.6064E-03   0.000       0.000       20.00       26.29         PASSIVE   0.000       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.887      1.4697E-03   1.818       12.25       22.00       27.64         PASSIVE   0.000       -2.200       2.182
1.000       1.000       14.43       0.000       0.000     Ug5_2_8_L_0
  13 D   5.773      1.3363E-03   3.636       24.50       24.00       28.97         PASSIVE   0.000       -2.400       4.364
1.000       1.000       28.87       0.000       0.000     Ug5_2_8_L_0
  14 D   8.660      1.2070E-03   5.455       36.75       26.00       36.75         PASSIVE   0.000       -2.600       6.545
1.000       1.000       43.30       0.000       0.000     Ug5_2_8_L_0
  15 D   11.55      1.0828E-03   7.273       49.00       28.00       49.00         PASSIVE   0.000       -2.800       8.727
1.000       1.000       57.73       0.000       0.000     Ug5_2_8_L_0
  16 D   12.28      9.6432E-04   9.091       50.51       30.00       50.51             V-C   2.0566E+04  -3.000       10.91
1.000       1.000       61.42       0.000       0.000     Ug5_2_8_L_0
  17 D   12.53      8.5238E-04   10.91       49.58       32.00       49.58             V-C   2.0566E+04  -3.200       13.09
1.000       1.000       62.67       0.000       0.000     Ug5_2_8_L_0
  18 D   12.80      7.4752E-04   12.73       48.75       34.00       48.75             V-C   2.0566E+04  -3.400       15.27
1.000       1.000       64.02       0.000       0.000     Ug5_2_8_L_0
  19 D   13.10      6.5017E-04   14.55       48.03       36.00       48.03             V-C   2.0566E+04  -3.600       17.45
1.000       1.000       65.49       0.000       0.000     Ug5_2_8_L_0
  20 D   13.42      5.6062E-04   16.36       47.44       38.00       47.44             V-C   2.0566E+04  -3.800       19.64
1.000       1.000       67.08       0.000       0.000     Ug5_2_8_L_0
  21 D   13.76      4.7905E-04   18.18       46.98       40.00       46.98             V-C   2.0566E+04  -4.000       21.82
1.000       1.000       68.80       0.000       0.000     Ug5_2_8_L_0
  22 D   14.13      4.0552E-04   20.00       46.65       42.00       46.65             V-C   2.0566E+04  -4.200       24.00
1.000       1.000       70.65       0.000       0.000     Ug5_2_8_L_0
  23 D   14.53      3.3999E-04   21.82       46.45       44.00       46.45             V-C   2.0566E+04  -4.400       26.18
1.000       1.000       72.63       0.000       0.000     Ug5_2_8_L_0
  24 D   14.95      2.8230E-04   23.64       46.38       46.00       46.38             V-C   2.0566E+04  -4.600       28.36
1.000       1.000       74.74       0.000       0.000     Ug5_2_8_L_0
  25 D   15.40      2.3219E-04   25.45       46.44       48.00       46.44             V-C   2.0566E+04  -4.800       30.55
1.000       1.000       76.99       0.000       0.000     Ug5_2_8_L_0
  26 D   15.87      1.8928E-04   27.27       46.63       50.00       46.63             V-C   2.0566E+04  -5.000       32.73
1.000       1.000       79.35       0.000       0.000     Ug5_2_8_L_0
  27 D   16.37      1.5314E-04   29.09       46.93       52.00       46.93             V-C   2.0566E+04  -5.200       34.91
1.000       1.000       81.84       0.000       0.000     Ug5_2_8_L_0
  28 D   16.88      1.2320E-04   30.91       47.33       54.00       47.33             V-C   2.0566E+04  -5.400       37.09
```

1.000	1.000	84.42	0.000	0.000	Ug5_2_8_L_0						
29 D	17.42	9.8901E-05	32.73	47.83	56.00	47.83	V-C	2.0566E+04	-5.600	39.27	
1.000	1.000	87.10	0.000	0.000	Ug5_2_8_L_0						
30 D	17.91	7.9621E-05	34.55	48.07	58.00	48.59	UL-RL	6.1699E+04	-5.800	41.45	
1.000	1.000	89.53	0.000	0.000	Ug5_2_8_L_0						
31 D	18.35	6.4748E-05	36.36	48.11	60.00	49.56	UL-RL	6.1699E+04	-6.000	43.64	
1.000	1.000	91.75	0.000	0.000	Ug5_2_8_L_0						
32 D	18.84	5.3681E-05	38.18	48.36	62.00	50.51	UL-RL	6.1699E+04	-6.200	45.82	
1.000	1.000	94.18	0.000	0.000	Ug5_2_8_L_0						
33 D	19.36	4.5846E-05	40.00	48.79	64.00	51.46	UL-RL	6.1699E+04	-6.400	48.00	
1.000	1.000	96.79	0.000	0.000	Ug5_2_8_L_0						
34 D	19.91	4.0704E-05	41.82	49.37	66.00	52.39	UL-RL	6.1699E+04	-6.600	50.18	
1.000	1.000	99.55	0.000	0.000	Ug5_2_8_L_0						
35 D	20.49	3.7761E-05	43.64	50.07	68.00	53.31	UL-RL	6.1699E+04	-6.800	52.36	
1.000	1.000	102.4	0.000	0.000	Ug5_2_8_L_0						
36 D	21.08	3.6573E-05	45.45	50.87	70.00	54.22	UL-RL	6.1699E+04	-7.000	54.55	
1.000	1.000	105.4	0.000	0.000	Ug5_2_8_L_0						
37 D	21.69	3.6745E-05	47.27	51.74	72.00	55.12	UL-RL	6.1699E+04	-7.200	56.73	
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0						
38 D	22.31	3.7933E-05	49.09	52.67	74.00	56.01	UL-RL	6.1699E+04	-7.400	58.91	
1.000	1.000	111.6	0.000	0.000	Ug5_2_8_L_0						
39 D	22.94	3.9840E-05	50.91	53.62	76.00	56.89	UL-RL	6.1699E+04	-7.600	61.09	
1.000	1.000	114.7	0.000	0.000	Ug5_2_8_L_0						
40 D	23.58	4.2220E-05	52.73	54.60	78.00	57.77	UL-RL	6.1699E+04	-7.800	63.27	
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.21	4.4868E-05	54.55	55.59	80.00	58.64	UL-RL	6.1699E+04	-8.000	65.45	
1.000	1.000	121.0	0.000	0.000	Ug5_2_8_L_0						
42 D	24.84	4.7616E-05	56.36	56.58	82.00	59.51	UL-RL	6.1699E+04	-8.200	67.64	
1.000	1.000	124.2	0.000	0.000	Ug5_2_8_L_0						
43 D	25.48	5.0337E-05	58.18	57.56	84.00	60.37	UL-RL	6.1699E+04	-8.400	69.82	
1.000	1.000	127.4	0.000	0.000	Ug5_2_8_L_0						
44 D	26.10	5.2931E-05	60.00	58.52	86.00	61.23	UL-RL	6.1699E+04	-8.600	72.00	
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0						
45 D	26.73	5.5328E-05	61.82	59.47	88.00	62.09	UL-RL	6.1699E+04	-8.800	74.18	
1.000	1.000	133.7	0.000	0.000	Ug5_2_8_L_0						
46 D	27.35	5.7480E-05	63.64	60.41	90.00	62.94	UL-RL	6.1699E+04	-9.000	76.36	
1.000	1.000	136.8	0.000	0.000	Ug5_2_8_L_0						
47 D	27.97	5.9359E-05	65.45	61.32	92.00	63.79	UL-RL	6.1699E+04	-9.200	78.55	
1.000	1.000	139.9	0.000	0.000	Ug5_2_8_L_0						
48 D	28.59	6.0953E-05	67.27	62.21	94.00	64.64	UL-RL	6.1699E+04	-9.400	80.73	
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0						
49 D	29.20	6.2264E-05	69.09	63.08	96.00	65.48	UL-RL	6.1699E+04	-9.600	82.91	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
50 D	29.80	6.3305E-05	70.91	63.93	98.00	66.32	UL-RL	6.1699E+04	-9.800	85.09	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
51 D	30.41	6.4094E-05	72.73	64.77	100.00	67.17	UL-RL	6.1699E+04	-10.00	87.27	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
52 D	31.01	6.4656E-05	74.55	65.58	102.0	68.01	UL-RL	6.1699E+04	-10.20	89.45	
1.000	1.000	155.0	0.000	0.000	Ug5_2_8_L_0						
53 D	31.61	6.5022E-05	76.36	66.39	104.0	68.85	UL-RL	6.1699E+04	-10.40	91.64	
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0						
54 D	32.20	6.5220E-05	78.18	67.19	106.0	69.69	UL-RL	6.1699E+04	-10.60	93.82	
1.000	1.000	161.0	0.000	0.000	Ug5_2_8_L_0						
55 D	32.79	6.5283E-05	80.00	67.97	108.0	70.52	UL-RL	6.1699E+04	-10.80	96.00	
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0						
56 D	33.39	6.5241E-05	81.82	68.75	110.0	71.36	UL-RL	6.1699E+04	-11.00	98.18	
1.000	1.000	166.9	0.000	0.000	Ug5_2_8_L_0						
57 D	33.98	6.5121E-05	83.64	69.52	112.0	72.20	UL-RL	6.1699E+04	-11.20	100.4	
1.000	1.000	169.9	0.000	0.000	Ug5_2_8_L_0						
58 D	34.57	6.4949E-05	85.45	70.29	114.0	73.04	UL-RL	6.1699E+04	-11.40	102.5	
1.000	1.000	172.8	0.000	0.000	Ug5_2_8_L_0						
59 D	35.16	6.4746E-05	87.27	71.06	116.0	73.88	UL-RL	6.1699E+04	-11.60	104.7	
1.000	1.000	175.8	0.000	0.000	Ug5_2_8_L_0						
60 D	35.75	6.4528E-05	89.09	71.83	118.0	74.72	UL-RL	6.1699E+04	-11.80	106.9	
1.000	1.000	178.7	0.000	0.000	Ug5_2_8_L_0						
61 D	18.17	6.4305E-05	90.91	72.60	120.0	75.56	UL-RL	6.1699E+04	-12.00	109.1	
1.000	1.000	181.7	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T    T I M E    I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.03363E-10-1.03363E-10 1.04248E-11-2.39359E-13
    2 0.47885    -0.47885     5.33706E-12 9.57703E-02
    3  1.4579     -1.4579    -9.57703E-02 0.38735
    4  2.9460     -2.9460    -0.38735     0.97654
    5  4.9605     -4.9605    -0.97654      1.9686
    6  7.5013     -7.5013     -1.9686      3.4689
    7  10.544     -10.544     -3.4689      5.5777
    8  14.084     -14.084     -5.5777      8.3945
    9  18.126     -18.126     -8.3945      12.020
   10  22.659     -22.659     -12.020      16.551
   11  27.689     -27.689     -16.551      22.089
   12  30.322     -30.322     -22.089      28.154
   13  30.564     -30.564     -28.154      34.266
   14  28.410     -28.410     -34.266      39.948
   15  23.864     -23.864     -39.948      44.721
   16  19.071     -19.071     -44.721      48.535
   17  14.523     -14.523     -48.535      51.440
   18  10.195     -10.195     -51.440      53.479
   19  6.0669     -6.0669     -53.479      54.692
   20  2.1162     -2.1162     -54.692      55.116
   21 -1.6858      1.6858     -55.116      54.778
   22 -5.3622      5.3622     -54.778      53.706
   23 -8.9427      8.9427     -53.706      51.917
   24 -12.451      12.451     -51.917      49.427
   25 -15.915      15.915     -49.427      46.244
   26 -18.517      18.517     -46.244      42.541
   27 -20.125      20.125     -42.541      38.516
   28 -20.921      20.921     -38.516      34.332
   29 -21.068      21.068     -34.332      30.118
   30 -20.643      20.643     -30.118      25.990
   31 -19.717      19.717     -25.990      22.046
   32 -18.429      18.429     -22.046      18.360
   33 -16.900      16.900     -18.360      14.980
   34 -15.226      15.226     -14.980      11.935
   35 -13.490      13.490     -11.935      9.2372
   36 -11.754      11.754     -9.2372      6.8863
   37 -10.069      10.069     -6.8863      4.8724
   38 -8.4715      8.4715     -4.8724      3.1781
   39 -6.9864      6.9864     -3.1781      1.7808
   40 -5.6308      5.6308     -1.7808     0.65466
   41 -4.4140      4.4140    -0.65466    -0.22814
   42 -3.3389      3.3389     0.22814    -0.89593
   43 -2.4041      2.4041     0.89593     -1.3768
   44 -1.6044      1.6044      1.3768     -1.6976
   45-0.93194     0.93194      1.6976     -1.8840
   46-0.37743     0.37743      1.8840     -1.9595
   47 6.95628E-02-6.95628E-02  1.9595     -1.9456
   48 0.41979    -0.41979      1.9456     -1.8616
   49 0.68391    -0.68391      1.8616     -1.7248
   50 0.87211    -0.87211      1.7248     -1.5504
   51 0.99381    -0.99381      1.5504     -1.3517
   52  1.0575     -1.0575      1.3517     -1.1402
   53  1.0705     -1.0705      1.1402    -0.92608
   54  1.0391     -1.0391     0.92608    -0.71827
   55 0.96829    -0.96829     0.71827    -0.52461
   56 0.86210    -0.86210     0.52461    -0.35219
   57 0.72338    -0.72338     0.35219    -0.20751
   58 0.55410    -0.55410     0.20751    -9.66927E-02
   59 0.35545    -0.35545     9.66927E-02-2.56030E-02
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   60 0.12801    -0.12801     2.56030E-02-2.76043E-13

ITER     0 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6771E+05 RIMNOR=0.8217E+05
           RENORM= 4228.     REMNOR=0.3494E-21 RATIO =0.2499     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 55.12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6771E+05 RDR   =0.8217E+05
           RATIOT=0.2499     RATIOR= 0.000
           MAX UN= 11.40     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           MIN UN=-59.87     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6771E+05 RIMNOR=0.8217E+05
           RENORM=0.7274     REMNOR=0.5863E-21 RATIO =0.3278E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 55.12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6771E+05 RDR   =0.8217E+05
           RATIOT=0.3278E-02 RATIOR= 0.000
           MAX UN=0.6305     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           MIN UN=-.1331E-09 IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.6771E+05 RIMNOR=0.8217E+05
           RENORM=0.2463E-18 REMNOR=0.5442E-21 RATIO =0.1907E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 72.00     RMMAX = 55.12
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.6771E+05 RDR   =0.8217E+05
           RATIOT=0.1907E-11 RATIOR= 0.000
           MAX UN=0.1950E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           MIN UN=-.2078E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0025560E-03  -7.3976917E-04
    2   2.8546022E-03  -7.3976917E-04
    3   2.7066536E-03  -7.3969139E-04
    4   2.5587439E-03  -7.3933968E-04
    5   2.4109545E-03  -7.3843607E-04
    6   2.2634304E-03  -7.3661895E-04
    7   2.1163975E-03  -7.3344202E-04
    8   1.9701795E-03  -7.2837643E-04
    9   1.8252135E-03  -7.2081350E-04
   10   1.6820664E-03  -7.1006565E-04
   11   1.5414505E-03  -6.9536792E-04
   12   1.4042386E-03  -6.7588001E-04
   13   1.2714788E-03  -6.5068837E-04
   14   1.1444091E-03  -6.1880902E-04
   15   1.0243736E-03  -5.8065373E-04
   16   9.1254272E-04  -5.3657153E-04
   17   8.0986658E-04  -4.9065728E-04
   18   7.1612003E-04  -4.4713193E-04
   19   6.3090162E-04  -4.0528945E-04
   20   5.5391401E-04  -3.6480056E-04
   21   4.8489125E-04  -3.2566884E-04
   22   4.2354547E-04  -2.8805741E-04
   23   3.6955470E-04  -2.5214982E-04
   24   3.2255925E-04  -2.1813665E-04
   25   2.8216045E-04  -1.8621737E-04
   26   2.4791868E-04  -1.5660251E-04
   27   2.1935105E-04  -1.2951569E-04
   28   1.9593242E-04  -1.0513086E-04
   29   1.7711368E-04  -8.3521391E-05
   30   1.6233928E-04  -6.4680617E-05
   31   1.5106171E-04  -4.8535733E-05
   32   1.4275407E-04  -3.4955134E-05
   33   1.3692065E-04  -2.3760305E-05
   34   1.3310484E-04  -1.4742118E-05
   35   1.3089381E-04  -7.6737935E-06
   36   1.2992091E-04  -2.3217210E-06
   37   1.2986617E-04   1.5460330E-06
   38   1.3045529E-04   4.1532974E-06
   39   1.3145751E-04   5.7109111E-06
   40   1.3268265E-04   6.4135134E-06
   41   1.3397767E-04   6.4374639E-06
   42   1.3522286E-04   5.9397981E-06
   43   1.3632798E-04   5.0579935E-06
   44   1.3722834E-04   3.9103666E-06
   45   1.3788107E-04   2.5969464E-06
   46   1.3826159E-04   1.2006479E-06
   47   1.3836029E-04  -2.1127250E-07
   48   1.3817958E-04  -1.5857081E-06
   49   1.3773121E-04  -2.8821231E-06
   50   1.3703390E-04  -4.0709998E-06
   51   1.3611131E-04  -5.1323889E-06
   52   1.3499020E-04  -6.0545340E-06
   53   1.3369914E-04  -6.8325480E-06
   54   1.3226678E-04  -7.4676213E-06
   55   1.3072122E-04  -7.9657816E-06
   56   1.2908890E-04  -8.3373315E-06
   57   1.2739380E-04  -8.5962115E-06
   58   1.2565679E-04  -8.7595506E-06
   59   1.2389502E-04  -8.8473471E-06
   60   1.2212138E-04  -8.8822602E-06
   61   1.2034387E-04  -8.8894900E-06
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 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.0026E-03   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.063     -2.8546E-03   2.417       3.603       2.417       4.707           UL-RL  8.2735E+04 -0.2000       1.714
1.000       1.000       5.317       0.000       0.000     Ug5_2_8_L_0
   3 D   1.618     -2.7067E-03   5.263       4.663       5.263       8.349           UL-RL  8.2735E+04 -0.4000       3.429
1.000       1.000       8.092       0.000       0.000     Ug5_2_8_L_0
   4 D   2.182     -2.5587E-03   8.287       5.767       8.287       11.12           UL-RL  8.2735E+04 -0.6000       5.143
1.000       1.000       10.91       0.000       0.000     Ug5_2_8_L_0
   5 D   2.762     -2.4110E-03   11.66       6.952       11.66       13.46           UL-RL  8.2735E+04 -0.8000       6.857
1.000       1.000       13.81       0.000       0.000     Ug5_2_8_L_0
   6 D   3.340     -2.2634E-03   15.03       8.128       15.03       15.59           UL-RL  8.2735E+04  -1.000       8.571
1.000       1.000       16.70       0.000       0.000     Ug5_2_8_L_0
   7 D   3.890     -2.1164E-03   17.91       9.167       17.91       17.61           UL-RL  8.2735E+04  -1.200       10.29
1.000       1.000       19.45       0.000       0.000     Ug5_2_8_L_0
   8 D   4.431     -1.9702E-03   20.69       10.16       20.69       19.55           UL-RL  8.2735E+04  -1.400       12.00
1.000       1.000       22.16       0.000       0.000     Ug5_2_8_L_0
   9 D   4.970     -1.8252E-03   23.57       11.13       23.57       21.42           UL-RL  8.2735E+04  -1.600       13.71
1.000       1.000       24.85       0.000       0.000     Ug5_2_8_L_0
  10 D   5.488     -1.6821E-03   26.24       12.01       26.24       23.24           UL-RL  8.2735E+04  -1.800       15.43
1.000       1.000       27.44       0.000       0.000     Ug5_2_8_L_0
  11 D   6.000     -1.5415E-03   29.03       12.86       29.03       24.99           UL-RL  8.2735E+04  -2.000       17.14
1.000       1.000       30.00       0.000       0.000     Ug5_2_8_L_0
  12 D   6.489     -1.4042E-03   31.66       13.59       31.66       26.69           UL-RL  8.2735E+04  -2.200       18.86
1.000       1.000       32.45       0.000       0.000     Ug5_2_8_L_0
  13 D   6.964     -1.2715E-03   34.41       14.25       34.41       28.34           UL-RL  8.2735E+04  -2.400       20.57
1.000       1.000       34.82       0.000       0.000     Ug5_2_8_L_0
  14 D   7.407     -1.1444E-03   37.05       14.75       37.05       29.93           UL-RL  8.2735E+04  -2.600       22.29
1.000       1.000       37.03       0.000       0.000     Ug5_2_8_L_0
  15 D   7.821     -1.0244E-03   39.80       15.11       39.80       31.47           UL-RL  8.2735E+04  -2.800       24.00
1.000       1.000       39.11       0.000       0.000     Ug5_2_8_L_0
  16 D   8.192     -9.1254E-04   42.45       15.24       42.45       32.96           UL-RL  8.2735E+04  -3.000       25.71
1.000       1.000       40.96       0.000       0.000     Ug5_2_8_L_0
  17 D   8.523     -8.0987E-04   45.19       15.19       45.19       34.40           UL-RL  8.2735E+04  -3.200       27.43
1.000       1.000       42.62       0.000       0.000     Ug5_2_8_L_0
  18 D   8.820     -7.1612E-04   47.86       14.96       47.86       35.80           UL-RL  8.2735E+04  -3.400       29.14
1.000       1.000       44.10       0.000       0.000     Ug5_2_8_L_0
  19 D   9.101     -6.3090E-04   50.54       14.65       50.54       37.15           UL-RL  8.2735E+04  -3.600       30.86
1.000       1.000       45.51       0.000       0.000     Ug5_2_8_L_0
  20 D   9.378     -5.5391E-04   53.29       14.32       53.29       38.46           UL-RL  8.2735E+04  -3.800       32.57
1.000       1.000       46.89       0.000       0.000     Ug5_2_8_L_0
  21 D   9.653     -4.8489E-04   55.98       13.98       55.98       39.73           UL-RL  8.2735E+04  -4.000       34.29
1.000       1.000       48.26       0.000       0.000     Ug5_2_8_L_0
  22 D   10.12     -4.2355E-04   58.73       14.62       58.73       40.97         ACTIVE   0.000       -4.200       36.00
1.000       1.000       50.62       0.000       0.000     Ug5_2_8_L_0
  23 D   10.60     -3.6955E-04   61.43       15.29       61.43       42.17         ACTIVE   0.000       -4.400       37.71
1.000       1.000       53.01       0.000       0.000     Ug5_2_8_L_0
  24 D   11.08     -3.2256E-04   64.17       15.98       64.17       43.34         ACTIVE   0.000       -4.600       39.43
1.000       1.000       55.41       0.000       0.000     Ug5_2_8_L_0
  25 D   11.56     -2.8216E-04   66.87       16.65       66.87       44.48         ACTIVE   0.000       -4.800       41.14
1.000       1.000       57.79       0.000       0.000     Ug5_2_8_L_0
  26 D   12.04     -2.4792E-04   69.56       17.34       69.56       45.60           UL-RL  8.2735E+04  -5.000       42.86
1.000       1.000       60.20       0.000       0.000     Ug5_2_8_L_0
  27 D   13.39     -2.1935E-04   72.04       22.39       72.04       46.69           UL-RL  8.2735E+04  -5.200       44.57
1.000       1.000       66.96       0.000       0.000     Ug5_2_8_L_0
  28 D   14.60     -1.9593E-04   74.54       26.74       74.54       47.76           UL-RL  8.2735E+04  -5.400       46.29
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1.000	1.000	73.02	0.000	0.000	Ug5_2_8_L_0						
29 D	15.69	-1.7711E-04	77.03	30.44	77.03	48.81	UL-RL	8.2735E+04	-5.600	48.00	
1.000	1.000	78.44	0.000	0.000	Ug5_2_8_L_0						
30 D	16.66	-1.6234E-04	79.54	33.59	79.54	49.85	UL-RL	8.2735E+04	-5.800	49.71	
1.000	1.000	83.30	0.000	0.000	Ug5_2_8_L_0						
31 D	17.54	-1.5106E-04	82.05	36.25	82.05	50.86	UL-RL	8.2735E+04	-6.000	51.43	
1.000	1.000	87.68	0.000	0.000	Ug5_2_8_L_0						
32 D	18.33	-1.4275E-04	84.55	38.49	84.55	51.86	UL-RL	8.2735E+04	-6.200	53.14	
1.000	1.000	91.63	0.000	0.000	Ug5_2_8_L_0						
33 D	19.05	-1.3692E-04	87.06	40.38	87.06	52.85	UL-RL	8.2735E+04	-6.400	54.86	
1.000	1.000	95.24	0.000	0.000	Ug5_2_8_L_0						
34 D	19.71	-1.3310E-04	89.81	41.99	89.81	53.82	UL-RL	8.2735E+04	-6.600	56.57	
1.000	1.000	98.56	0.000	0.000	Ug5_2_8_L_0						
35 D	20.33	-1.3089E-04	92.46	43.36	92.46	54.79	UL-RL	8.2735E+04	-6.800	58.29	
1.000	1.000	101.6	0.000	0.000	Ug5_2_8_L_0						
36 D	20.91	-1.2992E-04	95.67	44.55	95.67	55.74	UL-RL	8.2735E+04	-7.000	60.00	
1.000	1.000	104.6	0.000	0.000	Ug5_2_8_L_0						
37 D	21.46	-1.2987E-04	98.29	45.61	98.29	56.68	UL-RL	8.2735E+04	-7.200	61.71	
1.000	1.000	107.3	0.000	0.000	Ug5_2_8_L_0						
38 D	22.00	-1.3046E-04	101.4	46.56	101.4	57.62	UL-RL	8.2735E+04	-7.400	63.43	
1.000	1.000	110.0	0.000	0.000	Ug5_2_8_L_0						
39 D	22.52	-1.3146E-04	104.0	47.44	104.0	58.55	UL-RL	8.2735E+04	-7.600	65.14	
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0						
40 D	23.03	-1.3268E-04	107.1	48.29	107.1	59.47	UL-RL	8.2735E+04	-7.800	66.86	
1.000	1.000	115.1	0.000	0.000	Ug5_2_8_L_0						
41 D	23.54	-1.3398E-04	110.2	49.11	110.2	60.38	UL-RL	8.2735E+04	-8.000	68.57	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
42 D	24.04	-1.3522E-04	112.7	49.93	112.7	61.29	UL-RL	8.2735E+04	-8.200	70.29	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
43 D	24.55	-1.3633E-04	115.7	50.75	115.7	62.20	UL-RL	8.2735E+04	-8.400	72.00	
1.000	1.000	122.8	0.000	0.000	Ug5_2_8_L_0						
44 D	25.06	-1.3723E-04	118.2	51.60	118.2	63.10	UL-RL	8.2735E+04	-8.600	73.71	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
45 D	25.58	-1.3788E-04	121.2	52.47	121.2	64.00	UL-RL	8.2735E+04	-8.800	75.43	
1.000	1.000	127.9	0.000	0.000	Ug5_2_8_L_0						
46 D	26.10	-1.3826E-04	123.7	53.38	123.7	64.90	UL-RL	8.2735E+04	-9.000	77.14	
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0						
47 D	26.63	-1.3836E-04	126.6	54.31	126.6	65.79	UL-RL	8.2735E+04	-9.200	78.86	
1.000	1.000	133.2	0.000	0.000	Ug5_2_8_L_0						
48 D	27.17	-1.3818E-04	129.1	55.28	129.1	66.68	UL-RL	8.2735E+04	-9.400	80.57	
1.000	1.000	135.9	0.000	0.000	Ug5_2_8_L_0						
49 D	27.71	-1.3773E-04	132.0	56.29	132.0	67.57	UL-RL	8.2735E+04	-9.600	82.29	
1.000	1.000	138.6	0.000	0.000	Ug5_2_8_L_0						
50 D	28.26	-1.3703E-04	134.5	57.32	134.5	68.45	UL-RL	8.2735E+04	-9.800	84.00	
1.000	1.000	141.3	0.000	0.000	Ug5_2_8_L_0						
51 D	28.82	-1.3611E-04	137.4	58.38	137.4	69.34	UL-RL	8.2735E+04	-10.00	85.71	
1.000	1.000	144.1	0.000	0.000	Ug5_2_8_L_0						
52 D	29.38	-1.3499E-04	139.8	59.46	139.8	70.22	UL-RL	8.2735E+04	-10.20	87.43	
1.000	1.000	146.9	0.000	0.000	Ug5_2_8_L_0						
53 D	29.94	-1.3370E-04	142.7	60.57	142.7	71.11	UL-RL	8.2735E+04	-10.40	89.14	
1.000	1.000	149.7	0.000	0.000	Ug5_2_8_L_0						
54 D	30.51	-1.3227E-04	145.5	61.69	145.5	71.99	UL-RL	8.2735E+04	-10.60	90.86	
1.000	1.000	152.5	0.000	0.000	Ug5_2_8_L_0						
55 D	31.08	-1.3072E-04	147.9	62.83	147.9	72.87	UL-RL	8.2735E+04	-10.80	92.57	
1.000	1.000	155.4	0.000	0.000	Ug5_2_8_L_0						
56 D	31.65	-1.2909E-04	150.7	63.98	150.7	73.75	UL-RL	8.2735E+04	-11.00	94.29	
1.000	1.000	158.3	0.000	0.000	Ug5_2_8_L_0						
57 D	32.23	-1.2739E-04	153.2	65.13	153.2	74.64	UL-RL	8.2735E+04	-11.20	96.00	
1.000	1.000	161.1	0.000	0.000	Ug5_2_8_L_0						
58 D	32.80	-1.2566E-04	155.9	66.30	155.9	75.52	UL-RL	8.2735E+04	-11.40	97.71	
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0						
59 D	33.38	-1.2390E-04	158.4	67.46	158.4	76.40	UL-RL	8.2735E+04	-11.60	99.43	
1.000	1.000	166.9	0.000	0.000	Ug5_2_8_L_0						
60 D	33.95	-1.2212E-04	161.1	68.63	161.1	77.28	UL-RL	8.2735E+04	-11.80	101.1	
1.000	1.000	169.8	0.000	0.000	Ug5_2_8_L_0						
61 D	17.27	-1.2034E-04	163.5	69.80	163.5	78.16	UL-RL	8.2735E+04	-12.00	102.9	
1.000	1.000	172.7	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                              |
 |                                 Exe Time :24 May 2018       18:23:40                                                        |
 +-----------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      9.1254E-04   0.000       0.000       30.00       50.51       PASSIVE   0.000      -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.418      8.0987E-04   1.714       9.802       32.00       49.58         UL-RL  4.1133E+04  -3.200       2.286
1.000       1.000       12.09       0.000       0.000     Ug5_2_8_L_0
  18 D   5.276      7.1612E-04   3.429       21.81       34.00       48.75         UL-RL  4.1133E+04  -3.400       4.571
1.000       1.000       26.38       0.000       0.000     Ug5_2_8_L_0
  19 D   8.143      6.3090E-04   5.143       33.86       36.00       48.03         UL-RL  4.1133E+04  -3.600       6.857
1.000       1.000       40.72       0.000       0.000     Ug5_2_8_L_0
  20 D   10.38      5.5391E-04   6.857       42.77       38.00       47.44         UL-RL  4.1133E+04  -3.800       9.143
1.000       1.000       51.91       0.000       0.000     Ug5_2_8_L_0
  21 D   10.88      4.8489E-04   8.571       42.99       40.00       46.98         UL-RL  4.1133E+04  -4.000       11.43
1.000       1.000       54.42       0.000       0.000     Ug5_2_8_L_0
  22 D   11.40      4.2355E-04   10.29       43.29       42.00       46.65         UL-RL  4.1133E+04  -4.200       13.71
1.000       1.000       57.00       0.000       0.000     Ug5_2_8_L_0
  23 D   11.93      3.6955E-04   12.00       43.66       44.00       46.45         UL-RL  4.1133E+04  -4.400       16.00
1.000       1.000       59.66       0.000       0.000     Ug5_2_8_L_0
  24 D   12.48      3.2256E-04   13.71       44.11       46.00       46.38         UL-RL  4.1133E+04  -4.600       18.29
1.000       1.000       62.39       0.000       0.000     Ug5_2_8_L_0
  25 D   13.04      2.8216E-04   15.43       44.63       48.00       46.44         UL-RL  4.1133E+04  -4.800       20.57
1.000       1.000       65.20       0.000       0.000     Ug5_2_8_L_0
  26 D   13.61      2.4792E-04   17.14       45.21       50.00       46.63         UL-RL  4.1133E+04  -5.000       22.86
1.000       1.000       68.07       0.000       0.000     Ug5_2_8_L_0
  27 D   14.20      2.1935E-04   18.86       45.86       52.00       46.93         UL-RL  4.1133E+04  -5.200       25.14
1.000       1.000       71.00       0.000       0.000     Ug5_2_8_L_0
  28 D   14.80      1.9593E-04   20.57       46.56       54.00       47.33         UL-RL  4.1133E+04  -5.400       27.43
```

1.000	1.000	73.99	0.000	0.000	Ug5_2_8_L_0						
29 D	15.40	1.7711E-04	22.29	47.31	56.00	47.83	UL-RL	4.1133E+04	-5.600	29.71	
1.000	1.000	77.02	0.000	0.000	Ug5_2_8_L_0						
30 D	15.95	1.6234E-04	24.00	47.75	58.00	48.59	UL-RL	4.1133E+04	-5.800	32.00	
1.000	1.000	79.75	0.000	0.000	Ug5_2_8_L_0						
31 D	16.45	1.5106E-04	25.71	47.94	60.00	49.56	UL-RL	4.1133E+04	-6.000	34.29	
1.000	1.000	82.23	0.000	0.000	Ug5_2_8_L_0						
32 D	16.98	1.4275E-04	27.43	48.31	62.00	50.51	UL-RL	4.1133E+04	-6.200	36.57	
1.000	1.000	84.88	0.000	0.000	Ug5_2_8_L_0						
33 D	17.54	1.3692E-04	29.14	48.83	64.00	51.46	UL-RL	4.1133E+04	-6.400	38.86	
1.000	1.000	87.69	0.000	0.000	Ug5_2_8_L_0						
34 D	18.12	1.3310E-04	30.86	49.47	66.00	52.39	UL-RL	4.1133E+04	-6.600	41.14	
1.000	1.000	90.61	0.000	0.000	Ug5_2_8_L_0						
35 D	18.73	1.3089E-04	32.57	50.20	68.00	53.31	UL-RL	4.1133E+04	-6.800	43.43	
1.000	1.000	93.63	0.000	0.000	Ug5_2_8_L_0						
36 D	19.34	1.2992E-04	34.29	51.00	70.00	54.22	UL-RL	4.1133E+04	-7.000	45.71	
1.000	1.000	96.72	0.000	0.000	Ug5_2_8_L_0						
37 D	19.97	1.2987E-04	36.00	51.86	72.00	55.12	UL-RL	4.1133E+04	-7.200	48.00	
1.000	1.000	99.86	0.000	0.000	Ug5_2_8_L_0						
38 D	20.61	1.3046E-04	37.71	52.75	74.00	56.01	UL-RL	4.1133E+04	-7.400	50.29	
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0						
39 D	21.25	1.3146E-04	39.43	53.66	76.00	56.89	UL-RL	4.1133E+04	-7.600	52.57	
1.000	1.000	106.2	0.000	0.000	Ug5_2_8_L_0						
40 D	21.89	1.3268E-04	41.14	54.58	78.00	57.77	UL-RL	4.1133E+04	-7.800	54.86	
1.000	1.000	109.4	0.000	0.000	Ug5_2_8_L_0						
41 D	22.53	1.3398E-04	42.86	55.50	80.00	58.64	UL-RL	4.1133E+04	-8.000	57.14	
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0						
42 D	23.17	1.3522E-04	44.57	56.42	82.00	59.51	UL-RL	4.1133E+04	-8.200	59.43	
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
43 D	23.81	1.3633E-04	46.29	57.32	84.00	60.37	UL-RL	4.1133E+04	-8.400	61.71	
1.000	1.000	119.0	0.000	0.000	Ug5_2_8_L_0						
44 D	24.44	1.3723E-04	48.00	58.20	86.00	61.23	UL-RL	4.1133E+04	-8.600	64.00	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
45 D	25.07	1.3788E-04	49.71	59.06	88.00	62.09	UL-RL	4.1133E+04	-8.800	66.29	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
46 D	25.70	1.3826E-04	51.43	59.91	90.00	62.94	UL-RL	4.1133E+04	-9.000	68.57	
1.000	1.000	128.5	0.000	0.000	Ug5_2_8_L_0						
47 D	26.32	1.3836E-04	53.14	60.73	92.00	63.79	UL-RL	4.1133E+04	-9.200	70.86	
1.000	1.000	131.6	0.000	0.000	Ug5_2_8_L_0						
48 D	26.93	1.3818E-04	54.86	61.53	94.00	64.64	UL-RL	4.1133E+04	-9.400	73.14	
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
49 D	27.55	1.3773E-04	56.57	62.31	96.00	65.48	UL-RL	4.1133E+04	-9.600	75.43	
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0						
50 D	28.16	1.3703E-04	58.29	63.07	98.00	66.32	UL-RL	4.1133E+04	-9.800	77.71	
1.000	1.000	140.8	0.000	0.000	Ug5_2_8_L_0						
51 D	28.76	1.3611E-04	60.00	63.82	100.00	67.17	UL-RL	4.1133E+04	-10.00	80.00	
1.000	1.000	143.8	0.000	0.000	Ug5_2_8_L_0						
52 D	29.37	1.3499E-04	61.71	64.55	102.0	68.01	UL-RL	4.1133E+04	-10.20	82.29	
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0						
53 D	29.97	1.3370E-04	63.43	65.27	104.0	68.85	UL-RL	4.1133E+04	-10.40	84.57	
1.000	1.000	149.8	0.000	0.000	Ug5_2_8_L_0						
54 D	30.57	1.3227E-04	65.14	65.97	106.0	69.69	UL-RL	4.1133E+04	-10.60	86.86	
1.000	1.000	152.8	0.000	0.000	Ug5_2_8_L_0						
55 D	31.16	1.3072E-04	66.86	66.67	108.0	70.52	UL-RL	4.1133E+04	-10.80	89.14	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
56 D	31.76	1.2909E-04	68.57	67.37	110.0	71.36	UL-RL	4.1133E+04	-11.00	91.43	
1.000	1.000	158.8	0.000	0.000	Ug5_2_8_L_0						
57 D	32.35	1.2739E-04	70.29	68.06	112.0	72.20	UL-RL	4.1133E+04	-11.20	93.71	
1.000	1.000	161.8	0.000	0.000	Ug5_2_8_L_0						
58 D	32.95	1.2566E-04	72.00	68.74	114.0	73.04	UL-RL	4.1133E+04	-11.40	96.00	
1.000	1.000	164.7	0.000	0.000	Ug5_2_8_L_0						
59 D	33.54	1.2390E-04	73.71	69.42	116.0	73.88	UL-RL	4.1133E+04	-11.60	98.29	
1.000	1.000	167.7	0.000	0.000	Ug5_2_8_L_0						
60 D	34.14	1.2212E-04	75.43	70.11	118.0	74.72	UL-RL	4.1133E+04	-11.80	100.6	
1.000	1.000	170.7	0.000	0.000	Ug5_2_8_L_0						
61 D	17.36	1.2034E-04	77.14	70.79	120.0	75.56	UL-RL	4.1133E+04	-12.00	102.9	
1.000	1.000	173.6	0.000	0.000	Ug5_2_8_L_0						

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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.80096E-11-2.80096E-11 2.90723E-12-7.50111E-12
    2  1.0634     -1.0634     1.60880E-11 0.21268
    3  2.6818     -2.6818    -0.21268     0.74904
    4  4.8637     -4.8637    -0.74904      1.7218
    5  7.6256     -7.6256     -1.7218      3.2469
    6  10.966     -10.966     -3.2469      5.4400
    7  14.856     -14.856     -5.4400      8.4112
    8  19.287     -19.287     -8.4112      12.269
    9  24.257     -24.257     -12.269      17.120
   10  29.745     -29.745     -17.120      23.069
   11  35.746     -35.746     -23.069      30.218
   12  42.235     -42.235     -30.218      38.665
   13  49.199     -49.199     -38.665      48.505
   14  36.605     -36.605     -48.505      55.826
   15  44.426     -44.426     -55.826      64.711
   16 -19.382      19.382     -64.711      60.835
   17 -13.276      13.276     -60.835      58.180
   18 -9.7319      9.7319     -58.180      56.233
   19 -8.7743      8.7743     -56.233      54.478
   20 -9.7782      9.7782     -54.478      52.523
   21 -11.010      11.010     -52.523      50.321
   22 -12.285      12.285     -50.321      47.864
   23 -13.615      13.615     -47.864      45.141
   24 -15.012      15.012     -45.141      42.138
   25 -16.493      16.493     -42.138      38.840
   26 -18.068      18.068     -38.840      35.226
   27 -18.875      18.875     -35.226      31.451
   28 -19.069      19.069     -31.451      27.637
   29 -18.784      18.784     -27.637      23.880
   30 -18.073      18.073     -23.880      20.266
   31 -16.984      16.984     -20.266      16.869
   32 -15.635      15.635     -16.869      13.742
   33 -14.124      14.124     -13.742      10.917
   34 -12.534      12.534     -10.917      8.4103
   35 -10.930      10.930     -8.4103      6.2243
   36 -9.3630      9.3630     -6.2243      4.3517
   37 -7.8706      7.8706     -4.3517      2.7776
   38 -6.4801      6.4801     -2.7776      1.4815
   39 -5.2095      5.2095     -1.4815     0.43964
   40 -4.0689      4.0689    -0.43964    -0.37415
   41 -3.0625      3.0625     0.37415    -0.98665
   42 -2.1894      2.1894     0.98665     -1.4245
   43 -1.4449      1.4449      1.4245     -1.7135
   44-0.82188     0.82188      1.7135     -1.8779
   45-0.31114     0.31114      1.8779     -1.9401
   46 9.75554E-02-9.75554E-02  1.9401     -1.9206
   47 0.41493    -0.41493      1.9206     -1.8376
   48 0.65176    -0.65176      1.8376     -1.7073
   49 0.81842    -0.81842      1.7073     -1.5436
   50 0.92466    -0.92466      1.5436     -1.3587
   51 0.97936    -0.97936      1.3587     -1.1628
   52 0.99037    -0.99037      1.1628    -0.96471
   53 0.96448    -0.96448     0.96471    -0.77182
   54 0.90737    -0.90737     0.77182    -0.59034
   55 0.82363    -0.82363     0.59034    -0.42562
   56 0.71678    -0.71678     0.42562    -0.28226
   57 0.58944    -0.58944     0.28226    -0.16437
   58 0.44337    -0.44337     0.16437    -7.56974E-02
   59 0.27965    -0.27965     7.56974E-02-1.97681E-02
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   60 9.88354E-02-9.88354E-02 1.97681E-02 4.26784E-13

ITER     0 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7186E+05 RIMNOR=0.8802E+05
           RENORM=0.2149E+05 REMNOR=0.5442E-21 RATIO =0.5468     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 105.0     RMMAX = 64.71
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7186E+05 RDR   =0.8802E+05
           RATIOT=0.5468     RATIOR= 0.000
           MAX UN= 71.83     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-102.8     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7186E+05 RIMNOR=0.8802E+05
           RENORM=0.1536E-18 REMNOR=0.3707E-21 RATIO =0.1462E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 105.0     RMMAX = 64.71
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7186E+05 RDR   =0.8802E+05
           RATIOT=0.1462E-11 RATIOR= 0.000
           MAX UN=0.1912E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1471E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0507820E-03  -7.8474715E-04
    2   2.8938326E-03  -7.8474715E-04
    3   2.7368859E-03  -7.8470582E-04
    4   2.5799618E-03  -7.8449256E-04
    5   2.4231155E-03  -7.8388029E-04
    6   2.2664579E-03  -7.8254355E-04
    7   2.1101747E-03  -7.8005735E-04
    8   1.9545465E-03  -7.7589912E-04
    9   1.7999677E-03  -7.6945124E-04
   10   1.6469661E-03  -7.6000153E-04
   11   1.4962209E-03  -7.4674449E-04
   12   1.3485819E-03  -7.2878276E-04
   13   1.2050873E-03  -7.0512879E-04
   14   1.0669816E-03  -6.7470703E-04
   15   9.3573307E-04  -6.3635674E-04
   16   8.1305028E-04  -5.8883594E-04
   17   7.0089738E-04  -5.3082654E-04
   18   6.0099868E-04  -4.6862323E-04
   19   5.1331199E-04  -4.0846135E-04
   20   4.3757757E-04  -3.4884808E-04
   21   3.7383868E-04  -2.8825069E-04
   22   3.2205512E-04  -2.3099079E-04
   23   2.8092452E-04  -1.8149846E-04
   24   2.4901524E-04  -1.3861368E-04
   25   2.2509219E-04  -1.0153179E-04
   26   2.0804855E-04  -6.9759459E-05
   27   1.9685617E-04  -4.2971510E-05
   28   1.9054889E-04  -2.0850327E-05
   29   1.8822908E-04  -3.0335263E-06
   30   1.8907443E-04   1.0867538E-05
   31   1.9234196E-04   2.1256607E-05
   32   1.9737056E-04   2.8548359E-05
   33   2.0358260E-04   3.3159872E-05
   34   2.1048296E-04   3.5498239E-05
   35   2.1765620E-04   3.5951290E-05
   36   2.2476190E-04   3.4880630E-05
   37   2.3152889E-04   3.2616922E-05
   38   2.3774888E-04   2.9456963E-05
   39   2.4326937E-04   2.5662443E-05
   40   2.4798666E-04   2.1459841E-05
   41   2.5183891E-04   1.7041386E-05
   42   2.5479946E-04   1.2566751E-05
   43   2.5687049E-04   8.1653143E-06
   44   2.5807725E-04   3.9387748E-06
   45   2.5846279E-04  -3.5984776E-08
   46   2.5808330E-04  -3.7040519E-06
   47   2.5700401E-04  -7.0294537E-06
   48   2.5529568E-04  -9.9924255E-06
   49   2.5303162E-04  -1.2586737E-05
   50   2.5028525E-04  -1.4817234E-05
   51   2.4712808E-04  -1.6697672E-05
   52   2.4362806E-04  -1.8248724E-05
   53   2.3984893E-04  -1.9496126E-05
   54   2.3584805E-04  -2.0469694E-05
   55   2.3167717E-04  -2.1201598E-05
   56   2.2738126E-04  -2.1725709E-05
   57   2.2299842E-04  -2.2076790E-05
   58   2.1855974E-04  -2.2289946E-05
   59   2.1408930E-04  -2.2400232E-05
   60   2.0960419E-04  -2.2442408E-05
   61   2.0511436E-04  -2.2450790E-05
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+------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                        |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                 Exe Time :24 May 2018       18:23:40                                                   |
+------------------------------------------------------------------------------------------------------------------------+
New Project


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

0_L                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      5.0000

 HARDENING 2D SOIL ELEMENT

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

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
-----------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------
   1 D  0.000     -3.0508E-03  0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000      0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5651    -2.8938E-03  2.532       1.226       2.532       4.707           UL-RL  6.2051E+04 -0.2000       1.600
1.000       1.000      2.826       0.000       0.000     Ug5_2_8_L_0
   3 D  1.220     -2.7369E-03  5.492       2.902       5.492       8.349           UL-RL  6.2051E+04 -0.4000       3.200
1.000       1.000      6.102       0.000       0.000     Ug5_2_8_L_0
   4 D  1.884     -2.5800E-03  8.629       4.622       8.629       11.12           UL-RL  6.2051E+04 -0.6000       4.800
1.000       1.000      9.422       0.000       0.000     Ug5_2_8_L_0
   5 D  2.565     -2.4231E-03  12.12       6.426       12.12       13.46           UL-RL  6.2051E+04 -0.8000       6.400
1.000       1.000      12.83       0.000       0.000     Ug5_2_8_L_0
   6 D  3.245     -2.2665E-03  15.60       8.226       15.60       15.59           UL-RL  6.2051E+04  -1.000       8.000
1.000       1.000      16.23       0.000       0.000     Ug5_2_8_L_0
   7 D  3.899     -2.1102E-03  18.60       9.896       18.60       17.61           UL-RL  6.2051E+04  -1.200       9.600
1.000       1.000      19.50       0.000       0.000     Ug5_2_8_L_0
   8 D  4.545     -1.9545E-03  21.49       11.53       21.49       19.55           UL-RL  6.2051E+04  -1.400       11.20
1.000       1.000      22.73       0.000       0.000     Ug5_2_8_L_0
   9 D  5.192     -1.8000E-03  24.49       13.16       24.49       21.42           UL-RL  6.2051E+04  -1.600       12.80
1.000       1.000      25.96       0.000       0.000     Ug5_2_8_L_0
  10 D  5.821     -1.6470E-03  27.27       14.71       27.27       23.24           UL-RL  6.2051E+04  -1.800       14.40
1.000       1.000      29.11       0.000       0.000     Ug5_2_8_L_0
  11 D  6.447     -1.4962E-03  30.17       16.24       30.17       24.99           UL-RL  6.2051E+04  -2.000       16.00
1.000       1.000      32.24       0.000       0.000     Ug5_2_8_L_0
  12 D  7.054     -1.3486E-03  32.92       17.67       32.92       26.69           UL-RL  6.2051E+04  -2.200       17.60
1.000       1.000      35.27       0.000       0.000     Ug5_2_8_L_0
  13 D  7.650     -1.2051E-03  35.78       19.05       35.78       28.34           UL-RL  6.2051E+04  -2.400       19.20
1.000       1.000      38.25       0.000       0.000     Ug5_2_8_L_0
  14 D  8.219     -1.0670E-03  38.54       20.30       38.54       29.93           UL-RL  6.2051E+04  -2.600       20.80
1.000       1.000      41.10       0.000       0.000     Ug5_2_8_L_0
  15 D  8.761     -9.3573E-04  41.40       21.41       41.40       31.47           UL-RL  6.2051E+04  -2.800       22.40
1.000       1.000      43.81       0.000       0.000     Ug5_2_8_L_0
  16 D  9.255     -8.1305E-04  44.16       22.28       44.16       32.96           UL-RL  6.2051E+04  -3.000       24.00
1.000       1.000      46.28       0.000       0.000     Ug5_2_8_L_0
  17 D  9.693     -7.0090E-04  47.02       22.86       47.02       34.40           UL-RL  6.2051E+04  -3.200       25.60
1.000       1.000      48.46       0.000       0.000     Ug5_2_8_L_0
  18 D  10.05     -6.0100E-04  49.81       23.07       49.81       35.80           UL-RL  6.2051E+04  -3.400       27.20
1.000       1.000      50.27       0.000       0.000     Ug5_2_8_L_0
  19 D  10.35     -5.1331E-04  52.60       22.97       52.60       37.15           UL-RL  6.2051E+04  -3.600       28.80
1.000       1.000      51.77       0.000       0.000     Ug5_2_8_L_0
  20 D  10.60     -4.3758E-04  55.47       22.62       55.47       38.46           UL-RL  6.2051E+04  -3.800       30.40
1.000       1.000      53.02       0.000       0.000     Ug5_2_8_L_0
  21 D  10.80     -3.7384E-04  58.27       22.01       58.27       39.73           UL-RL  6.2051E+04  -4.000       32.00
1.000       1.000      54.01       0.000       0.000     Ug5_2_8_L_0
  22 D  11.14     -3.2206E-04  61.13       22.12       61.13       40.97           UL-RL  6.2051E+04  -4.200       33.60
1.000       1.000      55.72       0.000       0.000     Ug5_2_8_L_0
  23 D  11.45     -2.8092E-04  63.94       22.05       63.94       42.17           UL-RL  6.2051E+04  -4.400       35.20
1.000       1.000      57.25       0.000       0.000     Ug5_2_8_L_0
  24 D  11.73     -2.4902E-04  66.80       21.86       66.80       43.34           UL-RL  6.2051E+04  -4.600       36.80
1.000       1.000      58.66       0.000       0.000     Ug5_2_8_L_0
  25 D  11.99     -2.2509E-04  69.61       21.56       69.61       44.48           UL-RL  6.2051E+04  -4.800       38.40
1.000       1.000      59.96       0.000       0.000     Ug5_2_8_L_0
  26 D  12.25     -2.0805E-04  72.41       21.24       72.41       45.60           UL-RL  6.2051E+04  -5.000       40.00
1.000       1.000      61.24       0.000       0.000     Ug5_2_8_L_0
  27 D  13.38     -1.9686E-04  75.01       25.28       75.01       46.69           UL-RL  6.2051E+04  -5.200       41.60
1.000       1.000      66.88       0.000       0.000     Ug5_2_8_L_0
  28 D  14.36     -1.9055E-04  77.62       28.61       77.62       47.76           UL-RL  6.2051E+04  -5.400       43.20
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1.000	1.000	71.81	0.000	0.000	Ug5_2_8_L_0					
29 D	15.23	-1.8823E-04	80.23	31.35	80.23	48.81	UL-RL	6.2051E+04	-5.600	44.80
1.000	1.000	76.15	0.000	0.000	Ug5_2_8_L_0					
30 D	16.00	-1.8907E-04	82.85	33.59	82.85	49.85	UL-RL	6.2051E+04	-5.800	46.40
1.000	1.000	79.99	0.000	0.000	Ug5_2_8_L_0					
31 D	16.68	-1.9234E-04	85.47	35.40	85.47	50.86	UL-RL	6.2051E+04	-6.000	48.00
1.000	1.000	83.40	0.000	0.000	Ug5_2_8_L_0					
32 D	17.29	-1.9737E-04	88.10	36.87	88.10	51.86	UL-RL	6.2051E+04	-6.200	49.60
1.000	1.000	86.47	0.000	0.000	Ug5_2_8_L_0					
33 D	17.85	-2.0358E-04	90.72	38.07	90.72	52.85	UL-RL	6.2051E+04	-6.400	51.20
1.000	1.000	89.27	0.000	0.000	Ug5_2_8_L_0					
34 D	18.37	-2.1048E-04	93.58	39.07	93.58	53.82	UL-RL	6.2051E+04	-6.600	52.80
1.000	1.000	91.87	0.000	0.000	Ug5_2_8_L_0					
35 D	18.86	-2.1766E-04	96.35	39.92	96.35	54.79	UL-RL	6.2051E+04	-6.800	54.40
1.000	1.000	94.32	0.000	0.000	Ug5_2_8_L_0					
36 D	19.33	-2.2476E-04	99.67	40.67	99.67	55.74	UL-RL	6.2051E+04	-7.000	56.00
1.000	1.000	96.67	0.000	0.000	Ug5_2_8_L_0					
37 D	19.79	-2.3153E-04	102.4	41.35	102.4	56.68	UL-RL	6.2051E+04	-7.200	57.60
1.000	1.000	98.95	0.000	0.000	Ug5_2_8_L_0					
38 D	20.24	-2.3775E-04	105.7	42.02	105.7	57.62	UL-RL	6.2051E+04	-7.400	59.20
1.000	1.000	101.2	0.000	0.000	Ug5_2_8_L_0					
39 D	20.70	-2.4327E-04	108.4	42.68	108.4	58.55	UL-RL	6.2051E+04	-7.600	60.80
1.000	1.000	103.5	0.000	0.000	Ug5_2_8_L_0					
40 D	21.15	-2.4799E-04	111.6	43.36	111.6	59.47	UL-RL	6.2051E+04	-7.800	62.40
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0					
41 D	21.62	-2.5184E-04	114.7	44.08	114.7	60.38	UL-RL	6.2051E+04	-8.000	64.00
1.000	1.000	108.1	0.000	0.000	Ug5_2_8_L_0					
42 D	22.09	-2.5480E-04	117.4	44.85	117.4	61.29	UL-RL	6.2051E+04	-8.200	65.60
1.000	1.000	110.4	0.000	0.000	Ug5_2_8_L_0					
43 D	22.57	-2.5687E-04	120.5	45.67	120.5	62.20	UL-RL	6.2051E+04	-8.400	67.20
1.000	1.000	112.9	0.000	0.000	Ug5_2_8_L_0					
44 D	23.07	-2.5808E-04	123.1	46.56	123.1	63.10	UL-RL	6.2051E+04	-8.600	68.80
1.000	1.000	115.4	0.000	0.000	Ug5_2_8_L_0					
45 D	23.58	-2.5846E-04	126.2	47.51	126.2	64.00	UL-RL	6.2051E+04	-8.800	70.40
1.000	1.000	117.9	0.000	0.000	Ug5_2_8_L_0					
46 D	24.10	-2.5808E-04	128.8	48.51	128.8	64.90	UL-RL	6.2051E+04	-9.000	72.00
1.000	1.000	120.5	0.000	0.000	Ug5_2_8_L_0					
47 D	24.64	-2.5700E-04	131.9	49.58	131.9	65.79	UL-RL	6.2051E+04	-9.200	73.60
1.000	1.000	123.2	0.000	0.000	Ug5_2_8_L_0					
48 D	25.18	-2.5530E-04	134.5	50.70	134.5	66.68	UL-RL	6.2051E+04	-9.400	75.20
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0					
49 D	25.73	-2.5303E-04	137.5	51.87	137.5	67.57	UL-RL	6.2051E+04	-9.600	76.80
1.000	1.000	128.7	0.000	0.000	Ug5_2_8_L_0					
50 D	26.30	-2.5029E-04	140.1	53.09	140.1	68.45	UL-RL	6.2051E+04	-9.800	78.40
1.000	1.000	131.5	0.000	0.000	Ug5_2_8_L_0					
51 D	26.87	-2.4713E-04	143.1	54.34	143.1	69.34	UL-RL	6.2051E+04	-10.00	80.00
1.000	1.000	134.3	0.000	0.000	Ug5_2_8_L_0					
52 D	27.45	-2.4363E-04	145.6	55.63	145.6	70.22	UL-RL	6.2051E+04	-10.20	81.60
1.000	1.000	137.2	0.000	0.000	Ug5_2_8_L_0					
53 D	28.03	-2.3985E-04	148.6	56.95	148.6	71.11	UL-RL	6.2051E+04	-10.40	83.20
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0					
54 D	28.62	-2.3585E-04	151.5	58.29	151.5	71.99	UL-RL	6.2051E+04	-10.60	84.80
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0					
55 D	29.21	-2.3168E-04	154.1	59.65	154.1	72.87	UL-RL	6.2051E+04	-10.80	86.40
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0					
56 D	29.80	-2.2738E-04	157.0	61.02	157.0	73.75	UL-RL	6.2051E+04	-11.00	88.00
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0					
57 D	30.40	-2.2300E-04	159.6	62.40	159.6	74.64	UL-RL	6.2051E+04	-11.20	89.60
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0					
58 D	31.00	-2.1856E-04	162.4	63.79	162.4	75.52	UL-RL	6.2051E+04	-11.40	91.20
1.000	1.000	155.0	0.000	0.000	Ug5_2_8_L_0					
59 D	31.60	-2.1409E-04	165.0	65.18	165.0	76.40	UL-RL	6.2051E+04	-11.60	92.80
1.000	1.000	158.0	0.000	0.000	Ug5_2_8_L_0					
60 D	32.19	-2.0960E-04	167.9	66.57	167.9	77.28	UL-RL	6.2051E+04	-11.80	94.40
1.000	1.000	161.0	0.000	0.000	Ug5_2_8_L_0					
61 D	16.40	-2.0511E-04	170.4	67.97	170.4	78.16	UL-RL	6.2051E+04	-12.00	96.00
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      3.7384E-04   0.000       0.000       40.00       46.98          ACTIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   2.010      3.2206E-04   1.600       7.650       42.00       46.65           UL-RL  3.0850E+04  -4.200       2.400
1.000       1.000       10.05       0.000       0.000     Ug5_2_8_L_0
  23 D   4.725      2.8092E-04   3.200       18.83       44.00       46.45           UL-RL  3.0850E+04  -4.400       4.800
1.000       1.000       23.63       0.000       0.000     Ug5_2_8_L_0
  24 D   7.455      2.4902E-04   4.800       30.07       46.00       46.38           UL-RL  3.0850E+04  -4.600       7.200
1.000       1.000       37.27       0.000       0.000     Ug5_2_8_L_0
  25 D   9.525      2.2509E-04   6.400       38.02       48.00       46.44           UL-RL  3.0850E+04  -4.800       9.600
1.000       1.000       47.62       0.000       0.000     Ug5_2_8_L_0
  26 D   10.27      2.0805E-04   8.000       39.34       50.00       46.63           UL-RL  3.0850E+04  -5.000       12.00
1.000       1.000       51.34       0.000       0.000     Ug5_2_8_L_0
  27 D   11.02      1.9686E-04   9.600       40.68       52.00       46.93           UL-RL  3.0850E+04  -5.200       14.40
1.000       1.000       55.08       0.000       0.000     Ug5_2_8_L_0
  28 D   11.77      1.9055E-04   11.20       42.03       54.00       47.33           UL-RL  3.0850E+04  -5.400       16.80
```

1.000	1.000	58.83	0.000	0.000	Ug5_2_8_L_0					
29 D	12.51	1.8823E-04	12.80	43.37	56.00	47.83	UL-RL	3.0850E+04	-5.600	19.20
1.000	1.000	62.57	0.000	0.000	Ug5_2_8_L_0					
30 D	13.19	1.8907E-04	14.40	44.37	58.00	48.59	UL-RL	3.0850E+04	-5.800	21.60
1.000	1.000	65.97	0.000	0.000	Ug5_2_8_L_0					
31 D	13.81	1.9234E-04	16.00	45.07	60.00	49.56	UL-RL	3.0850E+04	-6.000	24.00
1.000	1.000	69.07	0.000	0.000	Ug5_2_8_L_0					
32 D	14.46	1.9737E-04	17.60	45.90	62.00	50.51	UL-RL	3.0850E+04	-6.200	26.40
1.000	1.000	72.30	0.000	0.000	Ug5_2_8_L_0					
33 D	15.12	2.0358E-04	19.20	46.82	64.00	51.46	UL-RL	3.0850E+04	-6.400	28.80
1.000	1.000	75.62	0.000	0.000	Ug5_2_8_L_0					
34 D	15.80	2.1048E-04	20.80	47.81	66.00	52.39	UL-RL	3.0850E+04	-6.600	31.20
1.000	1.000	79.01	0.000	0.000	Ug5_2_8_L_0					
35 D	16.49	2.1766E-04	22.40	48.86	68.00	53.31	UL-RL	3.0850E+04	-6.800	33.60
1.000	1.000	82.46	0.000	0.000	Ug5_2_8_L_0					
36 D	17.19	2.2476E-04	24.00	49.93	70.00	54.22	UL-RL	3.0850E+04	-7.000	36.00
1.000	1.000	85.93	0.000	0.000	Ug5_2_8_L_0					
37 D	17.88	2.3153E-04	25.60	51.00	72.00	55.12	UL-RL	3.0850E+04	-7.200	38.40
1.000	1.000	89.40	0.000	0.000	Ug5_2_8_L_0					
38 D	18.58	2.3775E-04	27.20	52.08	74.00	56.01	UL-RL	3.0850E+04	-7.400	40.80
1.000	1.000	92.88	0.000	0.000	Ug5_2_8_L_0					
39 D	19.27	2.4327E-04	28.80	53.13	76.00	56.89	UL-RL	3.0850E+04	-7.600	43.20
1.000	1.000	96.33	0.000	0.000	Ug5_2_8_L_0					
40 D	19.95	2.4799E-04	30.40	54.16	78.00	57.77	UL-RL	3.0850E+04	-7.800	45.60
1.000	1.000	99.76	0.000	0.000	Ug5_2_8_L_0					
41 D	20.63	2.5184E-04	32.00	55.16	80.00	58.64	UL-RL	3.0850E+04	-8.000	48.00
1.000	1.000	103.2	0.000	0.000	Ug5_2_8_L_0					
42 D	21.30	2.5480E-04	33.60	56.12	82.00	59.51	UL-RL	3.0850E+04	-8.200	50.40
1.000	1.000	106.5	0.000	0.000	Ug5_2_8_L_0					
43 D	21.97	2.5687E-04	35.20	57.05	84.00	60.37	UL-RL	3.0850E+04	-8.400	52.80
1.000	1.000	109.8	0.000	0.000	Ug5_2_8_L_0					
44 D	22.63	2.5808E-04	36.80	57.93	86.00	61.23	UL-RL	3.0850E+04	-8.600	55.20
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0					
45 D	23.28	2.5846E-04	38.40	58.78	88.00	62.09	UL-RL	3.0850E+04	-8.800	57.60
1.000	1.000	116.4	0.000	0.000	Ug5_2_8_L_0					
46 D	23.92	2.5808E-04	40.00	59.59	90.00	62.94	UL-RL	3.0850E+04	-9.000	60.00
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0					
47 D	24.55	2.5700E-04	41.60	60.36	92.00	63.79	UL-RL	3.0850E+04	-9.200	62.40
1.000	1.000	122.8	0.000	0.000	Ug5_2_8_L_0					
48 D	25.18	2.5530E-04	43.20	61.10	94.00	64.64	UL-RL	3.0850E+04	-9.400	64.80
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0					
49 D	25.80	2.5303E-04	44.80	61.81	96.00	65.48	UL-RL	3.0850E+04	-9.600	67.20
1.000	1.000	129.0	0.000	0.000	Ug5_2_8_L_0					
50 D	26.42	2.5029E-04	46.40	62.49	98.00	66.32	UL-RL	3.0850E+04	-9.800	69.60
1.000	1.000	132.1	0.000	0.000	Ug5_2_8_L_0					
51 D	27.03	2.4713E-04	48.00	63.15	100.00	67.17	UL-RL	3.0850E+04	-10.00	72.00
1.000	1.000	135.2	0.000	0.000	Ug5_2_8_L_0					
52 D	27.64	2.4363E-04	49.60	63.79	102.0	68.01	UL-RL	3.0850E+04	-10.20	74.40
1.000	1.000	138.2	0.000	0.000	Ug5_2_8_L_0					
53 D	28.24	2.3985E-04	51.20	64.42	104.0	68.85	UL-RL	3.0850E+04	-10.40	76.80
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0					
54 D	28.85	2.3585E-04	52.80	65.03	106.0	69.69	UL-RL	3.0850E+04	-10.60	79.20
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0					
55 D	29.45	2.3168E-04	54.40	65.63	108.0	70.52	UL-RL	3.0850E+04	-10.80	81.60
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0					
56 D	30.04	2.2738E-04	56.00	66.22	110.0	71.36	UL-RL	3.0850E+04	-11.00	84.00
1.000	1.000	150.2	0.000	0.000	Ug5_2_8_L_0					
57 D	30.64	2.2300E-04	57.60	66.80	112.0	72.20	UL-RL	3.0850E+04	-11.20	86.40
1.000	1.000	153.2	0.000	0.000	Ug5_2_8_L_0					
58 D	31.24	2.1856E-04	59.20	67.38	114.0	73.04	UL-RL	3.0850E+04	-11.40	88.80
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0					
59 D	31.83	2.1409E-04	60.80	67.96	116.0	73.88	UL-RL	3.0850E+04	-11.60	91.20
1.000	1.000	159.2	0.000	0.000	Ug5_2_8_L_0					
60 D	32.43	2.0960E-04	62.40	68.54	118.0	74.72	UL-RL	3.0850E+04	-11.80	93.60
1.000	1.000	162.1	0.000	0.000	Ug5_2_8_L_0					
61 D	16.51	2.0511E-04	64.00	69.11	120.0	75.56	UL-RL	3.0850E+04	-12.00	96.00
1.000	1.000	165.1	0.000	0.000	Ug5_2_8_L_0					

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-6.39464E-13 6.39464E-13 2.35589E-13-1.01159E-11
    2 0.56510    -0.56510     1.08016E-11 0.11302
    3  1.7855     -1.7855    -0.11302     0.47011
    4  3.6698     -3.6698    -0.47011      1.2041
    5  6.2350     -6.2350     -1.2041      2.4511
    6  9.4803     -9.4803     -2.4511      4.3471
    7  13.379     -13.379     -4.3471      7.0230
    8  17.924     -17.924     -7.0230      10.608
    9  23.116     -23.116     -10.608      15.231
   10  28.937     -28.937     -15.231      21.019
   11  35.385     -35.385     -21.019      28.096
   12  42.439     -42.439     -28.096      36.583
   13  50.089     -50.089     -36.583      46.601
   14  58.308     -58.308     -46.601      58.263
   15  67.070     -67.070     -58.263      71.677
   16  76.325     -76.325     -71.677      86.942
   17 -18.982      18.982     -86.942      83.145
   18 -8.9276      8.9276     -83.145      81.360
   19  1.4270     -1.4270     -81.360      81.645
   20  12.032     -12.032     -81.645      84.052
   21 -57.666      57.666     -84.052      72.518
   22 -48.531      48.531     -72.518      62.812
   23 -41.806      41.806     -62.812      54.451
   24 -37.530      37.530     -54.451      46.945
   25 -35.062      35.062     -46.945      39.933
   26 -33.082      33.082     -39.933      33.316
   27 -30.723      30.723     -33.316      27.171
   28 -28.126      28.126     -27.171      21.546
   29 -25.410      25.410     -21.546      16.464
   30 -22.606      22.606     -16.464      11.943
   31 -19.740      19.740     -11.943      7.9953
   32 -16.905      16.905     -7.9953      4.6143
   33 -14.174      14.174     -4.6143      1.7796
   34 -11.602      11.602     -1.7796    -0.54082
   35 -9.2298      9.2298     0.54082     -2.3868
   36 -7.0816      7.0816      2.3868     -3.8031
   37 -5.1717      5.1717      3.8031     -4.8374
   38 -3.5040      3.5040      4.8374     -5.5382
   39 -2.0752      2.0752      5.5382     -5.9533
   40-0.87590     0.87590      5.9533     -6.1284
   41 0.10783    -0.10783      6.1284     -6.1069
   42 0.89291    -0.89291      6.1069     -5.9283
   43  1.4983     -1.4983      5.9283     -5.6286
   44  1.9438     -1.9438      5.6286     -5.2399
   45  2.2496     -2.2496      5.2399     -4.7900
   46  2.4353     -2.4353      4.7900     -4.3029
   47  2.5198     -2.5198      4.3029     -3.7990
   48  2.5205     -2.5205      3.7990     -3.2949
   49  2.4534     -2.4534      3.2949     -2.8042
   50  2.3327     -2.3327      2.8042     -2.3376
   51  2.1711     -2.1711      2.3376     -1.9034
   52  1.9791     -1.9791      1.9034     -1.5076
   53  1.7657     -1.7657      1.5076     -1.1545
   54  1.5383     -1.5383      1.1545    -0.84682
   55  1.3026     -1.3026     0.84682    -0.58630
   56  1.0630     -1.0630     0.58630    -0.37369
   57 0.82269    -0.82269     0.37369    -0.20915
   58 0.58373    -0.58373     0.20915    -9.24092E-02
   59 0.34746    -0.34746     9.24092E-02-2.29173E-02
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   60 0.11458    -0.11458     2.29173E-02-4.40079E-13

ITER     0 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1086E+06 RIMNOR=0.1353E+06
           RENORM=0.2283E+05 REMNOR=0.3707E-21 RATIO =0.4586     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.94
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1086E+06 RDR   =0.1353E+06
           RATIOT=0.4586     RATIOR= 0.000
           MAX UN= 104.8     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-100.8     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1086E+06 RIMNOR=0.1353E+06
           RENORM= 2.063     REMNOR=0.5726E-21 RATIO =0.4359E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.94
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1086E+06 RDR   =0.1353E+06
           RATIOT=0.4359E-02 RATIOR= 0.000
           MAX UN=0.8780     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1558E-09 IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1086E+06 RIMNOR=0.1353E+06
           RENORM=0.7984     REMNOR=0.5169E-21 RATIO =0.2712E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.94
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1086E+06 RDR   =0.1353E+06
           RATIOT=0.2712E-02 RATIOR= 0.000
           MAX UN=0.7189     IEQ=    17 NODE      9 DOF   1  Y-DISPL.F
           MIN UN=-.1753E-09 IEQ=    15 NODE      8 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1086E+06 RIMNOR=0.1353E+06
           RENORM=0.7939E-01 REMNOR=0.4038E-21 RATIO =0.8552E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 86.94
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1086E+06 RDR   =0.1353E+06
           RATIOT=0.8552E-03 RATIOR= 0.000
           MAX UN=0.2814     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.2037E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1086E+06 RIMNOR=0.1353E+06
           RENORM=0.3157E-18 REMNOR=0.4981E-21 RATIO =0.1705E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 181.0     RMMAX = 86.94
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1086E+06 RDR   =0.1353E+06
           RATIOT=0.1705E-11 RATIOR= 0.000
           MAX UN=0.2247E-09 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.2468E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     5 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.3972550E-03  -8.3297824E-04
    2   3.2306594E-03  -8.3297824E-04
    3   3.0640658E-03  -8.3294700E-04
    4   2.8974890E-03  -8.3278924E-04
    5   2.7309693E-03  -8.3234343E-04
    6   2.5645861E-03  -8.3137988E-04
    7   2.3984718E-03  -8.2959945E-04
    8   2.2328253E-03  -8.2663537E-04
    9   2.0679254E-03  -8.2205537E-04
   10   1.9041440E-03  -8.1536169E-04
   11   1.7419591E-03  -8.0599150E-04
   12   1.5819677E-03  -7.9331724E-04
   13   1.4248987E-03  -7.7664672E-04
   14   1.2716259E-03  -7.5522327E-04
   15   1.1231819E-03  -7.2821177E-04
   16   9.8077586E-04  -6.9467993E-04
   17   8.4581283E-04  -6.5359446E-04
   18   7.1991629E-04  -6.0382554E-04
   19   6.0494302E-04  -5.4415067E-04
   20   5.0300359E-04  -4.7326228E-04
   21   4.1647838E-04  -3.8977600E-04
   22   3.4714772E-04  -3.0547858E-04
   23   2.9355962E-04  -2.3209109E-04
   24   2.5368965E-04  -1.6802801E-04
   25   2.2583622E-04  -1.1164789E-04
   26   2.0863083E-04  -6.1262863E-05
   27   2.0082614E-04  -1.8452353E-05
   28   2.0063413E-04   1.5121191E-05
   29   2.0635392E-04   4.0884253E-05
   30   2.1654625E-04   6.0023550E-05
   31   2.2998362E-04   7.3467057E-05
   32   2.4560509E-04   8.1992044E-05
   33   2.6250188E-04   8.6339829E-05
   34   2.7990909E-04   8.7208675E-05
   35   2.9719656E-04   8.5245623E-05
   36   3.1385790E-04   8.1040870E-05
   37   3.2949873E-04   7.5124663E-05
   38   3.4382486E-04   6.7966080E-05
   39   3.5662958E-04   5.9973822E-05
   40   3.6778215E-04   5.1498050E-05
   41   3.7721621E-04   4.2833410E-05
   42   3.8491912E-04   3.4222778E-05
   43   3.9092195E-04   2.5861520E-05
   44   3.9529051E-04   1.7902050E-05
   45   3.9811715E-04   1.0458542E-05
   46   3.9951367E-04   3.6114426E-06
   47   3.9960492E-04  -2.5878039E-06
   48   3.9852351E-04  -8.1126262E-06
   49   3.9640521E-04  -1.2957315E-05
   50   3.9338518E-04  -1.7133381E-05
   51   3.8959475E-04  -2.0666381E-05
   52   3.8515894E-04  -2.3593010E-05
   53   3.8019511E-04  -2.5958335E-05
   54   3.7480978E-04  -2.7814580E-05
   55   3.6909944E-04  -2.9218391E-05
   56   3.6314857E-04  -3.0230044E-05
   57   3.5702938E-04  -3.0912239E-05
   58   3.5080135E-04  -3.1329313E-05
   59   3.4451097E-04  -3.1546676E-05
   60   3.3819159E-04  -3.1630448E-05
   61   3.3186294E-04  -3.1647237E-05
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.3973E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4271     -3.2307E-03   2.658      0.6619       2.658       4.707          ACTIVE   0.000     -0.2000       1.474
1.000       1.000       2.136       0.000       0.000     Ug5_2_8_L_0
   3 D  0.8756     -3.0641E-03   5.745       1.430       5.745       8.349          ACTIVE   0.000     -0.4000       2.947
1.000       1.000       4.378       0.000       0.000     Ug5_2_8_L_0
   4 D   1.333     -2.8975E-03   9.008       2.243       9.008       11.12          ACTIVE   0.000     -0.6000       4.421
1.000       1.000       6.664       0.000       0.000     Ug5_2_8_L_0
   5 D   1.808     -2.7310E-03   12.62       3.143       12.62       13.46          ACTIVE   0.000     -0.8000       5.895
1.000       1.000       9.038       0.000       0.000     Ug5_2_8_L_0
   6 D   2.282     -2.5646E-03   16.23       4.042       16.23       15.59          ACTIVE   0.000      -1.000       7.368
1.000       1.000       11.41       0.000       0.000     Ug5_2_8_L_0
   7 D   2.732     -2.3985E-03   19.36       4.820       19.36       17.61          ACTIVE   0.000      -1.200       8.842
1.000       1.000       13.66       0.000       0.000     Ug5_2_8_L_0
   8 D   3.178     -2.2328E-03   22.38       5.572       22.38       19.55          ACTIVE   0.000      -1.400       10.32
1.000       1.000       15.89       0.000       0.000     Ug5_2_8_L_0
   9 D   3.628     -2.0679E-03   25.50       6.349       25.50       21.42          ACTIVE   0.000      -1.600       11.79
1.000       1.000       18.14       0.000       0.000     Ug5_2_8_L_0
  10 D   4.067     -1.9041E-03   28.41       7.073       28.41       23.24          ACTIVE   0.000      -1.800       13.26
1.000       1.000       20.34       0.000       0.000     Ug5_2_8_L_0
  11 D   4.513     -1.7420E-03   31.43       7.826       31.43       24.99          ACTIVE   0.000      -2.000       14.74
1.000       1.000       22.56       0.000       0.000     Ug5_2_8_L_0
  12 D   4.951     -1.5820E-03   34.31       8.543       34.31       26.69          ACTIVE   0.000      -2.200       16.21
1.000       1.000       24.75       0.000       0.000     Ug5_2_8_L_0
  13 D   5.394     -1.4249E-03   37.30       9.288       37.30       28.34          ACTIVE   0.000      -2.400       17.68
1.000       1.000       26.97       0.000       0.000     Ug5_2_8_L_0
  14 D   6.023     -1.2716E-03   40.18       10.96       40.18       29.93           UL-RL  4.9641E+04  -2.600       19.16
1.000       1.000       30.12       0.000       0.000     Ug5_2_8_L_0
  15 D   6.723     -1.1232E-03   43.16       12.99       43.16       31.47           UL-RL  4.9641E+04  -2.800       20.63
1.000       1.000       33.62       0.000       0.000     Ug5_2_8_L_0
  16 D   7.400     -9.8078E-04   46.06       14.90       46.06       32.96           UL-RL  4.9641E+04  -3.000       22.11
1.000       1.000       37.00       0.000       0.000     Ug5_2_8_L_0
  17 D   8.052     -8.4581E-04   49.04       16.68       49.04       34.40           UL-RL  4.9641E+04  -3.200       23.58
1.000       1.000       40.26       0.000       0.000     Ug5_2_8_L_0
  18 D   8.659     -7.1992E-04   51.95       18.24       51.95       35.80           UL-RL  4.9641E+04  -3.400       25.05
1.000       1.000       43.30       0.000       0.000     Ug5_2_8_L_0
  19 D   9.218     -6.0494E-04   54.87       19.56       54.87       37.15           UL-RL  4.9641E+04  -3.600       26.53
1.000       1.000       46.09       0.000       0.000     Ug5_2_8_L_0
  20 D   9.715     -5.0300E-04   57.87       20.58       57.87       38.46           UL-RL  4.9641E+04  -3.800       28.00
1.000       1.000       48.58       0.000       0.000     Ug5_2_8_L_0
  21 D   10.13     -4.1648E-04   60.79       21.16       60.79       39.73           UL-RL  4.9641E+04  -4.000       29.47
1.000       1.000       50.63       0.000       0.000     Ug5_2_8_L_0
  22 D   10.63     -3.4715E-04   63.79       22.20       63.79       40.97           UL-RL  4.9641E+04  -4.200       30.95
1.000       1.000       53.15       0.000       0.000     Ug5_2_8_L_0
  23 D   11.05     -2.9356E-04   66.72       22.81       66.72       42.17           UL-RL  4.9641E+04  -4.400       32.42
1.000       1.000       55.23       0.000       0.000     Ug5_2_8_L_0
  24 D   11.39     -2.5369E-04   69.71       23.08       69.71       43.34           UL-RL  4.9641E+04  -4.600       33.89
1.000       1.000       56.97       0.000       0.000     Ug5_2_8_L_0
  25 D   11.68     -2.2584E-04   72.64       23.04       72.64       44.48           UL-RL  4.9641E+04  -4.800       35.37
1.000       1.000       58.41       0.000       0.000     Ug5_2_8_L_0
  26 D   11.93     -2.0863E-04   75.57       22.79       75.57       45.60           UL-RL  4.9641E+04  -5.000       36.84
1.000       1.000       59.64       0.000       0.000     Ug5_2_8_L_0
  27 D   13.01     -2.0083E-04   78.30       26.72       78.30       46.69           UL-RL  4.9641E+04  -5.200       38.32
1.000       1.000       65.04       0.000       0.000     Ug5_2_8_L_0
  28 D   13.92     -2.0063E-04   81.03       29.82       81.03       47.76           UL-RL  4.9641E+04  -5.400       39.79
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1.000	1.000	69.61	0.000	0.000	Ug5_2_8_L_0						
29 D	14.70	-2.0635E-04	83.77	32.22	83.77	48.81	UL-RL	4.9641E+04	-5.600	41.26	
1.000	1.000	73.49	0.000	0.000	Ug5_2_8_L_0						
30 D	15.36	-2.1655E-04	86.52	34.06	86.52	49.85	UL-RL	4.9641E+04	-5.800	42.74	
1.000	1.000	76.79	0.000	0.000	Ug5_2_8_L_0						
31 D	15.93	-2.2998E-04	89.26	35.43	89.26	50.86	UL-RL	4.9641E+04	-6.000	44.21	
1.000	1.000	79.64	0.000	0.000	Ug5_2_8_L_0						
32 D	16.42	-2.4561E-04	92.01	36.44	92.01	51.86	UL-RL	4.9641E+04	-6.200	45.68	
1.000	1.000	82.12	0.000	0.000	Ug5_2_8_L_0						
33 D	16.87	-2.6250E-04	94.76	37.17	94.76	52.85	UL-RL	4.9641E+04	-6.400	47.16	
1.000	1.000	84.33	0.000	0.000	Ug5_2_8_L_0						
34 D	17.27	-2.7991E-04	97.75	37.71	97.75	53.82	UL-RL	4.9641E+04	-6.600	48.63	
1.000	1.000	86.34	0.000	0.000	Ug5_2_8_L_0						
35 D	17.64	-2.9720E-04	100.6	38.12	100.6	54.79	UL-RL	4.9641E+04	-6.800	50.11	
1.000	1.000	88.22	0.000	0.000	Ug5_2_8_L_0						
36 D	18.01	-3.1386E-04	104.1	38.46	104.1	55.74	UL-RL	4.9641E+04	-7.000	51.58	
1.000	1.000	90.03	0.000	0.000	Ug5_2_8_L_0						
37 D	18.36	-3.2950E-04	106.9	38.77	106.9	56.68	UL-RL	4.9641E+04	-7.200	53.05	
1.000	1.000	91.82	0.000	0.000	Ug5_2_8_L_0						
38 D	18.72	-3.4382E-04	110.3	39.09	110.3	57.62	UL-RL	4.9641E+04	-7.400	54.53	
1.000	1.000	93.61	0.000	0.000	Ug5_2_8_L_0						
39 D	19.09	-3.5663E-04	113.2	39.45	113.2	58.55	UL-RL	4.9641E+04	-7.600	56.00	
1.000	1.000	95.45	0.000	0.000	Ug5_2_8_L_0						
40 D	19.47	-3.6778E-04	116.5	39.88	116.5	59.47	UL-RL	4.9641E+04	-7.800	57.47	
1.000	1.000	97.35	0.000	0.000	Ug5_2_8_L_0						
41 D	19.87	-3.7722E-04	119.8	40.38	119.8	60.38	UL-RL	4.9641E+04	-8.000	58.95	
1.000	1.000	99.33	0.000	0.000	Ug5_2_8_L_0						
42 D	20.28	-3.8492E-04	122.6	40.98	122.6	61.29	UL-RL	4.9641E+04	-8.200	60.42	
1.000	1.000	101.4	0.000	0.000	Ug5_2_8_L_0						
43 D	20.71	-3.9092E-04	125.8	41.67	125.8	62.20	UL-RL	4.9641E+04	-8.400	61.89	
1.000	1.000	103.6	0.000	0.000	Ug5_2_8_L_0						
44 D	21.17	-3.9529E-04	128.6	42.46	128.6	63.10	UL-RL	4.9641E+04	-8.600	63.37	
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0						
45 D	21.64	-3.9812E-04	131.8	43.35	131.8	64.00	UL-RL	4.9641E+04	-8.800	64.84	
1.000	1.000	108.2	0.000	0.000	Ug5_2_8_L_0						
46 D	22.13	-3.9951E-04	134.5	44.34	134.5	64.90	UL-RL	4.9641E+04	-9.000	66.32	
1.000	1.000	110.7	0.000	0.000	Ug5_2_8_L_0						
47 D	22.64	-3.9960E-04	137.7	45.41	137.7	65.79	UL-RL	4.9641E+04	-9.200	67.79	
1.000	1.000	113.2	0.000	0.000	Ug5_2_8_L_0						
48 D	23.16	-3.9852E-04	140.4	46.56	140.4	66.68	UL-RL	4.9641E+04	-9.400	69.26	
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
49 D	23.70	-3.9641E-04	143.6	47.79	143.6	67.57	UL-RL	4.9641E+04	-9.600	70.74	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
50 D	24.26	-3.9339E-04	146.3	49.08	146.3	68.45	UL-RL	4.9641E+04	-9.800	72.21	
1.000	1.000	121.3	0.000	0.000	Ug5_2_8_L_0						
51 D	24.82	-3.8959E-04	149.4	50.43	149.4	69.34	UL-RL	4.9641E+04	-10.00	73.68	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
52 D	25.40	-3.8516E-04	152.1	51.83	152.1	70.22	UL-RL	4.9641E+04	-10.20	75.16	
1.000	1.000	127.0	0.000	0.000	Ug5_2_8_L_0						
53 D	25.98	-3.8020E-04	155.2	53.27	155.2	71.11	UL-RL	4.9641E+04	-10.40	76.63	
1.000	1.000	129.9	0.000	0.000	Ug5_2_8_L_0						
54 D	26.57	-3.7481E-04	158.2	54.74	158.2	71.99	UL-RL	4.9641E+04	-10.60	78.11	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
55 D	27.16	-3.6910E-04	160.9	56.24	160.9	72.87	UL-RL	4.9641E+04	-10.80	79.58	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
56 D	27.76	-3.6315E-04	164.0	57.75	164.0	73.75	UL-RL	4.9641E+04	-11.00	81.05	
1.000	1.000	138.8	0.000	0.000	Ug5_2_8_L_0						
57 D	28.36	-3.5703E-04	166.6	59.28	166.6	74.64	UL-RL	4.9641E+04	-11.20	82.53	
1.000	1.000	141.8	0.000	0.000	Ug5_2_8_L_0						
58 D	28.96	-3.5080E-04	169.6	60.82	169.6	75.52	UL-RL	4.9641E+04	-11.40	84.00	
1.000	1.000	144.8	0.000	0.000	Ug5_2_8_L_0						
59 D	29.57	-3.4451E-04	172.3	62.37	172.3	76.40	UL-RL	4.9641E+04	-11.60	85.47	
1.000	1.000	147.8	0.000	0.000	Ug5_2_8_L_0						
60 D	30.17	-3.3819E-04	175.3	63.92	175.3	77.28	UL-RL	4.9641E+04	-11.80	86.95	
1.000	1.000	150.9	0.000	0.000	Ug5_2_8_L_0						
61 D	15.39	-3.3186E-04	178.0	65.46	178.0	78.16	UL-RL	4.9641E+04	-12.00	88.42	
1.000	1.000	153.9	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
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 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  26 D   0.000      2.0863E-04   0.000       0.000       50.00       46.63       PASSIVE   0.000       -5.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  27 D   2.469      2.0083E-04   1.474       9.818       52.00       46.93         UL-RL  2.4680E+04  -5.200       2.526
1.000       1.000       12.34       0.000       0.000     Ug5_2_8_L_0
  28 D   4.954      2.0063E-04   2.947       19.72       54.00       47.33         UL-RL  2.4680E+04  -5.400       5.053
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1.000	1.000	24.77	0.000	0.000	Ug5_2_8_L_0						
29 D	7.440	2.0635E-04	4.421	29.62	56.00	47.83	UL-RL	2.4680E+04	-5.600	7.579	
1.000	1.000	37.20	0.000	0.000	Ug5_2_8_L_0						
30 D	9.928	2.1655E-04	5.895	39.54	58.00	48.59	UL-RL	2.4680E+04	-5.800	10.11	
1.000	1.000	49.64	0.000	0.000	Ug5_2_8_L_0						
31 D	10.73	2.2998E-04	7.368	41.02	60.00	49.56	UL-RL	2.4680E+04	-6.000	12.63	
1.000	1.000	53.65	0.000	0.000	Ug5_2_8_L_0						
32 D	11.49	2.4561E-04	8.842	42.28	62.00	50.51	UL-RL	2.4680E+04	-6.200	15.16	
1.000	1.000	57.43	0.000	0.000	Ug5_2_8_L_0						
33 D	12.26	2.6250E-04	10.32	43.59	64.00	51.46	UL-RL	2.4680E+04	-6.400	17.68	
1.000	1.000	61.28	0.000	0.000	Ug5_2_8_L_0						
34 D	13.03	2.7991E-04	11.79	44.95	66.00	52.39	UL-RL	2.4680E+04	-6.600	20.21	
1.000	1.000	65.16	0.000	0.000	Ug5_2_8_L_0						
35 D	13.81	2.9720E-04	13.26	46.32	68.00	53.31	UL-RL	2.4680E+04	-6.800	22.74	
1.000	1.000	69.06	0.000	0.000	Ug5_2_8_L_0						
36 D	14.59	3.1386E-04	14.74	47.69	70.00	54.22	UL-RL	2.4680E+04	-7.000	25.26	
1.000	1.000	72.95	0.000	0.000	Ug5_2_8_L_0						
37 D	15.37	3.2950E-04	16.21	49.04	72.00	55.12	UL-RL	2.4680E+04	-7.200	27.79	
1.000	1.000	76.83	0.000	0.000	Ug5_2_8_L_0						
38 D	16.13	3.4382E-04	17.68	50.35	74.00	56.01	UL-RL	2.4680E+04	-7.400	30.32	
1.000	1.000	80.67	0.000	0.000	Ug5_2_8_L_0						
39 D	16.89	3.5663E-04	19.16	51.62	76.00	56.89	UL-RL	2.4680E+04	-7.600	32.84	
1.000	1.000	84.46	0.000	0.000	Ug5_2_8_L_0						
40 D	17.64	3.6778E-04	20.63	52.83	78.00	57.77	UL-RL	2.4680E+04	-7.800	35.37	
1.000	1.000	88.20	0.000	0.000	Ug5_2_8_L_0						
41 D	18.38	3.7722E-04	22.11	53.98	80.00	58.64	UL-RL	2.4680E+04	-8.000	37.89	
1.000	1.000	91.88	0.000	0.000	Ug5_2_8_L_0						
42 D	19.10	3.8492E-04	23.58	55.08	82.00	59.51	UL-RL	2.4680E+04	-8.200	40.42	
1.000	1.000	95.50	0.000	0.000	Ug5_2_8_L_0						
43 D	19.81	3.9092E-04	25.05	56.10	84.00	60.37	UL-RL	2.4680E+04	-8.400	42.95	
1.000	1.000	99.05	0.000	0.000	Ug5_2_8_L_0						
44 D	20.51	3.9529E-04	26.53	57.07	86.00	61.23	UL-RL	2.4680E+04	-8.600	45.47	
1.000	1.000	102.5	0.000	0.000	Ug5_2_8_L_0						
45 D	21.20	3.9812E-04	28.00	57.98	88.00	62.09	UL-RL	2.4680E+04	-8.800	48.00	
1.000	1.000	106.0	0.000	0.000	Ug5_2_8_L_0						
46 D	21.87	3.9951E-04	29.47	58.83	90.00	62.94	UL-RL	2.4680E+04	-9.000	50.53	
1.000	1.000	109.4	0.000	0.000	Ug5_2_8_L_0						
47 D	22.54	3.9960E-04	30.95	59.63	92.00	63.79	UL-RL	2.4680E+04	-9.200	53.05	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
48 D	23.19	3.9852E-04	32.42	60.37	94.00	64.64	UL-RL	2.4680E+04	-9.400	55.58	
1.000	1.000	116.0	0.000	0.000	Ug5_2_8_L_0						
49 D	23.84	3.9641E-04	33.89	61.08	96.00	65.48	UL-RL	2.4680E+04	-9.600	58.11	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
50 D	24.48	3.9339E-04	35.37	61.74	98.00	66.32	UL-RL	2.4680E+04	-9.800	60.63	
1.000	1.000	122.4	0.000	0.000	Ug5_2_8_L_0						
51 D	25.11	3.8959E-04	36.84	62.38	100.00	67.17	UL-RL	2.4680E+04	-10.00	63.16	
1.000	1.000	125.5	0.000	0.000	Ug5_2_8_L_0						
52 D	25.73	3.8516E-04	38.32	62.98	102.0	68.01	UL-RL	2.4680E+04	-10.20	65.68	
1.000	1.000	128.7	0.000	0.000	Ug5_2_8_L_0						
53 D	26.35	3.8020E-04	39.79	63.56	104.0	68.85	UL-RL	2.4680E+04	-10.40	68.21	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
54 D	26.97	3.7481E-04	41.26	64.12	106.0	69.69	UL-RL	2.4680E+04	-10.60	70.74	
1.000	1.000	134.9	0.000	0.000	Ug5_2_8_L_0						
55 D	27.59	3.6910E-04	42.74	64.66	108.0	70.52	UL-RL	2.4680E+04	-10.80	73.26	
1.000	1.000	137.9	0.000	0.000	Ug5_2_8_L_0						
56 D	28.20	3.6315E-04	44.21	65.19	110.0	71.36	UL-RL	2.4680E+04	-11.00	75.79	
1.000	1.000	141.0	0.000	0.000	Ug5_2_8_L_0						
57 D	28.81	3.5703E-04	45.68	65.72	112.0	72.20	UL-RL	2.4680E+04	-11.20	78.32	
1.000	1.000	144.0	0.000	0.000	Ug5_2_8_L_0						
58 D	29.41	3.5080E-04	47.16	66.23	114.0	73.04	UL-RL	2.4680E+04	-11.40	80.84	
1.000	1.000	147.1	0.000	0.000	Ug5_2_8_L_0						
59 D	30.02	3.4451E-04	48.63	66.74	116.0	73.88	UL-RL	2.4680E+04	-11.60	83.37	
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0						
60 D	30.63	3.3819E-04	50.11	67.25	118.0	74.72	UL-RL	2.4680E+04	-11.80	85.89	
1.000	1.000	153.1	0.000	0.000	Ug5_2_8_L_0						
61 D	15.62	3.3186E-04	51.58	67.76	120.0	75.56	UL-RL	2.4680E+04	-12.00	88.42	
1.000	1.000	156.2	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-7.94529E-11 7.94529E-11-7.95874E-12-1.61591E-11
    2 0.42711    -0.42711     7.39630E-12 8.54216E-02
    3  1.3027     -1.3027    -8.54216E-02 0.34595
    4  2.6355     -2.6355    -0.34595     0.87305
    5  4.4430     -4.4430    -0.87305      1.7617
    6  6.7252     -6.7252     -1.7617      3.1067
    7  9.4576     -9.4576     -3.1067      4.9982
    8  12.635     -12.635     -4.9982      7.5252
    9  16.263     -16.263     -7.5252      10.778
   10  20.330     -20.330     -10.778      14.844
   11  24.843     -24.843     -14.844      19.812
   12  29.794     -29.794     -19.812      25.771
   13  35.188     -35.188     -25.771      32.809
   14  41.211     -41.211     -32.809      41.051
   15  47.934     -47.934     -41.051      50.638
   16  55.335     -55.335     -50.638      61.705
   17  63.387     -63.387     -61.705      74.382
   18  72.046     -72.046     -74.382      88.791
   19  81.264     -81.264     -88.791      105.04
   20  90.979     -90.979     -105.04      123.24
   21 -79.895      79.895     -123.24      107.26
   22 -69.265      69.265     -107.26      93.408
   23 -58.218      58.218     -93.408      81.764
   24 -46.823      46.823     -81.764      72.400
   25 -35.141      35.141     -72.400      65.372
   26 -68.414      68.414     -65.372      51.689
   27 -57.876      57.876     -51.689      40.114
   28 -48.908      48.908     -40.114      30.332
   29 -41.651      41.651     -30.332      22.002
   30 -36.221      36.221     -22.002      14.758
   31 -31.024      31.024     -14.758      8.5529
   32 -26.087      26.087     -8.5529      3.3355
   33 -21.477      21.477     -3.3355    -0.95980
   34 -17.241      17.241     0.95980     -4.4079
   35 -13.408      13.408      4.4079     -7.0894
   36 -9.9916      9.9916      7.0894     -9.0878
   37 -6.9936      6.9936      9.0878     -10.486
   38 -4.4043      4.4043      10.486     -11.367
   39 -2.2062      2.2062      11.367     -11.809
   40-0.37595     0.37595      11.809     -11.884
   41  1.1143     -1.1143      11.884     -11.661
   42  2.2951     -2.2951      11.661     -11.202
   43  3.1981     -3.1981      11.202     -10.562
   44  3.8556     -3.8556      10.562     -9.7912
   45  4.2990     -4.2990      9.7912     -8.9314
   46  4.5584     -4.5584      8.9314     -8.0197
   47  4.6622     -4.6622      8.0197     -7.0872
   48  4.6365     -4.6365      7.0872     -6.1600
   49  4.5046     -4.5046      6.1600     -5.2590
   50  4.2876     -4.2876      5.2590     -4.4015
   51  4.0035     -4.0035      4.4015     -3.6008
   52  3.6680     -3.6680      3.6008     -2.8672
   53  3.2939     -3.2939      2.8672     -2.2084
   54  2.8917     -2.8917      2.2084     -1.6301
   55  2.4698     -2.4698      1.6301     -1.1361
   56  2.0345     -2.0345      1.1361    -0.72924
   57  1.5902     -1.5902     0.72924    -0.41120
   58  1.1402     -1.1402     0.41120    -0.18316
   59 0.68626    -0.68626     0.18316    -4.59056E-02
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   60 0.22952    -0.22952     4.59056E-02-8.67403E-13

ITER     0 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM=0.1923E+06 REMNOR=0.4981E-21 RATIO = 1.074     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT= 1.074     RATIOR= 0.000
           MAX UN= 180.7     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-322.3     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM= 491.0     REMNOR=0.3064E-20 RATIO =0.5428E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT=0.5428E-01 RATIOR= 0.000
           MAX UN= 3.373     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-9.116     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM= 16.45     REMNOR=0.3671E-20 RATIO =0.9935E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT=0.9935E-02 RATIOR= 0.000
           MAX UN= 2.071     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-2.448     IEQ=    67 NODE     34 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM=0.1819     REMNOR=0.1435E-20 RATIO =0.1045E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT=0.1045E-02 RATIOR= 0.000
           MAX UN=0.4245E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2562     IEQ=    29 NODE     15 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM=0.1299     REMNOR=0.3183E-20 RATIO =0.8830E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT=0.8830E-03 RATIOR= 0.000
           MAX UN=0.1281     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.1926E-01 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1666E+06 RIMNOR=0.1883E+06
           RENORM=0.9768E-04 REMNOR=0.2342E-20 RATIO =0.2421E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 322.0     RMMAX = 123.2
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1666E+06 RDR   =0.1883E+06
           RATIOT=0.2421E-04 RATIOR= 0.000
           MAX UN=0.2061E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.7227E-02 IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.2641029E-03  -1.6795637E-03
    2   4.9281901E-03  -1.6795637E-03
    3   4.5922794E-03  -1.6795335E-03
    4   4.2563849E-03  -1.6793809E-03
    5   3.9205456E-03  -1.6789502E-03
    6   3.5848381E-03  -1.6780202E-03
    7   3.2493900E-03  -1.6763024E-03
    8   2.9143932E-03  -1.6734437E-03
    9   2.5801163E-03  -1.6690277E-03
   10   2.2469178E-03  -1.6625753E-03
   11   1.9152581E-03  -1.6535448E-03
   12   1.5857120E-03  -1.6413325E-03
   13   1.2589816E-03  -1.6252721E-03
   14   9.3591513E-04  -1.6045326E-03
   15   6.1755474E-04  -1.5780009E-03
   16   3.0519185E-04  -1.5443129E-03
   17   4.0840564E-07  -1.5019196E-03
   18  -2.9488319E-04  -1.4491114E-03
   19  -5.7841727E-04  -1.3840199E-03
   20  -8.4753745E-04  -1.3046227E-03
   21  -1.0991666E-03  -1.2087475E-03
   22  -1.3297821E-03  -1.0940767E-03
   23  -1.5353805E-03  -9.5815458E-04
   24  -1.7114545E-03  -7.9839017E-04
   25  -1.8529660E-03  -6.1206734E-04
   26  -1.9558923E-03  -4.1990816E-04
   27  -2.0219147E-03  -2.4253500E-04
   28  -2.0536890E-03  -7.6907376E-05
   29  -2.0532506E-03   8.0125636E-05
   30  -2.0219953E-03   2.3181053E-04
   31  -1.9606614E-03   3.8147129E-04
   32  -1.8704917E-03   5.1486525E-04
   33  -1.7567494E-03   6.1775405E-04
   34  -1.6252016E-03   6.9346997E-04
   35  -1.4809551E-03   7.4528074E-04
   36  -1.3284700E-03   7.7638098E-04
   37  -1.1715833E-03   7.8978417E-04
   38  -1.0135523E-03   7.8825942E-04
   39  -8.5710368E-04   7.7437202E-04
   40  -7.0447018E-04   7.5048494E-04
   41  -5.5743207E-04   7.1876239E-04
   42  -4.1735616E-04   6.8117572E-04
   43  -2.8523366E-04   6.3951095E-04
   44  -1.6171636E-04   5.9537751E-04
   45  -4.7151614E-05   5.5021815E-04
   46   5.8387605E-05   5.0531813E-04
   47   1.5506676E-04   4.6178488E-04
   48   2.4325283E-04   4.2052071E-04
   49   3.2347342E-04   3.8223230E-04
   50   3.9637896E-04   3.4744752E-04
   51   4.6270989E-04   3.1653023E-04
   52   5.2326466E-04   2.8969465E-04
   53   5.7886400E-04   2.6702081E-04
   54   6.3034418E-04   2.4845713E-04
   55   6.7850990E-04   2.3383918E-04
   56   7.2412455E-04   2.2289170E-04
   57   7.6788602E-04   2.1523579E-04
   58   8.1040643E-04   2.1039333E-04
   59   8.5219264E-04   2.0779017E-04
   60   8.9362724E-04   2.0675817E-04
   61   9.3495260E-04   2.0654560E-04
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                                |
 |                                 Exe Time :24 May 2018       18:23:40                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -5.2641E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4138     -4.9282E-03   2.798      0.7355       2.798       4.707           UL-RL  4.1367E+04 -0.2000       1.333
1.000       1.000       2.069       0.000       0.000     Ug5_2_8_L_0
   3 D  0.8448     -4.5923E-03   6.025       1.557       6.025       8.349           UL-RL  4.1367E+04 -0.4000       2.667
1.000       1.000       4.224       0.000       0.000     Ug5_2_8_L_0
   4 D   1.285     -4.2564E-03   9.429       2.423       9.429       11.12           UL-RL  4.1367E+04 -0.6000       4.000
1.000       1.000       6.423       0.000       0.000     Ug5_2_8_L_0
   5 D   1.742     -3.9205E-03   13.18       3.376       13.18       13.46           UL-RL  4.1367E+04 -0.8000       5.333
1.000       1.000       8.709       0.000       0.000     Ug5_2_8_L_0
   6 D   2.199     -3.5848E-03   16.94       4.328       16.94       15.59           UL-RL  4.1367E+04  -1.000       6.667
1.000       1.000       10.99       0.000       0.000     Ug5_2_8_L_0
   7 D   2.632     -3.2494E-03   20.20       5.159       20.20       17.61           UL-RL  4.1367E+04  -1.200       8.000
1.000       1.000       13.16       0.000       0.000     Ug5_2_8_L_0
   8 D   3.059     -2.9144E-03   23.36       5.963       23.36       19.55           UL-RL  4.1367E+04  -1.400       9.333
1.000       1.000       15.30       0.000       0.000     Ug5_2_8_L_0
   9 D   3.492     -2.5801E-03   26.62       6.793       26.62       21.42           UL-RL  4.1367E+04  -1.600       10.67
1.000       1.000       17.46       0.000       0.000     Ug5_2_8_L_0
  10 D   3.914     -2.2469E-03   29.67       7.569       29.67       23.24           UL-RL  4.1367E+04  -1.800       12.00
1.000       1.000       19.57       0.000       0.000     Ug5_2_8_L_0
  11 D   4.341     -1.9153E-03   32.83       8.373       32.83       24.99           UL-RL  4.1367E+04  -2.000       13.33
1.000       1.000       21.71       0.000       0.000     Ug5_2_8_L_0
  12 D   4.765     -1.5857E-03   35.85       9.160       35.85       26.69           UL-RL  4.1367E+04  -2.200       14.67
1.000       1.000       23.83       0.000       0.000     Ug5_2_8_L_0
  13 D   6.599     -1.2590E-03   38.98       16.99       38.98       28.34           UL-RL  4.1367E+04  -2.400       16.00
1.000       1.000       32.99       0.000       0.000     Ug5_2_8_L_0
  14 D   8.618     -9.3592E-04   42.01       25.76       42.01       29.93           UL-RL  4.1367E+04  -2.600       17.33
1.000       1.000       43.09       0.000       0.000     Ug5_2_8_L_0
  15 D   10.03     -6.1755E-04   45.13       31.49       45.13       33.17           UL-RL  4.1367E+04  -2.800       18.67
1.000       1.000       50.16       0.000       0.000     Ug5_2_8_L_0
  16 D   11.14     -3.0519E-04   48.16       35.71       48.16       37.05           UL-RL  4.1367E+04  -3.000       20.00
1.000       1.000       55.71       0.000       0.000     Ug5_2_8_L_0
  17 D   12.24     -4.0841E-07   51.29       39.85       51.29       40.87           UL-RL  4.1367E+04  -3.200       21.33
1.000       1.000       61.18       0.000       0.000     Ug5_2_8_L_0
  18 D   13.30      2.9488E-04   54.34       43.86       54.34       44.58           UL-RL  4.1367E+04  -3.400       22.67
1.000       1.000       66.52       0.000       0.000     Ug5_2_8_L_0
  19 D   14.35      5.7842E-04   57.40       47.74       57.40       48.17           UL-RL  4.1367E+04  -3.600       24.00
1.000       1.000       71.74       0.000       0.000     Ug5_2_8_L_0
  20 D   15.36      8.4754E-04   60.53       51.46       60.53       51.62           UL-RL  4.1367E+04  -3.800       25.33
1.000       1.000       76.79       0.000       0.000     Ug5_2_8_L_0
  21 D   16.31      1.0992E-03   63.60       54.87       63.60       54.93           UL-RL  4.1367E+04  -4.000       26.67
1.000       1.000       81.54       0.000       0.000     Ug5_2_8_L_0
  22 D   17.26      1.3298E-03   66.73       58.30       66.73       58.34           UL-RL  4.1367E+04  -4.200       28.00
1.000       1.000       86.30       0.000       0.000     Ug5_2_8_L_0
  23 D   18.15      1.5354E-03   69.81       61.43       69.81       61.46           UL-RL  4.1367E+04  -4.400       29.33
1.000       1.000       90.77       0.000       0.000     Ug5_2_8_L_0
  24 D   18.98      1.7115E-03   72.94       64.21       72.94       64.23           UL-RL  4.1367E+04  -4.600       30.67
1.000       1.000       94.88       0.000       0.000     Ug5_2_8_L_0
  25 D   19.71      1.8530E-03   76.01       66.56       76.01       66.56           UL-RL  4.1367E+04  -4.800       32.00
1.000       1.000       98.56       0.000       0.000     Ug5_2_8_L_0
  26 D   20.35      1.9559E-03   79.08       68.43       79.08       68.43             V-C  1.3789E+04  -5.000       33.33
1.000       1.000       101.8       0.000       0.000     Ug5_2_8_L_0
  27 D   21.19      2.0219E-03   81.95       71.29       81.95       71.29             V-C  1.3789E+04  -5.200       34.67
1.000       1.000       106.0       0.000       0.000     Ug5_2_8_L_0
  28 D   21.90      2.0537E-03   84.82       73.50       84.82       73.50             V-C  1.3789E+04  -5.400       36.00
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1.000	1.000	109.5	0.000	0.000	Ug5_2_8_L_0						
29 D	22.49	2.0533E-03	87.70	75.10	87.70	75.10	V-C	1.3789E+04	-5.600	37.33	
1.000	1.000	112.4	0.000	0.000	Ug5_2_8_L_0						
30 D	22.96	2.0220E-03	90.59	76.13	90.59	76.13	V-C	1.3789E+04	-5.800	38.67	
1.000	1.000	114.8	0.000	0.000	Ug5_2_8_L_0						
31 D	23.33	1.9607E-03	93.47	76.63	93.47	76.63	V-C	1.3789E+04	-6.000	40.00	
1.000	1.000	116.6	0.000	0.000	Ug5_2_8_L_0						
32 D	23.59	1.8705E-03	96.36	76.62	96.36	76.62	V-C	1.3789E+04	-6.200	41.33	
1.000	1.000	118.0	0.000	0.000	Ug5_2_8_L_0						
33 D	23.78	1.7567E-03	99.25	76.21	99.25	76.21	V-C	1.3789E+04	-6.400	42.67	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
34 D	23.90	1.6252E-03	102.4	75.49	102.4	75.49	V-C	1.3789E+04	-6.600	44.00	
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0						
35 D	23.98	1.4810E-03	105.4	74.54	105.4	74.54	V-C	1.3789E+04	-6.800	45.33	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
36 D	24.02	1.3285E-03	109.0	73.44	109.0	73.44	V-C	1.3789E+04	-7.000	46.67	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
37 D	24.05	1.1716E-03	112.0	72.25	112.0	72.25	V-C	1.3789E+04	-7.200	48.00	
1.000	1.000	120.3	0.000	0.000	Ug5_2_8_L_0						
38 D	24.07	1.0136E-03	115.5	71.02	115.5	71.02	V-C	1.3789E+04	-7.400	49.33	
1.000	1.000	120.4	0.000	0.000	Ug5_2_8_L_0						
39 D	24.09	8.5710E-04	118.5	69.81	118.5	69.81	V-C	1.3789E+04	-7.600	50.67	
1.000	1.000	120.5	0.000	0.000	Ug5_2_8_L_0						
40 D	24.13	7.0447E-04	122.0	68.63	122.0	68.63	V-C	1.3789E+04	-7.800	52.00	
1.000	1.000	120.6	0.000	0.000	Ug5_2_8_L_0						
41 D	24.17	5.5743E-04	125.4	67.54	125.4	67.54	V-C	1.3789E+04	-8.000	53.33	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
42 D	24.24	4.1736E-04	128.3	66.54	128.3	66.54	V-C	1.3789E+04	-8.200	54.67	
1.000	1.000	121.2	0.000	0.000	Ug5_2_8_L_0						
43 D	24.33	2.8523E-04	131.7	65.66	131.7	65.66	V-C	1.3789E+04	-8.400	56.00	
1.000	1.000	121.7	0.000	0.000	Ug5_2_8_L_0						
44 D	24.45	1.6172E-04	134.6	64.91	134.6	64.91	V-C	1.3789E+04	-8.600	57.33	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
45 D	24.59	4.7152E-05	138.0	64.29	138.0	64.29	V-C	1.3789E+04	-8.800	58.67	
1.000	1.000	123.0	0.000	0.000	Ug5_2_8_L_0						
46 D	24.32	-5.8388E-05	140.8	61.61	140.8	64.90	UL-RL	4.1367E+04	-9.000	60.00	
1.000	1.000	121.6	0.000	0.000	Ug5_2_8_L_0						
47 D	24.02	-1.5507E-04	144.2	58.75	144.2	65.79	UL-RL	4.1367E+04	-9.200	61.33	
1.000	1.000	120.1	0.000	0.000	Ug5_2_8_L_0						
48 D	23.79	-2.4325E-04	147.0	56.28	147.0	66.68	UL-RL	4.1367E+04	-9.400	62.67	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
49 D	23.63	-3.2347E-04	150.3	54.17	150.3	67.57	UL-RL	4.1367E+04	-9.600	64.00	
1.000	1.000	118.2	0.000	0.000	Ug5_2_8_L_0						
50 D	23.55	-3.9638E-04	153.2	52.40	153.2	68.45	UL-RL	4.1367E+04	-9.800	65.33	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
51 D	23.52	-4.6271E-04	156.4	50.91	156.4	69.34	UL-RL	4.1367E+04	-10.00	66.67	
1.000	1.000	117.6	0.000	0.000	Ug5_2_8_L_0						
52 D	23.54	-5.2326E-04	159.2	49.69	159.2	70.22	UL-RL	4.1367E+04	-10.20	68.00	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
53 D	23.61	-5.7886E-04	162.5	48.70	162.5	71.11	UL-RL	4.1367E+04	-10.40	69.33	
1.000	1.000	118.0	0.000	0.000	Ug5_2_8_L_0						
54 D	23.71	-6.3034E-04	165.7	47.89	165.7	71.99	UL-RL	4.1367E+04	-10.60	70.67	
1.000	1.000	118.6	0.000	0.000	Ug5_2_8_L_0						
55 D	23.85	-6.7851E-04	168.5	47.23	168.5	72.87	UL-RL	4.1367E+04	-10.80	72.00	
1.000	1.000	119.2	0.000	0.000	Ug5_2_8_L_0						
56 D	24.00	-7.2412E-04	171.7	46.68	171.7	73.75	UL-RL	4.1367E+04	-11.00	73.33	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
57 D	24.18	-7.6789E-04	174.5	46.22	174.5	74.64	UL-RL	4.1367E+04	-11.20	74.67	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
58 D	24.36	-8.1041E-04	177.6	45.81	177.6	75.52	UL-RL	4.1367E+04	-11.40	76.00	
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0						
59 D	24.55	-8.5219E-04	180.4	45.44	180.4	76.40	UL-RL	4.1367E+04	-11.60	77.33	
1.000	1.000	122.8	0.000	0.000	Ug5_2_8_L_0						
60 D	24.88	-8.9363E-04	183.6	45.71	183.6	77.28	ACTIVE	0.000	-11.80	78.67	
1.000	1.000	124.4	0.000	0.000	Ug5_2_8_L_0						
61 D	12.64	-9.3495E-04	186.4	46.41	186.4	78.16	ACTIVE	0.000	-12.00	80.00	
1.000	1.000	126.4	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                       |
 |                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                        |
 |                                 Exe Time :24 May 2018       18:23:40                                                  |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --       -5.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  28     0.000         --          --          --          --          --          REMOVED     --       -5.400       0.000
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1.000	1.000	0.000	0.000	0.000	not available						
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
32	D	0.5997	-1.8705E-03	1.333	0.3320	62.00	50.51	ACTIVE	0.000	-6.200	2.667
1.000	1.000	2.999	0.000	0.000	Ug5_2_8_L_0						
33	D	1.199	-1.7567E-03	2.667	0.6640	64.00	51.46	ACTIVE	0.000	-6.400	5.333
1.000	1.000	5.997	0.000	0.000	Ug5_2_8_L_0						
34	D	1.799	-1.6252E-03	4.000	0.9960	66.00	52.39	ACTIVE	0.000	-6.600	8.000
1.000	1.000	8.996	0.000	0.000	Ug5_2_8_L_0						
35	D	2.399	-1.4810E-03	5.333	1.328	68.00	53.31	ACTIVE	0.000	-6.800	10.67
1.000	1.000	11.99	0.000	0.000	Ug5_2_8_L_0						
36	D	4.398	-1.3285E-03	6.667	8.656	70.00	54.22	UL-RL	2.0566E+04	-7.000	13.33
1.000	1.000	21.99	0.000	0.000	Ug5_2_8_L_0						
37	D	5.817	-1.1716E-03	8.000	13.08	72.00	55.12	UL-RL	2.0566E+04	-7.200	16.00
1.000	1.000	29.08	0.000	0.000	Ug5_2_8_L_0						
38	D	7.231	-1.0136E-03	9.333	17.49	74.00	56.01	UL-RL	2.0566E+04	-7.400	18.67
1.000	1.000	36.15	0.000	0.000	Ug5_2_8_L_0						
39	D	8.629	-8.5710E-04	10.67	21.81	76.00	56.89	UL-RL	2.0566E+04	-7.600	21.33
1.000	1.000	43.15	0.000	0.000	Ug5_2_8_L_0						
40	D	10.00	-7.0447E-04	12.00	26.02	78.00	57.77	UL-RL	2.0566E+04	-7.800	24.00
1.000	1.000	50.02	0.000	0.000	Ug5_2_8_L_0						
41	D	11.35	-5.5743E-04	13.33	30.06	80.00	58.64	UL-RL	2.0566E+04	-8.000	26.67
1.000	1.000	56.73	0.000	0.000	Ug5_2_8_L_0						
42	D	12.65	-4.1736E-04	14.67	33.93	82.00	59.51	UL-RL	2.0566E+04	-8.200	29.33
1.000	1.000	63.26	0.000	0.000	Ug5_2_8_L_0						
43	D	13.92	-2.8523E-04	16.00	37.59	84.00	60.37	UL-RL	2.0566E+04	-8.400	32.00
1.000	1.000	69.59	0.000	0.000	Ug5_2_8_L_0						
44	D	15.14	-1.6172E-04	17.33	41.04	86.00	61.23	UL-RL	2.0566E+04	-8.600	34.67
1.000	1.000	75.71	0.000	0.000	Ug5_2_8_L_0						
45	D	16.32	-4.7152E-05	18.67	44.27	88.00	62.09	UL-RL	2.0566E+04	-8.800	37.33
1.000	1.000	81.60	0.000	0.000	Ug5_2_8_L_0						
46	D	17.45	5.8388E-05	20.00	47.27	90.00	62.94	UL-RL	2.0566E+04	-9.000	40.00
1.000	1.000	87.27	0.000	0.000	Ug5_2_8_L_0						
47	D	18.55	1.5507E-04	21.33	50.07	92.00	63.79	UL-RL	2.0566E+04	-9.200	42.67
1.000	1.000	92.73	0.000	0.000	Ug5_2_8_L_0						
48	D	19.60	2.4325E-04	22.67	52.66	94.00	64.64	UL-RL	2.0566E+04	-9.400	45.33
1.000	1.000	97.99	0.000	0.000	Ug5_2_8_L_0						
49	D	20.61	3.2347E-04	24.00	55.06	96.00	65.48	UL-RL	2.0566E+04	-9.600	48.00
1.000	1.000	103.1	0.000	0.000	Ug5_2_8_L_0						
50	D	21.59	3.9638E-04	25.33	57.28	98.00	66.32	UL-RL	2.0566E+04	-9.800	50.67
1.000	1.000	107.9	0.000	0.000	Ug5_2_8_L_0						
51	D	22.54	4.6271E-04	26.67	59.35	100.00	67.17	UL-RL	2.0566E+04	-10.00	53.33
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
52	D	23.46	5.2326E-04	28.00	61.28	102.0	68.01	UL-RL	2.0566E+04	-10.20	56.00
1.000	1.000	117.3	0.000	0.000	Ug5_2_8_L_0						
53	D	24.35	5.7886E-04	29.33	63.10	104.0	68.85	UL-RL	2.0566E+04	-10.40	58.67
1.000	1.000	121.8	0.000	0.000	Ug5_2_8_L_0						
54	D	25.23	6.3034E-04	30.67	64.81	106.0	69.69	UL-RL	2.0566E+04	-10.60	61.33
1.000	1.000	126.1	0.000	0.000	Ug5_2_8_L_0						
55	D	26.09	6.7851E-04	32.00	66.45	108.0	70.52	UL-RL	2.0566E+04	-10.80	64.00
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0						
56	D	26.94	7.2412E-04	33.33	68.03	110.0	71.36	UL-RL	2.0566E+04	-11.00	66.67
1.000	1.000	134.7	0.000	0.000	Ug5_2_8_L_0						
57	D	27.78	7.6789E-04	34.67	69.56	112.0	72.20	UL-RL	2.0566E+04	-11.20	69.33
1.000	1.000	138.9	0.000	0.000	Ug5_2_8_L_0						
58	D	28.61	8.1041E-04	36.00	71.05	114.0	73.04	UL-RL	2.0566E+04	-11.40	72.00
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0						
59	D	29.44	8.5219E-04	37.33	72.53	116.0	73.88	UL-RL	2.0566E+04	-11.60	74.67
1.000	1.000	147.2	0.000	0.000	Ug5_2_8_L_0						
60	D	30.27	8.9363E-04	38.67	74.00	118.0	74.72	UL-RL	2.0566E+04	-11.80	77.33
1.000	1.000	151.3	0.000	0.000	Ug5_2_8_L_0						
61	D	15.55	9.3495E-04	40.00	75.47	120.0	75.56	UL-RL	2.0566E+04	-12.00	80.00
1.000	1.000	155.5	0.000	0.000	Ug5_2_8_L_0						

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A1M1R1_1757                                         |
|                                  Exe Time :24 May 2018       18:23:40                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.13474E-10-1.13474E-10 1.14719E-11-1.39932E-12
    2 0.41377    -0.41377     2.73155E-11 8.27530E-02
    3  1.2585     -1.2585    -8.27530E-02 0.33446
    4  2.5431     -2.5431    -0.33446     0.84308
    5  4.2850     -4.2850    -0.84308      1.7001
    6  6.4839     -6.4839     -1.7001      2.9969
    7  9.1156     -9.1156     -2.9969      4.8200
    8  12.175     -12.175     -4.8200      7.2550
    9  15.667     -15.667     -7.2550      10.388
   10  19.581     -19.581     -10.388      14.304
   11  23.922     -23.922     -14.304      19.089
   12  28.687     -28.687     -19.089      24.826
   13  35.286     -35.286     -24.826      31.883
   14  43.904     -43.904     -31.883      40.664
   15  53.936     -53.936     -40.664      51.451
   16  65.079     -65.079     -51.451      64.467
   17  77.315     -77.315     -64.467      79.930
   18  90.620     -90.620     -79.930      98.054
   19  104.97     -104.97     -98.054      119.05
   20  120.33     -120.33     -119.05      143.11
   21  136.64     -136.64     -143.11      170.44
   22  153.91     -153.91     -170.44      201.22
   23  172.06     -172.06     -201.22      235.63
   24  191.04     -191.04     -235.63      273.84
   25 -111.25      111.25     -273.84      251.59
   26 -90.894      90.894     -251.59      233.41
   27 -69.702      69.702     -233.41      219.47
   28 -47.802      47.802     -219.47      209.91
   29 -25.316      25.316     -209.91      204.85
   30 -2.3574      2.3574     -204.85      204.38
   31 -220.03      220.03     -204.38      160.37
   32 -197.04      197.04     -160.37      120.96
   33 -174.46      174.46     -120.96      86.071
   34 -152.36      152.36     -86.071      55.599
   35 -130.79      130.79     -55.599      29.441
   36 -111.16      111.16     -29.441      7.2084
   37 -92.931      92.931     -7.2084     -11.378
   38 -76.090      76.090      11.378     -26.596
   39 -60.625      60.625      26.596     -38.721
   40 -46.501      46.501      38.721     -48.021
   41 -33.672      33.672      48.021     -54.755
   42 -22.083      22.083      54.755     -59.172
   43 -11.668      11.668      59.172     -61.506
   44 -2.3610      2.3610      61.506     -61.978
   45  5.9099     -5.9099      61.978     -60.796
   46  12.776     -12.776      60.796     -58.240
   47  18.246     -18.246      58.240     -54.591
   48  22.438     -22.438      54.591     -50.104
   49  25.461     -25.461      50.104     -45.011
   50  27.417     -27.417      45.011     -39.528
   51  28.396     -28.396      39.528     -33.849
   52  28.478     -28.478      33.849     -28.153
   53  27.732     -27.732      28.153     -22.607
   54  26.214     -26.214      22.607     -17.364
   55  23.969     -23.969      17.364     -12.570
   56  21.033     -21.033      12.570     -8.3638
   57  17.432     -17.432      8.3638     -4.8773
   58  13.183     -13.183      4.8773     -2.2407
   59  8.2973     -8.2973      2.2407    -0.58121
```

60	2.9059	-2.9059	0.58121	1.83888E-12

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A1M1R1_1757                                          |
|                                Exe Time :24 May 2018       18:23:40                                                     |
+-------------------------------------------------------------------------------------------------------------------------+


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

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.05 [sec]
DATABASE  CREATION CPU TIME.....    0.21 [sec]
```

Design Assumption : A2+M2+R1 - File di Paratie - File di output (.out)

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:23:41                                                    |
+-------------------------------------------------------------------------------------------------------------------------+

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



 JOB : NewProject.BaseDesignSection_28.A2M2R1_1787
 STARTING
ACCEPTED   <FILE,GENW                                                                  >
ACCEPTED   <FILE,PLOTTER,BINARY                                                        >
ACCEPTED   <SOLVE TOTAL_STRESS                                                         >
ACCEPTED   <PARAM ITEMAX 40                                                            >
ACCEPTED   <CONTROL HINGES 0 0.0001 0.001                                              >



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

PRELIMINARY OPERATIONS CPU TIME     0.00 [sec]
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                 Exe Time :24 May 2018       18:23:41                                                    |
+-------------------------------------------------------------------------------------------------------------------------+


INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM


New Project


NO. OF NODAL POINTS (NUMNP) ...................   61
NO. OF COORDINATES  (NCOORD)...................    2
NO. OF NODE DOFS    (NDOF).....................    2
NO. OF EQUATIONS    (NEQ)...................... 122
NO. OF CONSTRAINTS CARDS (NVINC)...............    0
NO. OF ELEMENT GROUPS (NEG)....................    3
NO. OF SOLUTION STEPS (NSTE)...................    7
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ...    0
NO. OF RECORD FROM WALGEN .....................   86
NO. OF LONG NAMES (LASTNAME) ..................   20
LENGTH UNIT CHOICE ............................    3 (M   )
FORCE  UNIT CHOICE ............................    3 (KN  )
MAX PORE PRESSURE TABLE LENGTH.................    1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF .    0


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

 RELEVANT ITEMS UNITS

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

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:23:41                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
                   P R E P R O C E S S O R     D A T A

                   N O.  O F   C O M M A N D S     86

    1 : UNIT  m kN
    2 : TITLE New Project
    3 : DELTA 0.2
    4 : option param itemax 40
    5 : option control hinges 0 0.0001 0.001
    6 : WALL LeftWall_32 0 -12 0 1
    7 : SOIL 0_L LeftWall_32 -12 0 1 0
    8 : SOIL 0_R LeftWall_32 -12 0 2 180
    9 : LDATA Ug5_2_8_L_0 0 LeftWall_32
   10 : ATREST 0.5 0.5 1
   11 : WEIGHT 19 10 10
   12 : PERMEABILITY 0.0001
   13 : RESISTANCE 0 37
   14 : YOUNG 5.5E+04 1.65E+05
   15 : ENDL
   16 : MATERIAL S355_114 2.1E+08
   17 : BEAM WallElement_33 LeftWall_32 -12 0 S355_114 0.25 00 00 0
   18 : STRIP LeftWall_32 1 7 5 13 0 62 45
   19 : STRIP LeftWall_32 1 7 18 17 0 45 45
   20 : STRIP LeftWall_32 1 7 0.5 4.5 0 13 45
   21 : STEP Stage1_31
   22 : CHANGE Ug5_2_8_L_0 U-FRICT=31.08 LeftWall_32
   23 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   24 : CHANGE Ug5_2_8_L_0 U-KA=0.319 LeftWall_32
   25 : CHANGE Ug5_2_8_L_0 U-KP=4.578 LeftWall_32
   26 : CHANGE Ug5_2_8_L_0 D-KA=0.319 LeftWall_32
   27 : CHANGE Ug5_2_8_L_0 D-KP=4.578 LeftWall_32
   28 : CHANGE Ug5_2_8_L_0 U-COHE=0 LeftWall_32
   29 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   30 : SETWALL LeftWall_32
   31 : GEOM 0 0
   32 : WATER 0 0 -12 0 0
   33 : ADD WallElement_33
   34 : ENDSTEP
   35 : STEP Stage2_158
   36 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   37 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   38 : SETWALL LeftWall_32
   39 : GEOM 0 -1
   40 : WATER 0 1 -12 0 0
   41 : ENDSTEP
   42 : STEP Stage3_255
   43 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   44 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   45 : SETWALL LeftWall_32
   46 : GEOM 0 -2
   47 : WATER 0 2 -12 0 0
   48 : ENDSTEP
   49 : STEP Stage4_352
   50 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   51 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   52 : SETWALL LeftWall_32
   53 : GEOM 0 -3
   54 : WATER 0 3 -12 0 0
   55 : LOAD step LeftWall_32 -2.7 1 -20
   56 : LOAD step LeftWall_32 -3 1 -72
   57 : ENDSTEP
   58 : STEP Stage5_449
   59 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
   60 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
   61 : SETWALL LeftWall_32
   62 : GEOM 0 -4
   63 : SURCHARGE 0 0 0 -4
   64 : WATER 0 4 -12 0 0
   65 : LOAD step LeftWall_32 -4 1 -80.5
   66 : LOAD step LeftWall_32 -3.3 1 -105
   67 : ENDSTEP
   68 : STEP Stage6_546
```

```
69 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
70 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
71 : SETWALL LeftWall_32
72 : GEOM 0 -5
73 : SURCHARGE 0 0 0 0
74 : WATER 0 5 -12 0 0
75 : LOAD step LeftWall_32 -5 1 -45.2
76 : LOAD step LeftWall_32 -4 1 -181
77 : ENDSTEP
78 : STEP Stage7_643
79 : CHANGE Ug5_2_8_L_0 D-FRICT=31.08 LeftWall_32
80 : CHANGE Ug5_2_8_L_0 D-COHE=0 LeftWall_32
81 : SETWALL LeftWall_32
82 : GEOM 0 -6
83 : WATER 0 6 -12 0 0
84 : LOAD constant LeftWall_32 -6 1 -241
85 : LOAD constant LeftWall_32 -4.7 1 -322
86 : ENDSTEP
```

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
|                                 Exe Time :24 May 2018       18:23:41                                                          |
+-------------------------------------------------------------------------------------------------------------------------------+
N O D A L    P O I N T    D A T A
--------------------------------
```

NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/	2	0.0000	-0.20000	/	3	0.0000	-0.40000	/	4	0.0000	-0.60000	/
5	0.0000	-0.80000	/	6	0.0000	-1.0000	/	7	0.0000	-1.2000	/	8	0.0000	-1.4000	/
9	0.0000	-1.6000	/	10	0.0000	-1.8000	/	11	0.0000	-2.0000	/	12	0.0000	-2.2000	/
13	0.0000	-2.4000	/	14	0.0000	-2.6000	/	15	0.0000	-2.8000	/	16	0.0000	-3.0000	/
17	0.0000	-3.2000	/	18	0.0000	-3.4000	/	19	0.0000	-3.6000	/	20	0.0000	-3.8000	/
21	0.0000	-4.0000	/	22	0.0000	-4.2000	/	23	0.0000	-4.4000	/	24	0.0000	-4.6000	/
25	0.0000	-4.8000	/	26	0.0000	-5.0000	/	27	0.0000	-5.2000	/	28	0.0000	-5.4000	/
29	0.0000	-5.6000	/	30	0.0000	-5.8000	/	31	0.0000	-6.0000	/	32	0.0000	-6.2000	/
33	0.0000	-6.4000	/	34	0.0000	-6.6000	/	35	0.0000	-6.8000	/	36	0.0000	-7.0000	/
37	0.0000	-7.2000	/	38	0.0000	-7.4000	/	39	0.0000	-7.6000	/	40	0.0000	-7.8000	/
41	0.0000	-8.0000	/	42	0.0000	-8.2000	/	43	0.0000	-8.4000	/	44	0.0000	-8.6000	/
45	0.0000	-8.8000	/	46	0.0000	-9.0000	/	47	0.0000	-9.2000	/	48	0.0000	-9.4000	/
49	0.0000	-9.6000	/	50	0.0000	-9.8000	/	51	0.0000	-10.000	/	52	0.0000	-10.200	/
53	0.0000	-10.400	/	54	0.0000	-10.600	/	55	0.0000	-10.800	/	56	0.0000	-11.000	/
57	0.0000	-11.200	/	58	0.0000	-11.400	/	59	0.0000	-11.600	/	60	0.0000	-11.800	/
61	0.0000	-12.000	/												

```
+-------------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
|                                                                                                                               |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                               |
|                                  Exe Time :24 May 2018       18:23:41                                                         |
+-------------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  1

0_L                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     1.000
    2    2    1   0.2000     0.000     0.000     0.000     1.000
    3    3    1   0.2000     0.000     0.000     0.000     1.000
    4    4    1   0.2000     0.000     0.000     0.000     1.000
    5    5    1   0.2000     0.000     0.000     0.000     1.000
    6    6    1   0.2000     0.000     0.000     0.000     1.000
    7    7    1   0.2000     0.000     0.000     0.000     1.000
    8    8    1   0.2000     0.000     0.000     0.000     1.000
    9    9    1   0.2000     0.000     0.000     0.000     1.000
   10   10    1   0.2000     0.000     0.000     0.000     1.000
   11   11    1   0.2000     0.000     0.000     0.000     1.000
   12   12    1   0.2000     0.000     0.000     0.000     1.000
   13   13    1   0.2000     0.000     0.000     0.000     1.000
   14   14    1   0.2000     0.000     0.000     0.000     1.000
   15   15    1   0.2000     0.000     0.000     0.000     1.000
   16   16    1   0.2000     0.000     0.000     0.000     1.000
   17   17    1   0.2000     0.000     0.000     0.000     1.000
   18   18    1   0.2000     0.000     0.000     0.000     1.000
   19   19    1   0.2000     0.000     0.000     0.000     1.000
   20   20    1   0.2000     0.000     0.000     0.000     1.000
   21   21    1   0.2000     0.000     0.000     0.000     1.000
   22   22    1   0.2000     0.000     0.000     0.000     1.000
   23   23    1   0.2000     0.000     0.000     0.000     1.000
   24   24    1   0.2000     0.000     0.000     0.000     1.000
   25   25    1   0.2000     0.000     0.000     0.000     1.000
   26   26    1   0.2000     0.000     0.000     0.000     1.000
   27   27    1   0.2000     0.000     0.000     0.000     1.000
   28   28    1   0.2000     0.000     0.000     0.000     1.000
   29   29    1   0.2000     0.000     0.000     0.000     1.000
   30   30    1   0.2000     0.000     0.000     0.000     1.000
   31   31    1   0.2000     0.000     0.000     0.000     1.000
   32   32    1   0.2000     0.000     0.000     0.000     1.000
   33   33    1   0.2000     0.000     0.000     0.000     1.000
   34   34    1   0.2000     0.000     0.000     0.000     1.000
   35   35    1   0.2000     0.000     0.000     0.000     1.000
   36   36    1   0.2000     0.000     0.000     0.000     1.000
   37   37    1   0.2000     0.000     0.000     0.000     1.000
   38   38    1   0.2000     0.000     0.000     0.000     1.000
   39   39    1   0.2000     0.000     0.000     0.000     1.000
   40   40    1   0.2000     0.000     0.000     0.000     1.000
   41   41    1   0.2000     0.000     0.000     0.000     1.000
```

42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.2000	0.000	0.000	0.000	1.000
47	47	1	0.2000	0.000	0.000	0.000	1.000
48	48	1	0.2000	0.000	0.000	0.000	1.000
49	49	1	0.2000	0.000	0.000	0.000	1.000
50	50	1	0.2000	0.000	0.000	0.000	1.000
51	51	1	0.2000	0.000	0.000	0.000	1.000
52	52	1	0.2000	0.000	0.000	0.000	1.000
53	53	1	0.2000	0.000	0.000	0.000	1.000
54	54	1	0.2000	0.000	0.000	0.000	1.000
55	55	1	0.2000	0.000	0.000	0.000	1.000
56	56	1	0.2000	0.000	0.000	0.000	1.000
57	57	1	0.2000	0.000	0.000	0.000	1.000
58	58	1	0.2000	0.000	0.000	0.000	1.000
59	59	1	0.2000	0.000	0.000	0.000	1.000
60	60	1	0.2000	0.000	0.000	0.000	1.000
61	61	1	0.1000	0.000	0.000	0.000	1.000

```
+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                       |
|                                  Exe Time :24 May 2018       18:23:41                                                 |
+-----------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  2

0_R                              :
   5  61   0   1   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
.....................................
.........2D PLASTIC SOIL ..........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

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


 element data

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

    1    1    1   0.1000     0.000     0.000     0.000     2.000
    2    2    1   0.2000     0.000     0.000     0.000     2.000
    3    3    1   0.2000     0.000     0.000     0.000     2.000
    4    4    1   0.2000     0.000     0.000     0.000     2.000
    5    5    1   0.2000     0.000     0.000     0.000     2.000
    6    6    1   0.2000     0.000     0.000     0.000     2.000
    7    7    1   0.2000     0.000     0.000     0.000     2.000
    8    8    1   0.2000     0.000     0.000     0.000     2.000
    9    9    1   0.2000     0.000     0.000     0.000     2.000
   10   10    1   0.2000     0.000     0.000     0.000     2.000
   11   11    1   0.2000     0.000     0.000     0.000     2.000
   12   12    1   0.2000     0.000     0.000     0.000     2.000
   13   13    1   0.2000     0.000     0.000     0.000     2.000
   14   14    1   0.2000     0.000     0.000     0.000     2.000
   15   15    1   0.2000     0.000     0.000     0.000     2.000
   16   16    1   0.2000     0.000     0.000     0.000     2.000
   17   17    1   0.2000     0.000     0.000     0.000     2.000
   18   18    1   0.2000     0.000     0.000     0.000     2.000
   19   19    1   0.2000     0.000     0.000     0.000     2.000
   20   20    1   0.2000     0.000     0.000     0.000     2.000
   21   21    1   0.2000     0.000     0.000     0.000     2.000
   22   22    1   0.2000     0.000     0.000     0.000     2.000
   23   23    1   0.2000     0.000     0.000     0.000     2.000
   24   24    1   0.2000     0.000     0.000     0.000     2.000
   25   25    1   0.2000     0.000     0.000     0.000     2.000
   26   26    1   0.2000     0.000     0.000     0.000     2.000
   27   27    1   0.2000     0.000     0.000     0.000     2.000
   28   28    1   0.2000     0.000     0.000     0.000     2.000
   29   29    1   0.2000     0.000     0.000     0.000     2.000
   30   30    1   0.2000     0.000     0.000     0.000     2.000
   31   31    1   0.2000     0.000     0.000     0.000     2.000
   32   32    1   0.2000     0.000     0.000     0.000     2.000
   33   33    1   0.2000     0.000     0.000     0.000     2.000
   34   34    1   0.2000     0.000     0.000     0.000     2.000
   35   35    1   0.2000     0.000     0.000     0.000     2.000
   36   36    1   0.2000     0.000     0.000     0.000     2.000
   37   37    1   0.2000     0.000     0.000     0.000     2.000
   38   38    1   0.2000     0.000     0.000     0.000     2.000
   39   39    1   0.2000     0.000     0.000     0.000     2.000
   40   40    1   0.2000     0.000     0.000     0.000     2.000
   41   41    1   0.2000     0.000     0.000     0.000     2.000
```

42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.2000	0.000	0.000	0.000	2.000
47	47	1	0.2000	0.000	0.000	0.000	2.000
48	48	1	0.2000	0.000	0.000	0.000	2.000
49	49	1	0.2000	0.000	0.000	0.000	2.000
50	50	1	0.2000	0.000	0.000	0.000	2.000
51	51	1	0.2000	0.000	0.000	0.000	2.000
52	52	1	0.2000	0.000	0.000	0.000	2.000
53	53	1	0.2000	0.000	0.000	0.000	2.000
54	54	1	0.2000	0.000	0.000	0.000	2.000
55	55	1	0.2000	0.000	0.000	0.000	2.000
56	56	1	0.2000	0.000	0.000	0.000	2.000
57	57	1	0.2000	0.000	0.000	0.000	2.000
58	58	1	0.2000	0.000	0.000	0.000	2.000
59	59	1	0.2000	0.000	0.000	0.000	2.000
60	60	1	0.2000	0.000	0.000	0.000	2.000
61	61	1	0.1000	0.000	0.000	0.000	2.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
 ELEMENT GROUP NO.  3

WallElement_33                   :
   2  60   0   1   0   0   0   0   0   0   0   0   0   0   1   0   0   1   0
.....................................
.........2D WALL ELEMENT...........
.....................................

element group behaviour throughout stage analysis

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

 material set no.    1

 prop( 1) young modulus      0.210000E+09
 prop( 2) modification  time  0.00000
 prop( 3) new young modulus   0.00000
 prop( 4) poisson ratio       0.00000
 prop( 5) future ..... 0.00000

 no. of step variable items:     1
 step  inertia multipier
--------------------------
    1   1.000
    2   1.000
    3   1.000
    4   1.000
    5   1.000
    6   1.000
    7   1.000

 element data

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

    1    1    2    1    0.000     0.000    0.2500     0.000     0.000
    2    2    3    1    0.000     0.000    0.2500     0.000     0.000
    3    3    4    1    0.000     0.000    0.2500     0.000     0.000
    4    4    5    1    0.000     0.000    0.2500     0.000     0.000
    5    5    6    1    0.000     0.000    0.2500     0.000     0.000
    6    6    7    1    0.000     0.000    0.2500     0.000     0.000
    7    7    8    1    0.000     0.000    0.2500     0.000     0.000
    8    8    9    1    0.000     0.000    0.2500     0.000     0.000
    9    9   10    1    0.000     0.000    0.2500     0.000     0.000
   10   10   11    1    0.000     0.000    0.2500     0.000     0.000
   11   11   12    1    0.000     0.000    0.2500     0.000     0.000
   12   12   13    1    0.000     0.000    0.2500     0.000     0.000
   13   13   14    1    0.000     0.000    0.2500     0.000     0.000
   14   14   15    1    0.000     0.000    0.2500     0.000     0.000
   15   15   16    1    0.000     0.000    0.2500     0.000     0.000
   16   16   17    1    0.000     0.000    0.2500     0.000     0.000
   17   17   18    1    0.000     0.000    0.2500     0.000     0.000
   18   18   19    1    0.000     0.000    0.2500     0.000     0.000
   19   19   20    1    0.000     0.000    0.2500     0.000     0.000
   20   20   21    1    0.000     0.000    0.2500     0.000     0.000
   21   21   22    1    0.000     0.000    0.2500     0.000     0.000
   22   22   23    1    0.000     0.000    0.2500     0.000     0.000
   23   23   24    1    0.000     0.000    0.2500     0.000     0.000
   24   24   25    1    0.000     0.000    0.2500     0.000     0.000
   25   25   26    1    0.000     0.000    0.2500     0.000     0.000
   26   26   27    1    0.000     0.000    0.2500     0.000     0.000
   27   27   28    1    0.000     0.000    0.2500     0.000     0.000
   28   28   29    1    0.000     0.000    0.2500     0.000     0.000
```

29	29	30	1	0.000	0.000	0.2500	0.000	0.000
30	30	31	1	0.000	0.000	0.2500	0.000	0.000
31	31	32	1	0.000	0.000	0.2500	0.000	0.000
32	32	33	1	0.000	0.000	0.2500	0.000	0.000
33	33	34	1	0.000	0.000	0.2500	0.000	0.000
34	34	35	1	0.000	0.000	0.2500	0.000	0.000
35	35	36	1	0.000	0.000	0.2500	0.000	0.000
36	36	37	1	0.000	0.000	0.2500	0.000	0.000
37	37	38	1	0.000	0.000	0.2500	0.000	0.000
38	38	39	1	0.000	0.000	0.2500	0.000	0.000
39	39	40	1	0.000	0.000	0.2500	0.000	0.000
40	40	41	1	0.000	0.000	0.2500	0.000	0.000
41	41	42	1	0.000	0.000	0.2500	0.000	0.000
42	42	43	1	0.000	0.000	0.2500	0.000	0.000
43	43	44	1	0.000	0.000	0.2500	0.000	0.000
44	44	45	1	0.000	0.000	0.2500	0.000	0.000
45	45	46	1	0.000	0.000	0.2500	0.000	0.000
46	46	47	1	0.000	0.000	0.2500	0.000	0.000
47	47	48	1	0.000	0.000	0.2500	0.000	0.000
48	48	49	1	0.000	0.000	0.2500	0.000	0.000
49	49	50	1	0.000	0.000	0.2500	0.000	0.000
50	50	51	1	0.000	0.000	0.2500	0.000	0.000
51	51	52	1	0.000	0.000	0.2500	0.000	0.000
52	52	53	1	0.000	0.000	0.2500	0.000	0.000
53	53	54	1	0.000	0.000	0.2500	0.000	0.000
54	54	55	1	0.000	0.000	0.2500	0.000	0.000
55	55	56	1	0.000	0.000	0.2500	0.000	0.000
56	56	57	1	0.000	0.000	0.2500	0.000	0.000
57	57	58	1	0.000	0.000	0.2500	0.000	0.000
58	58	59	1	0.000	0.000	0.2500	0.000	0.000
59	59	60	1	0.000	0.000	0.2500	0.000	0.000
60	60	61	1	0.000	0.000	0.2500	0.000	0.000

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF NODAL LOADS  (NLOAD) ...................    8
NO. OF LOAD CURVES  (NLCUR) ...................   14
MAXIMUM POINTS/LCURVE (NPTM)...................    5
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:23:41                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     D A T A


    LOAD FUNCTION NUMBER   =    1
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       0.80000    0.0000E+00
       1.00000    0.1000E+01
       1.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    2
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       1.80000    0.0000E+00
       2.00000    0.1000E+01
       2.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    3
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       2.80000    0.0000E+00
       3.00000    0.1000E+01
       3.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    4
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       3.80000    0.0000E+00
       4.00000    0.1000E+01
       4.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    5
    NUMBER OF TIME POINTS  =    5

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       4.80000    0.0000E+00
       5.00000    0.1000E+01
       5.20000    0.0000E+00
       8.00000    0.0000E+00



    LOAD FUNCTION NUMBER   =    6
    NUMBER OF TIME POINTS  =    5
```

```
TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   5.80000    0.0000E+00
   6.00000    0.1000E+01
   6.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    7
NUMBER OF TIME POINTS  =    5

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   6.80000    0.0000E+00
   7.00000    0.1000E+01
   7.20000    0.0000E+00
   8.00000    0.0000E+00


LOAD FUNCTION NUMBER   =    8
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   0.80000    0.0000E+00
   1.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =    9
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   1.80000    0.0000E+00
   2.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   10
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   2.80000    0.0000E+00
   3.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   11
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   3.80000    0.0000E+00
   4.00000    0.1000E+01
   8.00000    0.1000E+01


LOAD FUNCTION NUMBER   =   12
NUMBER OF TIME POINTS  =    4

TIME VALUE      FUNCTION

   0.00000    0.0000E+00
   4.80000    0.0000E+00
   5.00000    0.1000E+01
   8.00000    0.1000E+01
```

```
    LOAD FUNCTION NUMBER   =   13
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       5.80000    0.0000E+00
       6.00000    0.1000E+01
       8.00000    0.1000E+01


    LOAD FUNCTION NUMBER   =   14
    NUMBER OF TIME POINTS  =    4

    TIME VALUE      FUNCTION

       0.00000    0.0000E+00
       6.80000    0.0000E+00
       7.00000    0.1000E+01
       8.00000    0.1000E+01



 CONCENTRATED LOADS

    NODE    DIRECTION    LOAD CURVE   LOAD CURVE MULTIPL
     14          1             4         -0.2000E+02
     16          1             4         -0.7200E+02
     21          1             5         -0.8050E+02
     17          1             5         -0.1050E+03
     26          1             6         -0.4520E+02
     21          1             6         -0.1810E+03
     31          1            14         -0.2410E+03
     25          1            14         -0.3220E+03


NO. OF DISTRIBUTED LOAD CARDS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                Exe Time :24 May 2018       18:23:41                                                     |
+-------------------------------------------------------------------------------------------------------------------------+
L O A D     B A L A N C E

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

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

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

STEP     4 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -92.000000
STEP     4 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     5 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -185.50000
STEP     5 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     6 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -226.20000
STEP     6 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000

STEP     7 TOTAL APPLIED LOAD IN DIR.  2  Y-DISPL.F      -563.00000
STEP     7 TOTAL APPLIED LOAD IN DIR.  4   X-ROT. F       0.0000000


                     LOAD INPUT SECTION COMPLETED
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+


NO. OF LAYERS ..............................    1
NO. OF DATA PER LAYER.......................  100
```

```
+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

LAYER DESCRIPTORS FOR STEP NO.    1


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    2


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    3


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
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ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    4


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    5


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
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ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    6


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

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO.    7


 NON ZERO LAYER DESCRIPTORS FOR LAYER NO.    1 FOR STEP NO.    7

ITEM NO.   1<NAME    >=  18.000     (BOTH WALLS)
ITEM NO.   2<NATURE  >=  1.0000     (BOTH WALLS)
ITEM NO.   3<LEVEL   >=  0.0000     (BOTH WALLS)
ITEM NO.   4<WALL    >=  1.0000     (BOTH WALLS)
ITEM NO.   5<GAMMAD  >=  19.000     (BOTH WALLS)
ITEM NO.   6<GAMMAB  >=  10.000     (BOTH WALLS)
ITEM NO.   7<GAMMAW  >=  10.000     (BOTH WALLS)
ITEM NO.   9<U-FRICT >=  31.080     WALL NO.        1
ITEM NO.   9<U-FRICT >=  37.000     WALL NO.        2
ITEM NO.  10<U-KA    >= 0.31900     WALL NO.        1
ITEM NO.  11<U-KP    >=  4.5780     WALL NO.        1
ITEM NO.  12<K0-NC   >= 0.50000     (BOTH WALLS)
ITEM NO.  13<NEXP    >= 0.50000     (BOTH WALLS)
ITEM NO.  14<OCR     >=  1.0000     (BOTH WALLS)
ITEM NO.  16<MODEL   >=  1.0000     (BOTH WALLS)
ITEM NO.  17<EVC     >=  55000.     (BOTH WALLS)
ITEM NO.  18<EUR     >= 0.16500E+06 (BOTH WALLS)
ITEM NO.  27<U-PERM  >= 0.10000E-03 (BOTH WALLS)
ITEM NO.  52<D-NATURE>=  1.0000     (BOTH WALLS)
ITEM NO.  53<D-LEVEL >=  0.0000     (BOTH WALLS)
ITEM NO.  59<D-FRICT >=  31.080     WALL NO.        1
ITEM NO.  59<D-FRICT >=  37.000     WALL NO.        2
ITEM NO.  60<D-KA    >= 0.31900     WALL NO.        1
ITEM NO.  61<D-KP    >=  4.5780     WALL NO.        1
ITEM NO.  77<D-PERM  >= 0.10000E-03 (BOTH WALLS)


DEFAULT WATER UNIT WEIGHT =  10.000
AVERAGED ON     7 VALUES
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+

PHASE DESCRIPTORS


STEP  NO.     1
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                           0.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 0.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
SEISMIC PRESSURE LOWER VALUE           0.000         0.000
SEISMIC PRESSURE UPPER VALUE           0.000         0.000
SEISMIC PRESSURE LOWER LEVEL           0.000         0.000
SEISMIC PRESSURE UPPER LEVEL           0.000         0.000

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


STEP  NO.     2
                                      LEFT WALL    RIGHT WALL
Y                                      0.000       -0.9990E+30
Z-PC                                   0.000         0.000
Z-EXCAVATION                          -1.000         0.000
Z-WATER_TABLE                          0.000       -0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL              0.000         0.000
ZQ                                     0.000         0.000
DZW_OF_THE_WATER_TABLE                 1.000         0.000
QS_ON_THE_EXCAVATION_SIDE              0.000         0.000
ZQS                                   -0.9990E+30   -0.9990E+30
ZCUT                                   0.000         0.000
BALANCE LEVEL FOR PORE PRESSURES      -12.00        -12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)      0.000         0.000
PORE_UPDATE_FLAG                       0.000         0.000
PORE_TAB. _FLAG (gt.0= use tabs)       0.000         0.000
lateral thrusts reduction elevatio     0.000         0.000
Downhill reduction factor for effe     0.000         0.000
Downhill reduction factor for pore     0.000         0.000
Uphill reduction factor for effect     0.000         0.000
Uphill reduction factor for pore p     0.000         0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]       0.000         0.000
UPHILL VERTICAL ACCEL.  Kv_uh [g]      0.000         0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]      0.000         0.000
UPHILL BETA ANGLE (SLOPE) [deg]        0.000         0.000
UPHILL DELTA/PHI RATIO                 0.000         0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]      0.000         0.000
DOWNHILL DELTA/PHI RATIO               0.000         0.000
DYN.WATER BEHAVIOUR                    0.000         0.000
Excess pore pressure RATIO Ru          0.000         0.000
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SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 3

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-2.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	2.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 4

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	3.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-0.9990E+30	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 5

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-4.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	4.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	-4.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 6

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-5.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	5.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

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

STEP NO. 7

	LEFT WALL	RIGHT WALL

Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-6.000	0.000
Z-WATER_TABLE	0.000	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	6.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-12.00	-12.00
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB. _FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

==========end of step   7

LEFT-HAND WALL

LOWER LEVEL   -12.00000
UPPER LEVEL   0.00000

RIGHT-HAND WALL

LOWER LEVEL   -12.00000
UPPER LEVEL   0.00000

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                 Exe Time :24 May 2018       18:23:41                                                    |
+-------------------------------------------------------------------------------------------------------------------------+
 I N I T I A L    S T R E S S    T A B L E S

            S E C T I O N

 NUMBER OF DEFINED TABLES             3


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

ACTIVATION TIME                               1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           5.00000000000000
 FOUNDATION WIDTH    (B)            13.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      62.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


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

ACTIVATION TIME                               1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)           18.0000000000000
 FOUNDATION WIDTH    (B)            17.0000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      45.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


INPUT DATA FOR INITIAL STRESS SET NO.    3
PERTAINING SOIL ELEMENTS AT Y-COORD    0.0000

ACTIVATION TIME                               1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED)   7.0000

TYPE BOUSSINESQ

 HORIZONTAL DISTANCE (DY)          0.500000000000000
 FOUNDATION WIDTH    (B)            4.50000000000000
 ZETA-F.....                   0.000000000000000E+000
 Q-F .....                      13.0000000000000
 BETA .....                     45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING)  0.000000000000000E+000


 ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
 POSITION        3123

 NO. OF D.P.W  FOR THIS AREA       7200
 MAX NO. OF D.P.W. AVAILABLE      81920
 ** MAX NO OF ITERATIONS SET TO          40

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6782E+05 RIMNOR= 0.000
           RENORM=0.1428E-27 REMNOR= 0.000     RATIO =0.4588E-16 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.55     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6782E+05 RDR   = 0.000
           RATIOT=0.4588E-16 RATIOR= 0.000
           MAX UN=0.3553E-14 IEQ=   121 NODE     61 DOF   1  Y-DISPL.F
           MIN UN=-.7105E-14 IEQ=   117 NODE     59 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

```
ITER     1 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6782E+05 RIMNOR= 0.000
           RENORM=0.8925E-30 REMNOR=0.1751E-54 RATIO =0.3628E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.55     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6782E+05 RDR   = 0.000
           RATIOT=0.3628E-17 RATIOR= 0.000
           MAX UN=0.1074E-15 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.3514E-15 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6782E+05 RIMNOR= 0.000
           RENORM=0.7687E-30 REMNOR=0.2508E-54 RATIO =0.3367E-17 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.55     RMMAX = 0.000
           RTSMAL=0.1000E-03 RMSMAL= 0.000
           RDT   =0.6782E+05 RDR   = 0.000
           RATIOT=0.3367E-17 RATIOR= 0.000
           MAX UN=0.7387E-16 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.3004E-15 IEQ=   119 NODE     60 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
```

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+-------------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     2 ITERATIONS ON   40

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

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

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


ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS
```

```
 +-------------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000      5.5016E-21   0.000       0.000       0.000       0.000            V-C  6.0857E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.393      4.4501E-21   2.148       4.964       2.148       4.964            V-C  6.0857E+04 -0.2000       2.000
1.000       1.000       6.964       0.000       0.000     Ug5_2_8_L_0
   3 D   2.546      3.3979E-21   4.779       8.728       4.779       8.728            V-C  6.0857E+04 -0.4000       4.000
1.000       1.000       12.73       0.000       0.000     Ug5_2_8_L_0
   4 D   3.503      2.3437E-21   7.608       11.52       7.608       11.52            V-C  6.0857E+04 -0.6000       6.000
1.000       1.000       17.52       0.000       0.000     Ug5_2_8_L_0
   5 D   4.364      1.2853E-21   10.83       13.82       10.83       13.82            V-C  6.0857E+04 -0.8000       8.000
1.000       1.000       21.82       0.000       0.000     Ug5_2_8_L_0
   6 D   5.179      2.2069E-22   14.05       15.90       14.05       15.90            V-C  6.0857E+04  -1.000       10.00
1.000       1.000       25.90       0.000       0.000     Ug5_2_8_L_0
   7 D   5.970     -8.5259E-22   16.71       17.85       16.71       17.85            V-C  6.0857E+04  -1.200       12.00
1.000       1.000       29.85       0.000       0.000     Ug5_2_8_L_0
   8 D   6.743     -1.9366E-21   19.25       19.72       19.25       19.72            V-C  6.0857E+04  -1.400       14.00
1.000       1.000       33.72       0.000       0.000     Ug5_2_8_L_0
   9 D   7.504     -3.0287E-21   21.91       21.52       21.91       21.52            V-C  6.0857E+04  -1.600       16.00
1.000       1.000       37.52       0.000       0.000     Ug5_2_8_L_0
  10 D   8.252     -4.1080E-21   24.32       23.26       24.32       23.26            V-C  6.0857E+04  -1.800       18.00
1.000       1.000       41.26       0.000       0.000     Ug5_2_8_L_0
  11 D   8.989     -5.1485E-21   26.86       24.95       26.86       24.95            V-C  6.0857E+04  -2.000       20.00
1.000       1.000       44.95       0.000       0.000     Ug5_2_8_L_0
  12 D   9.716     -6.1229E-21   29.23       26.58       29.23       26.58            V-C  6.0857E+04  -2.200       22.00
1.000       1.000       48.58       0.000       0.000     Ug5_2_8_L_0
  13 D   10.43     -7.0026E-21   31.73       28.16       31.73       28.16            V-C  6.0857E+04  -2.400       24.00
1.000       1.000       52.16       0.000       0.000     Ug5_2_8_L_0
  14 D   11.14     -7.7573E-21   34.09       29.68       34.09       29.68            V-C  6.0857E+04  -2.600       26.00
1.000       1.000       55.68       0.000       0.000     Ug5_2_8_L_0
  15 D   11.83     -8.3551E-21   36.57       31.16       36.57       31.16            V-C  6.0857E+04  -2.800       28.00
1.000       1.000       59.16       0.000       0.000     Ug5_2_8_L_0
  16 D   12.52     -8.7706E-21   38.95       32.58       38.95       32.58            V-C  6.0857E+04  -3.000       30.00
1.000       1.000       62.58       0.000       0.000     Ug5_2_8_L_0
  17 D   13.19     -9.0113E-21   41.43       33.96       41.43       33.96            V-C  6.0857E+04  -3.200       32.00
1.000       1.000       65.96       0.000       0.000     Ug5_2_8_L_0
  18 D   13.86     -9.0912E-21   43.82       35.30       43.82       35.30            V-C  6.0857E+04  -3.400       34.00
1.000       1.000       69.30       0.000       0.000     Ug5_2_8_L_0
  19 D   14.52     -9.0221E-21   46.22       36.59       46.22       36.59            V-C  6.0857E+04  -3.600       36.00
1.000       1.000       72.59       0.000       0.000     Ug5_2_8_L_0
  20 D   15.17     -8.8137E-21   48.70       37.84       48.70       37.84            V-C  6.0857E+04  -3.800       38.00
1.000       1.000       75.84       0.000       0.000     Ug5_2_8_L_0
  21 D   15.81     -8.4735E-21   51.11       39.05       51.11       39.05            V-C  6.0857E+04  -4.000       40.00
1.000       1.000       79.05       0.000       0.000     Ug5_2_8_L_0
  22 D   16.45     -8.0071E-21   53.58       40.23       53.58       40.23            V-C  6.0857E+04  -4.200       42.00
1.000       1.000       82.23       0.000       0.000     Ug5_2_8_L_0
  23 D   17.08     -7.4178E-21   55.99       41.38       55.99       41.38            V-C  6.0857E+04  -4.400       44.00
1.000       1.000       85.38       0.000       0.000     Ug5_2_8_L_0
  24 D   17.70     -6.7071E-21   58.47       42.49       58.47       42.49            V-C  6.0857E+04  -4.600       46.00
1.000       1.000       88.49       0.000       0.000     Ug5_2_8_L_0
  25 D   18.32     -5.8748E-21   60.88       43.58       60.88       43.58            V-C  6.0857E+04  -4.800       48.00
1.000       1.000       91.58       0.000       0.000     Ug5_2_8_L_0
  26 D   18.93     -4.9190E-21   63.28       44.65       63.28       44.65            V-C  6.0857E+04  -5.000       50.00
1.000       1.000       94.65       0.000       0.000     Ug5_2_8_L_0
  27 D   19.54     -3.8363E-21   65.46       45.69       65.46       45.69            V-C  6.0857E+04  -5.200       52.00
1.000       1.000       97.69       0.000       0.000     Ug5_2_8_L_0
  28 D   20.14     -2.6222E-21   67.65       46.71       67.65       46.71            V-C  6.0857E+04  -5.400       54.00
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1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0						
29 D	20.74	-1.2883E-21	69.84	47.70	69.84	47.70	V-C	6.0857E+04	-5.600	56.00	
1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0						
30 D	21.34	8.5041E-23	72.04	48.69	72.04	48.69	V-C	6.0857E+04	-5.800	58.00	
1.000	1.000	106.7	0.000	0.000	Ug5_2_8_L_0						
31 D	21.93	1.4009E-21	74.24	49.65	74.24	49.65	V-C	6.0857E+04	-6.000	60.00	
1.000	1.000	109.7	0.000	0.000	Ug5_2_8_L_0						
32 D	22.52	2.5800E-21	76.44	50.60	76.44	50.60	V-C	6.0857E+04	-6.200	62.00	
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0						
33 D	23.11	3.6124E-21	78.65	51.54	78.65	51.54	V-C	6.0857E+04	-6.400	64.00	
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0						
34 D	23.69	4.5052E-21	81.10	52.47	81.10	52.47	V-C	6.0857E+04	-6.600	66.00	
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0						
35 D	24.28	5.2653E-21	83.45	53.38	83.45	53.38	V-C	6.0857E+04	-6.800	68.00	
1.000	1.000	121.4	0.000	0.000	Ug5_2_8_L_0						
36 D	24.86	5.8988E-21	86.36	54.28	86.36	54.28	V-C	6.0857E+04	-7.000	70.00	
1.000	1.000	124.3	0.000	0.000	Ug5_2_8_L_0						
37 D	25.44	6.4111E-21	88.67	55.18	88.67	55.18	V-C	6.0857E+04	-7.200	72.00	
1.000	1.000	127.2	0.000	0.000	Ug5_2_8_L_0						
38 D	26.01	6.8066E-21	91.52	56.07	91.52	56.07	V-C	6.0857E+04	-7.400	74.00	
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0						
39 D	26.59	7.1055E-21	93.80	56.95	93.80	56.95	V-C	6.0857E+04	-7.600	76.00	
1.000	1.000	133.0	0.000	0.000	Ug5_2_8_L_0						
40 D	27.17	7.3787E-21	96.60	57.83	96.60	57.83	V-C	6.0857E+04	-7.800	78.00	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
41 D	27.74	7.6435E-21	99.36	58.70	99.36	58.70	V-C	6.0857E+04	-8.000	80.00	
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0						
42 D	28.31	7.8979E-21	101.6	59.56	101.6	59.56	V-C	6.0857E+04	-8.200	82.00	
1.000	1.000	141.6	0.000	0.000	Ug5_2_8_L_0						
43 D	28.88	8.1381E-21	104.3	60.42	104.3	60.42	V-C	6.0857E+04	-8.400	84.00	
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0						
44 D	29.46	8.3578E-21	106.5	61.28	106.5	61.28	V-C	6.0857E+04	-8.600	86.00	
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0						
45 D	30.03	8.5658E-21	109.2	62.13	109.2	62.13	V-C	6.0857E+04	-8.800	88.00	
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0						
46 D	30.60	8.8375E-21	111.4	62.98	111.4	62.98	V-C	6.0857E+04	-9.000	90.00	
1.000	1.000	153.0	0.000	0.000	Ug5_2_8_L_0						
47 D	31.17	9.2626E-21	114.0	63.83	114.0	63.83	V-C	6.0857E+04	-9.200	92.00	
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0						
48 D	31.73	9.9280E-21	116.2	64.67	116.2	64.67	V-C	6.0857E+04	-9.400	94.00	
1.000	1.000	158.7	0.000	0.000	Ug5_2_8_L_0						
49 D	32.30	1.0900E-20	118.8	65.51	118.8	65.51	V-C	6.0857E+04	-9.600	96.00	
1.000	1.000	161.5	0.000	0.000	Ug5_2_8_L_0						
50 D	32.87	1.2171E-20	121.0	66.36	121.0	66.36	V-C	6.0857E+04	-9.800	98.00	
1.000	1.000	164.4	0.000	0.000	Ug5_2_8_L_0						
51 D	33.44	1.3712E-20	123.6	67.20	123.6	67.20	V-C	6.0857E+04	-10.00	100.00	
1.000	1.000	167.2	0.000	0.000	Ug5_2_8_L_0						
52 D	34.01	1.5493E-20	125.8	68.03	125.8	68.03	V-C	6.0857E+04	-10.20	102.0	
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0						
53 D	34.57	1.7474E-20	128.3	68.87	128.3	68.87	V-C	6.0857E+04	-10.40	104.0	
1.000	1.000	172.9	0.000	0.000	Ug5_2_8_L_0						
54 D	35.14	1.9614E-20	130.8	69.71	130.8	69.71	V-C	6.0857E+04	-10.60	106.0	
1.000	1.000	175.7	0.000	0.000	Ug5_2_8_L_0						
55 D	35.71	2.1865E-20	133.0	70.55	133.0	70.55	V-C	6.0857E+04	-10.80	108.0	
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0						
56 D	36.28	2.4172E-20	135.5	71.39	135.5	71.39	V-C	6.0857E+04	-11.00	110.0	
1.000	1.000	181.4	0.000	0.000	Ug5_2_8_L_0						
57 D	36.84	2.6476E-20	137.6	72.22	137.6	72.22	V-C	6.0857E+04	-11.20	112.0	
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0						
58 D	37.41	2.8710E-20	140.1	73.06	140.1	73.06	V-C	6.0857E+04	-11.40	114.0	
1.000	1.000	187.1	0.000	0.000	Ug5_2_8_L_0						
59 D	37.98	3.0798E-20	142.2	73.90	142.2	73.90	V-C	6.0857E+04	-11.60	116.0	
1.000	1.000	189.9	0.000	0.000	Ug5_2_8_L_0						
60 D	38.55	3.2694E-20	144.7	74.74	144.7	74.74	V-C	6.0857E+04	-11.80	118.0	
1.000	1.000	192.7	0.000	0.000	Ug5_2_8_L_0						
61 D	19.56	3.4480E-20	146.8	75.57	146.8	75.57	V-C	6.0857E+04	-12.00	120.0	
1.000	1.000	195.6	0.000	0.000	Ug5_2_8_L_0						

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 +-----------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                       |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                        |
 |                                 Exe Time :24 May 2018       18:23:41                                                  |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      1.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------
   1 D   0.000     -5.5016E-21   0.000       0.000       0.000       0.000            V-C  3.8834E+04   0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.393     -4.4501E-21   2.000       4.964       2.000       4.964            V-C  3.8834E+04 -0.2000       2.000
1.000       1.000       6.964       0.000       0.000     Ug5_2_8_L_0
   3 D   2.546     -3.3979E-21   4.000       8.728       4.000       8.728            V-C  3.8834E+04 -0.4000       4.000
1.000       1.000       12.73       0.000       0.000     Ug5_2_8_L_0
   4 D   3.503     -2.3437E-21   6.000       11.52       6.000       11.52            V-C  3.8834E+04 -0.6000       6.000
1.000       1.000       17.52       0.000       0.000     Ug5_2_8_L_0
   5 D   4.364     -1.2853E-21   8.000       13.82       8.000       13.82            V-C  3.8834E+04 -0.8000       8.000
1.000       1.000       21.82       0.000       0.000     Ug5_2_8_L_0
   6 D   5.179     -2.2069E-22   10.00       15.90       10.00       15.90            V-C  3.8834E+04  -1.000       10.00
1.000       1.000       25.90       0.000       0.000     Ug5_2_8_L_0
   7 D   5.970      8.5259E-22   12.00       17.85       12.00       17.85            V-C  3.8834E+04  -1.200       12.00
1.000       1.000       29.85       0.000       0.000     Ug5_2_8_L_0
   8 D   6.743      1.9366E-21   14.00       19.72       14.00       19.72            V-C  3.8834E+04  -1.400       14.00
1.000       1.000       33.72       0.000       0.000     Ug5_2_8_L_0
   9 D   7.504      3.0287E-21   16.00       21.52       16.00       21.52            V-C  3.8834E+04  -1.600       16.00
1.000       1.000       37.52       0.000       0.000     Ug5_2_8_L_0
  10 D   8.252      4.1080E-21   18.00       23.26       18.00       23.26            V-C  3.8834E+04  -1.800       18.00
1.000       1.000       41.26       0.000       0.000     Ug5_2_8_L_0
  11 D   8.989      5.1485E-21   20.00       24.95       20.00       24.95            V-C  3.8834E+04  -2.000       20.00
1.000       1.000       44.95       0.000       0.000     Ug5_2_8_L_0
  12 D   9.716      6.1229E-21   22.00       26.58       22.00       26.58            V-C  3.8834E+04  -2.200       22.00
1.000       1.000       48.58       0.000       0.000     Ug5_2_8_L_0
  13 D   10.43      7.0026E-21   24.00       28.16       24.00       28.16            V-C  3.8834E+04  -2.400       24.00
1.000       1.000       52.16       0.000       0.000     Ug5_2_8_L_0
  14 D   11.14      7.7573E-21   26.00       29.68       26.00       29.68            V-C  3.8834E+04  -2.600       26.00
1.000       1.000       55.68       0.000       0.000     Ug5_2_8_L_0
  15 D   11.83      8.3551E-21   28.00       31.16       28.00       31.16            V-C  3.8834E+04  -2.800       28.00
1.000       1.000       59.16       0.000       0.000     Ug5_2_8_L_0
  16 D   12.52      8.7706E-21   30.00       32.58       30.00       32.58            V-C  3.8834E+04  -3.000       30.00
1.000       1.000       62.58       0.000       0.000     Ug5_2_8_L_0
  17 D   13.19      9.0113E-21   32.00       33.96       32.00       33.96            V-C  3.8834E+04  -3.200       32.00
1.000       1.000       65.96       0.000       0.000     Ug5_2_8_L_0
  18 D   13.86      9.0912E-21   34.00       35.30       34.00       35.30            V-C  3.8834E+04  -3.400       34.00
1.000       1.000       69.30       0.000       0.000     Ug5_2_8_L_0
  19 D   14.52      9.0221E-21   36.00       36.59       36.00       36.59            V-C  3.8834E+04  -3.600       36.00
1.000       1.000       72.59       0.000       0.000     Ug5_2_8_L_0
  20 D   15.17      8.8137E-21   38.00       37.84       38.00       37.84            V-C  3.8834E+04  -3.800       38.00
1.000       1.000       75.84       0.000       0.000     Ug5_2_8_L_0
  21 D   15.81      8.4735E-21   40.00       39.05       40.00       39.05            V-C  3.8834E+04  -4.000       40.00
1.000       1.000       79.05       0.000       0.000     Ug5_2_8_L_0
  22 D   16.45      8.0071E-21   42.00       40.23       42.00       40.23            V-C  3.8834E+04  -4.200       42.00
1.000       1.000       82.23       0.000       0.000     Ug5_2_8_L_0
  23 D   17.08      7.4178E-21   44.00       41.38       44.00       41.38            V-C  3.8834E+04  -4.400       44.00
1.000       1.000       85.38       0.000       0.000     Ug5_2_8_L_0
  24 D   17.70      6.7071E-21   46.00       42.49       46.00       42.49            V-C  3.8834E+04  -4.600       46.00
1.000       1.000       88.49       0.000       0.000     Ug5_2_8_L_0
  25 D   18.32      5.8748E-21   48.00       43.58       48.00       43.58            V-C  3.8834E+04  -4.800       48.00
1.000       1.000       91.58       0.000       0.000     Ug5_2_8_L_0
  26 D   18.93      4.9190E-21   50.00       44.65       50.00       44.65            V-C  3.8834E+04  -5.000       50.00
1.000       1.000       94.65       0.000       0.000     Ug5_2_8_L_0
  27 D   19.54      3.8363E-21   52.00       45.69       52.00       45.69            V-C  3.8834E+04  -5.200       52.00
1.000       1.000       97.69       0.000       0.000     Ug5_2_8_L_0
  28 D   20.14      2.6222E-21   54.00       46.71       54.00       46.71            V-C  3.8834E+04  -5.400       54.00
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1.000	1.000	100.7	0.000	0.000	Ug5_2_8_L_0							
29 D	20.74	1.2883E-21	56.00	47.70	56.00	47.70	V-C	3.8834E+04	-5.600	56.00		
1.000	1.000	103.7	0.000	0.000	Ug5_2_8_L_0							
30 D	21.34	-8.5041E-23	58.00	48.69	58.00	48.69	V-C	3.8834E+04	-5.800	58.00		
1.000	1.000	106.7	0.000	0.000	Ug5_2_8_L_0							
31 D	21.93	-1.4009E-21	60.00	49.65	60.00	49.65	V-C	3.8834E+04	-6.000	60.00		
1.000	1.000	109.7	0.000	0.000	Ug5_2_8_L_0							
32 D	22.52	-2.5800E-21	62.00	50.60	62.00	50.60	V-C	3.8834E+04	-6.200	62.00		
1.000	1.000	112.6	0.000	0.000	Ug5_2_8_L_0							
33 D	23.11	-3.6124E-21	64.00	51.54	64.00	51.54	V-C	3.8834E+04	-6.400	64.00		
1.000	1.000	115.5	0.000	0.000	Ug5_2_8_L_0							
34 D	23.69	-4.5052E-21	66.00	52.47	66.00	52.47	V-C	3.8834E+04	-6.600	66.00		
1.000	1.000	118.5	0.000	0.000	Ug5_2_8_L_0							
35 D	24.28	-5.2653E-21	68.00	53.38	68.00	53.38	V-C	3.8834E+04	-6.800	68.00		
1.000	1.000	121.4	0.000	0.000	Ug5_2_8_L_0							
36 D	24.86	-5.8988E-21	70.00	54.28	70.00	54.28	V-C	3.8834E+04	-7.000	70.00		
1.000	1.000	124.3	0.000	0.000	Ug5_2_8_L_0							
37 D	25.44	-6.4111E-21	72.00	55.18	72.00	55.18	V-C	3.8834E+04	-7.200	72.00		
1.000	1.000	127.2	0.000	0.000	Ug5_2_8_L_0							
38 D	26.01	-6.8066E-21	74.00	56.07	74.00	56.07	V-C	3.8834E+04	-7.400	74.00		
1.000	1.000	130.1	0.000	0.000	Ug5_2_8_L_0							
39 D	26.59	-7.1055E-21	76.00	56.95	76.00	56.95	V-C	3.8834E+04	-7.600	76.00		
1.000	1.000	133.0	0.000	0.000	Ug5_2_8_L_0							
40 D	27.17	-7.3787E-21	78.00	57.83	78.00	57.83	V-C	3.8834E+04	-7.800	78.00		
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0							
41 D	27.74	-7.6435E-21	80.00	58.70	80.00	58.70	V-C	3.8834E+04	-8.000	80.00		
1.000	1.000	138.7	0.000	0.000	Ug5_2_8_L_0							
42 D	28.31	-7.8979E-21	82.00	59.56	82.00	59.56	V-C	3.8834E+04	-8.200	82.00		
1.000	1.000	141.6	0.000	0.000	Ug5_2_8_L_0							
43 D	28.88	-8.1381E-21	84.00	60.42	84.00	60.42	V-C	3.8834E+04	-8.400	84.00		
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0							
44 D	29.46	-8.3578E-21	86.00	61.28	86.00	61.28	V-C	3.8834E+04	-8.600	86.00		
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0							
45 D	30.03	-8.5658E-21	88.00	62.13	88.00	62.13	V-C	3.8834E+04	-8.800	88.00		
1.000	1.000	150.1	0.000	0.000	Ug5_2_8_L_0							
46 D	30.60	-8.8375E-21	90.00	62.98	90.00	62.98	V-C	3.8834E+04	-9.000	90.00		
1.000	1.000	153.0	0.000	0.000	Ug5_2_8_L_0							
47 D	31.17	-9.2626E-21	92.00	63.83	92.00	63.83	V-C	3.8834E+04	-9.200	92.00		
1.000	1.000	155.8	0.000	0.000	Ug5_2_8_L_0							
48 D	31.73	-9.9280E-21	94.00	64.67	94.00	64.67	V-C	3.8834E+04	-9.400	94.00		
1.000	1.000	158.7	0.000	0.000	Ug5_2_8_L_0							
49 D	32.30	-1.0900E-20	96.00	65.51	96.00	65.51	V-C	3.8834E+04	-9.600	96.00		
1.000	1.000	161.5	0.000	0.000	Ug5_2_8_L_0							
50 D	32.87	-1.2171E-20	98.00	66.36	98.00	66.36	V-C	3.8834E+04	-9.800	98.00		
1.000	1.000	164.4	0.000	0.000	Ug5_2_8_L_0							
51 D	33.44	-1.3712E-20	100.00	67.20	100.00	67.20	V-C	3.8834E+04	-10.00	100.00		
1.000	1.000	167.2	0.000	0.000	Ug5_2_8_L_0							
52 D	34.01	-1.5493E-20	102.0	68.03	102.0	68.03	V-C	3.8834E+04	-10.20	102.0		
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0							
53 D	34.57	-1.7474E-20	104.0	68.87	104.0	68.87	V-C	3.8834E+04	-10.40	104.0		
1.000	1.000	172.9	0.000	0.000	Ug5_2_8_L_0							
54 D	35.14	-1.9614E-20	106.0	69.71	106.0	69.71	V-C	3.8834E+04	-10.60	106.0		
1.000	1.000	175.7	0.000	0.000	Ug5_2_8_L_0							
55 D	35.71	-2.1865E-20	108.0	70.55	108.0	70.55	V-C	3.8834E+04	-10.80	108.0		
1.000	1.000	178.5	0.000	0.000	Ug5_2_8_L_0							
56 D	36.28	-2.4172E-20	110.0	71.39	110.0	71.39	V-C	3.8834E+04	-11.00	110.0		
1.000	1.000	181.4	0.000	0.000	Ug5_2_8_L_0							
57 D	36.84	-2.6476E-20	112.0	72.22	112.0	72.22	V-C	3.8834E+04	-11.20	112.0		
1.000	1.000	184.2	0.000	0.000	Ug5_2_8_L_0							
58 D	37.41	-2.8710E-20	114.0	73.06	114.0	73.06	V-C	3.8834E+04	-11.40	114.0		
1.000	1.000	187.1	0.000	0.000	Ug5_2_8_L_0							
59 D	37.98	-3.0798E-20	116.0	73.90	116.0	73.90	V-C	3.8834E+04	-11.60	116.0		
1.000	1.000	189.9	0.000	0.000	Ug5_2_8_L_0							
60 D	38.55	-3.2694E-20	118.0	74.74	118.0	74.74	V-C	3.8834E+04	-11.80	118.0		
1.000	1.000	192.7	0.000	0.000	Ug5_2_8_L_0							
61 D	19.56	-3.4480E-20	120.0	75.57	120.0	75.57	V-C	3.8834E+04	-12.00	120.0		
1.000	1.000	195.6	0.000	0.000	Ug5_2_8_L_0							

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      1.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.93258E-17-1.93258E-17 1.57772E-29 3.86517E-18
    2 4.86341E-17-4.86341E-17-3.86517E-18 1.35920E-17
    3 6.86114E-17-6.86114E-17-1.35920E-17 2.73143E-17
    4 7.92968E-17-7.92968E-17-2.73143E-17 4.31736E-17
    5 8.07725E-17-8.07725E-17-4.31736E-17 5.93281E-17
    6 7.31784E-17-7.31784E-17-5.93281E-17 7.39638E-17
    7 5.67254E-17-5.67254E-17-7.39638E-17 8.53089E-17
    8-8.56472E-16 8.56472E-16-8.53089E-17-8.59855E-17
    9-8.89672E-16 8.89672E-16 8.59855E-17-2.63920E-16
   10-9.30570E-16 9.30570E-16 2.63920E-16-4.50034E-16
   11-9.78583E-16 9.78583E-16 4.50034E-16-6.45751E-16
   12-1.03302E-15 1.03302E-15 6.45751E-16-8.52355E-16
   13-1.09311E-15 1.09311E-15 8.52355E-16-1.07098E-15
   14-1.15797E-15 1.15797E-15 1.07098E-15-1.30257E-15
   15 5.49710E-16-5.49710E-16 1.30257E-15-1.19263E-15
   16 4.78227E-16-4.78227E-16 1.19263E-15-1.09698E-15
   17 4.05004E-16-4.05004E-16 1.09698E-15-1.01598E-15
   18 3.31131E-16-3.31131E-16 1.01598E-15-9.49756E-16
   19 2.57710E-16-2.57710E-16 9.49756E-16-8.98214E-16
   20 1.85834E-16-1.85834E-16 8.98214E-16-8.61048E-16
   21 1.16564E-16-1.16564E-16 8.61048E-16-8.37735E-16
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   24-6.58029E-17 6.58029E-17 8.29584E-16-8.42745E-16
   25-1.15235E-16 1.15235E-16 8.42745E-16-8.65792E-16
   26-1.57798E-16 1.57798E-16 8.65792E-16-8.97351E-16
   27-1.92952E-16 1.92952E-16 8.97351E-16-9.35942E-16
   28 3.33243E-15-3.33243E-15 9.35942E-16-2.69456E-16
   29 3.31320E-15-3.31320E-15 2.69456E-16 3.93184E-16
   30 3.30222E-15-3.30222E-15-3.93184E-16 1.05363E-15
   31-2.53188E-16 2.53188E-16-1.05363E-15 1.00299E-15
   32-2.47680E-16 2.47680E-16-1.00299E-15 9.53454E-16
   33-2.34138E-16 2.34138E-16-9.53454E-16 9.06627E-16
   34-2.12796E-16 2.12796E-16-9.06627E-16 8.64067E-16
   35-1.83930E-16 1.83930E-16-8.64067E-16 8.27281E-16
   36-1.47827E-16 1.47827E-16-8.27281E-16 7.97716E-16
   37-1.04759E-16 1.04759E-16-7.97716E-16 7.76764E-16
   38-3.60767E-15 3.60767E-15-7.76764E-16 5.52296E-17
   39 1.40435E-18-1.40435E-18-5.52296E-17 5.55105E-17
   40 6.42531E-17-6.42531E-17-5.55105E-17 6.83611E-17
   41 1.33608E-16-1.33608E-16-6.83611E-17 9.50827E-17
   42 2.09606E-16-2.09606E-16-9.50827E-17 1.37004E-16
   43 2.92509E-16-2.92509E-16-1.37004E-16 1.95506E-16
   44-3.17001E-15 3.17001E-15-1.95506E-16-4.38494E-16
   45-3.07202E-15 3.07202E-15 4.38494E-16-1.05290E-15
   46-2.96559E-15 2.96559E-15 1.05290E-15-1.64602E-15
   47-2.85001E-15 2.85001E-15 1.64602E-15-2.21602E-15
   48 8.28248E-16-8.28248E-16 2.21602E-15-2.05037E-15
   49 9.64623E-16-9.64623E-16 2.05037E-15-1.85744E-15
   50 1.11271E-15-1.11271E-15 1.85744E-15-1.63490E-15
   51 1.27339E-15-1.27339E-15 1.63490E-15-1.38022E-15
   52 1.44748E-15-1.44748E-15 1.38022E-15-1.09074E-15
   53 1.63577E-15-1.63577E-15 1.09074E-15-7.63583E-16
   54 1.83893E-15-1.83893E-15 7.63583E-16-3.95797E-16
   55 2.05752E-15-2.05752E-15 3.95797E-16 1.57072E-17
   56 2.29201E-15-2.29201E-15-1.57072E-17 4.74109E-16
   57 2.54273E-15-2.54273E-15-4.74109E-16 9.82656E-16
   58 2.80992E-15-2.80992E-15-9.82656E-16 1.54464E-15
   59-4.01173E-15 4.01173E-15-1.54464E-15 7.42293E-16
```

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   60-3.71128E-15 3.71128E-15-7.42293E-16 5.04871E-29

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM= 276.2     REMNOR=0.2508E-54 RATIO =0.6679E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.6679E-01 RATIOR= 0.000
           MAX UN= 5.136     IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           MIN UN=-.1933E-16 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM= 10.80     REMNOR=0.5480E-23 RATIO =0.1321E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.1321E-01 RATIOR= 0.000
           MAX UN= 2.156     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.7617E-11 IEQ=     1 NODE      1 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM= 6.649     REMNOR=0.3586E-23 RATIO =0.1036E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.1036E-01 RATIOR= 0.000
           MAX UN= 2.044     IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1113E-10 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM=0.4599     REMNOR=0.3502E-23 RATIO =0.2725E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.2725E-02 RATIOR= 0.000
           MAX UN=0.6780     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.1727E-10 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM=0.1467E-01 REMNOR=0.5758E-23 RATIO =0.4867E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.4867E-03 RATIOR= 0.000
           MAX UN=0.1211     IEQ=    23 NODE     12 DOF   1  Y-DISPL.F
           MIN UN=-.3126E-10 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.6192E+05 RIMNOR=0.9928E-28
           RENORM=0.7640E-21 REMNOR=0.3944E-23 RATIO =0.1111E-12 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 38.03     RMMAX =0.2216E-14
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
           RDT   =0.6192E+05 RDR   =0.1000E-19
           RATIOT=0.1111E-12 RATIOR= 0.000
           MAX UN=0.1300E-10 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           MIN UN=-.1192E-10 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   3.0424251E-04  -1.0107895E-04
    2   2.8402672E-04  -1.0107895E-04
    3   2.6381349E-04  -1.0104054E-04
    4   2.4362089E-04  -1.0084621E-04
    5   2.2349871E-04  -1.0029621E-04
    6   2.0354511E-04  -9.9105770E-05
    7   1.8392387E-04  -9.6903295E-05
    8   1.6487107E-04  -9.3391614E-05
    9   1.4665857E-04  -8.8509764E-05
   10   1.2954695E-04  -8.2431120E-05
   11   1.1374615E-04  -7.5452043E-05
   12   9.9405522E-05  -6.7882130E-05
   13   8.6611175E-05  -6.0044129E-05
   14   7.5385689E-05  -5.2238848E-05
   15   6.5697620E-05  -4.4703811E-05
   16   5.7474570E-05  -3.7612699E-05
   17   5.0614948E-05  -3.1084984E-05
   18   4.4998013E-05  -2.5195189E-05
   19   4.0491825E-05  -1.9981094E-05
   20   3.6959943E-05  -1.5451477E-05
   21   3.4266516E-05  -1.1592828E-05
   22   3.2280170E-05  -8.3740176E-06
   23   3.0877268E-05  -5.7498185E-06
   24   2.9944280E-05  -3.6650658E-06
   25   2.9379324E-05  -2.0590747E-06
   26   2.9092913E-05  -8.6914145E-07
   27   2.9008065E-05  -3.3250295E-08
   28   2.9059966E-05   5.0793127E-07
   29   2.9195271E-05   8.0960866E-07
   30   2.9371187E-05   9.2195291E-07
   31   2.9554404E-05   8.8957172E-07
   32   2.9719956E-05   7.5130463E-07
   33   2.9850073E-05   5.4025800E-07
   34   2.9933047E-05   2.8402644E-07
   35   2.9962166E-05   5.0313846E-09
   36   2.9934719E-05  -2.7905993E-07
   37   2.9851101E-05  -5.5477430E-07
   38   2.9714023E-05  -8.1228972E-07
   39   2.9527837E-05  -1.0450170E-06
   40   2.9297918E-05  -1.2492255E-06
   41   2.9030130E-05  -1.4236946E-06
   42   2.8730367E-05  -1.5692610E-06
   43   2.8404217E-05  -1.6879511E-06
   44   2.8056810E-05  -1.7822866E-06
   45   2.7692741E-05  -1.8550727E-06
   46   2.7316025E-05  -1.9092307E-06
   47   2.6930097E-05  -1.9476651E-06
   48   2.6537821E-05  -1.9731667E-06
   49   2.6141519E-05  -1.9883423E-06
   50   2.5743016E-05  -1.9955671E-06
   51   2.5343683E-05  -1.9969553E-06
   52   2.4944490E-05  -1.9943451E-06
   53   2.4546118E-05  -1.9892943E-06
   54   2.4148870E-05  -1.9830817E-06
   55   2.3752895E-05  -1.9767156E-06
   56   2.3358144E-05  -1.9709420E-06
   57   2.2964446E-05  -1.9662541E-06
   58   2.2571554E-05  -1.9629015E-06
   59   2.2179195E-05  -1.9608966E-06
   60   2.1787120E-05  -1.9600197E-06
   61   2.1395123E-05  -1.9598214E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      2.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -3.0424E-04   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5252     -2.8403E-04   2.235      0.7130       2.235       5.007          ACTIVE   0.000     -0.2000       1.913
1.000       1.000       2.626       0.000       0.000     Ug5_2_8_L_0
   3 D   1.081     -2.6381E-04   4.953       1.580       4.953       8.815          ACTIVE   0.000     -0.4000       3.826
1.000       1.000       5.406       0.000       0.000     Ug5_2_8_L_0
   4 D   1.650     -2.4362E-04   7.868       2.510       7.868       11.65          ACTIVE   0.000     -0.6000       5.739
1.000       1.000       8.249       0.000       0.000     Ug5_2_8_L_0
   5 D   2.244     -2.2350E-04   11.18       3.565       11.18       14.00          ACTIVE   0.000     -0.8000       7.652
1.000       1.000       11.22       0.000       0.000     Ug5_2_8_L_0
   6 D   2.837     -2.0355E-04   14.48       4.619       14.48       16.11          ACTIVE   0.000      -1.000       9.565
1.000       1.000       14.18       0.000       0.000     Ug5_2_8_L_0
   7 D   3.395     -1.8392E-04   17.23       5.496       17.23       18.11          ACTIVE   0.000      -1.200       11.48
1.000       1.000       16.97       0.000       0.000     Ug5_2_8_L_0
   8 D   3.945     -1.6487E-04   19.86       6.336       19.86       20.02          ACTIVE   0.000      -1.400       13.39
1.000       1.000       19.73       0.000       0.000     Ug5_2_8_L_0
   9 D   4.503     -1.4666E-04   22.60       7.211       22.60       21.87          ACTIVE   0.000      -1.600       15.30
1.000       1.000       22.52       0.000       0.000     Ug5_2_8_L_0
  10 D   5.045     -1.2955E-04   25.10       8.008       25.10       23.65          ACTIVE   0.000      -1.800       17.22
1.000       1.000       25.23       0.000       0.000     Ug5_2_8_L_0
  11 D   5.595     -1.1375E-04   27.73       8.846       27.73       25.38          ACTIVE   0.000      -2.000       19.13
1.000       1.000       27.98       0.000       0.000     Ug5_2_8_L_0
  12 D   6.135     -9.9406E-05   30.19       9.630       30.19       27.06          ACTIVE   0.000      -2.200       21.04
1.000       1.000       30.67       0.000       0.000     Ug5_2_8_L_0
  13 D   7.164     -8.6611E-05   32.77       12.87       32.77       28.68           UL-RL  1.8257E+05  -2.400       22.96
1.000       1.000       35.82       0.000       0.000     Ug5_2_8_L_0
  14 D   8.271     -7.5386E-05   35.23       16.48       35.23       30.25           UL-RL  1.8257E+05  -2.600       24.87
1.000       1.000       41.35       0.000       0.000     Ug5_2_8_L_0
  15 D   9.311     -6.5698E-05   37.79       19.77       37.79       31.77           UL-RL  1.8257E+05  -2.800       26.78
1.000       1.000       46.55       0.000       0.000     Ug5_2_8_L_0
  16 D   10.29     -5.7475E-05   40.26       22.74       40.26       33.24           UL-RL  1.8257E+05  -3.000       28.70
1.000       1.000       51.44       0.000       0.000     Ug5_2_8_L_0
  17 D   11.21     -5.0615E-05   42.82       25.42       42.82       34.66           UL-RL  1.8257E+05  -3.200       30.61
1.000       1.000       56.03       0.000       0.000     Ug5_2_8_L_0
  18 D   12.07     -4.4998E-05   45.30       27.82       45.30       36.03           UL-RL  1.8257E+05  -3.400       32.52
1.000       1.000       60.34       0.000       0.000     Ug5_2_8_L_0
  19 D   12.88     -4.0492E-05   47.78       29.98       47.78       37.37           UL-RL  1.8257E+05  -3.600       34.43
1.000       1.000       64.41       0.000       0.000     Ug5_2_8_L_0
  20 D   13.65     -3.6960E-05   50.35       31.92       50.35       38.66           UL-RL  1.8257E+05  -3.800       36.35
1.000       1.000       68.26       0.000       0.000     Ug5_2_8_L_0
  21 D   14.39     -3.4267E-05   52.84       33.67       52.84       39.92           UL-RL  1.8257E+05  -4.000       38.26
1.000       1.000       71.93       0.000       0.000     Ug5_2_8_L_0
  22 D   15.08     -3.2280E-05   55.41       35.25       55.41       41.14           UL-RL  1.8257E+05  -4.200       40.17
1.000       1.000       75.42       0.000       0.000     Ug5_2_8_L_0
  23 D   15.76     -3.0877E-05   57.91       36.70       57.91       42.33           UL-RL  1.8257E+05  -4.400       42.09
1.000       1.000       78.78       0.000       0.000     Ug5_2_8_L_0
  24 D   16.41     -2.9944E-05   60.47       38.03       60.47       43.49           UL-RL  1.8257E+05  -4.600       44.00
1.000       1.000       82.03       0.000       0.000     Ug5_2_8_L_0
  25 D   17.04     -2.9379E-05   62.96       39.26       62.96       44.63           UL-RL  1.8257E+05  -4.800       45.91
1.000       1.000       85.18       0.000       0.000     Ug5_2_8_L_0
  26 D   17.65     -2.9093E-05   65.46       40.42       65.46       45.73           UL-RL  1.8257E+05  -5.000       47.83
1.000       1.000       88.25       0.000       0.000     Ug5_2_8_L_0
  27 D   18.25     -2.9008E-05   67.72       41.52       67.72       46.82           UL-RL  1.8257E+05  -5.200       49.74
1.000       1.000       91.26       0.000       0.000     Ug5_2_8_L_0
  28 D   18.85     -2.9060E-05   69.99       42.57       69.99       47.88           UL-RL  1.8257E+05  -5.400       51.65
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1.000	1.000	94.23	0.000	0.000	Ug5_2_8_L_0						
29 D	19.43	-2.9195E-05	72.27	43.59	72.27	48.92	UL-RL	1.8257E+05	-5.600	53.57	
1.000	1.000	97.16	0.000	0.000	Ug5_2_8_L_0						
30 D	20.01	-2.9371E-05	74.56	44.58	74.56	49.95	UL-RL	1.8257E+05	-5.800	55.48	
1.000	1.000	100.1	0.000	0.000	Ug5_2_8_L_0						
31 D	20.59	-2.9554E-05	76.85	45.56	76.85	50.96	UL-RL	1.8257E+05	-6.000	57.39	
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0						
32 D	21.17	-2.9720E-05	79.14	46.52	79.14	51.95	UL-RL	1.8257E+05	-6.200	59.30	
1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0						
33 D	21.74	-2.9850E-05	81.43	47.48	81.43	52.93	UL-RL	1.8257E+05	-6.400	61.22	
1.000	1.000	108.7	0.000	0.000	Ug5_2_8_L_0						
34 D	22.31	-2.9933E-05	83.97	48.44	83.97	53.90	UL-RL	1.8257E+05	-6.600	63.13	
1.000	1.000	111.6	0.000	0.000	Ug5_2_8_L_0						
35 D	22.89	-2.9962E-05	86.40	49.39	86.40	54.86	UL-RL	1.8257E+05	-6.800	65.04	
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0						
36 D	23.46	-2.9935E-05	89.40	50.34	89.40	55.81	UL-RL	1.8257E+05	-7.000	66.96	
1.000	1.000	117.3	0.000	0.000	Ug5_2_8_L_0						
37 D	24.03	-2.9851E-05	91.80	51.30	91.80	56.75	UL-RL	1.8257E+05	-7.200	68.87	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
38 D	24.61	-2.9714E-05	94.74	52.25	94.74	57.68	UL-RL	1.8257E+05	-7.400	70.78	
1.000	1.000	123.0	0.000	0.000	Ug5_2_8_L_0						
39 D	25.18	-2.9528E-05	97.11	53.21	97.11	58.60	UL-RL	1.8257E+05	-7.600	72.70	
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0						
40 D	25.76	-2.9298E-05	99.99	54.17	99.99	59.52	UL-RL	1.8257E+05	-7.800	74.61	
1.000	1.000	128.8	0.000	0.000	Ug5_2_8_L_0						
41 D	26.33	-2.9030E-05	102.8	55.13	102.8	60.43	UL-RL	1.8257E+05	-8.000	76.52	
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0						
42 D	26.91	-2.8730E-05	105.2	56.10	105.2	61.34	UL-RL	1.8257E+05	-8.200	78.43	
1.000	1.000	134.5	0.000	0.000	Ug5_2_8_L_0						
43 D	27.48	-2.8404E-05	108.0	57.06	108.0	62.25	UL-RL	1.8257E+05	-8.400	80.35	
1.000	1.000	137.4	0.000	0.000	Ug5_2_8_L_0						
44 D	28.06	-2.8057E-05	110.3	58.02	110.3	63.15	UL-RL	1.8257E+05	-8.600	82.26	
1.000	1.000	140.3	0.000	0.000	Ug5_2_8_L_0						
45 D	28.63	-2.7693E-05	113.0	58.99	113.0	64.04	UL-RL	1.8257E+05	-8.800	84.17	
1.000	1.000	143.2	0.000	0.000	Ug5_2_8_L_0						
46 D	29.21	-2.7316E-05	115.3	59.95	115.3	64.93	UL-RL	1.8257E+05	-9.000	86.09	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
47 D	29.78	-2.6930E-05	118.0	60.91	118.0	65.83	UL-RL	1.8257E+05	-9.200	88.00	
1.000	1.000	148.9	0.000	0.000	Ug5_2_8_L_0						
48 D	30.36	-2.6538E-05	120.3	61.87	120.3	66.71	UL-RL	1.8257E+05	-9.400	89.91	
1.000	1.000	151.8	0.000	0.000	Ug5_2_8_L_0						
49 D	30.93	-2.6142E-05	123.0	62.83	123.0	67.60	UL-RL	1.8257E+05	-9.600	91.83	
1.000	1.000	154.7	0.000	0.000	Ug5_2_8_L_0						
50 D	31.50	-2.5743E-05	125.3	63.79	125.3	68.49	UL-RL	1.8257E+05	-9.800	93.74	
1.000	1.000	157.5	0.000	0.000	Ug5_2_8_L_0						
51 D	32.08	-2.5344E-05	127.9	64.74	127.9	69.37	UL-RL	1.8257E+05	-10.00	95.65	
1.000	1.000	160.4	0.000	0.000	Ug5_2_8_L_0						
52 D	32.65	-2.4944E-05	130.2	65.70	130.2	70.25	UL-RL	1.8257E+05	-10.20	97.57	
1.000	1.000	163.3	0.000	0.000	Ug5_2_8_L_0						
53 D	33.23	-2.4546E-05	132.8	66.65	132.8	71.13	UL-RL	1.8257E+05	-10.40	99.48	
1.000	1.000	166.1	0.000	0.000	Ug5_2_8_L_0						
54 D	33.80	-2.4149E-05	135.4	67.61	135.4	72.02	UL-RL	1.8257E+05	-10.60	101.4	
1.000	1.000	169.0	0.000	0.000	Ug5_2_8_L_0						
55 D	34.37	-2.3753E-05	137.7	68.56	137.7	72.90	UL-RL	1.8257E+05	-10.80	103.3	
1.000	1.000	171.9	0.000	0.000	Ug5_2_8_L_0						
56 D	34.95	-2.3358E-05	140.3	69.51	140.3	73.78	UL-RL	1.8257E+05	-11.00	105.2	
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0						
57 D	35.52	-2.2964E-05	142.5	70.47	142.5	74.66	UL-RL	1.8257E+05	-11.20	107.1	
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0						
58 D	36.09	-2.2572E-05	145.1	71.42	145.1	75.54	UL-RL	1.8257E+05	-11.40	109.0	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
59 D	36.67	-2.2179E-05	147.3	72.37	147.3	76.42	UL-RL	1.8257E+05	-11.60	111.0	
1.000	1.000	183.3	0.000	0.000	Ug5_2_8_L_0						
60 D	37.24	-2.1787E-05	149.8	73.32	149.8	77.30	UL-RL	1.8257E+05	-11.80	112.9	
1.000	1.000	186.2	0.000	0.000	Ug5_2_8_L_0						
61 D	18.91	-2.1395E-05	152.0	74.28	152.0	78.18	UL-RL	1.8257E+05	-12.00	114.8	
1.000	1.000	189.1	0.000	0.000	Ug5_2_8_L_0						

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+-----------------------------------------------------------------------------------------------------------------------+
|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                      NewProject.BaseDesignSection_28.A2M2R1_1787                                      |
|                                   Exe Time :24 May 2018       18:23:41                                                |
+-----------------------------------------------------------------------------------------------------------------------+
New Project


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

0_R                             :
ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
C U R R E N T    T I M E    I S      2.0000

 HARDENING 2D SOIL ELEMENT

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

 EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p      LAYER
 -------------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------------
   1   0.000         --          --          --          --          --         REMOVED     --        0.000       0.000
1.000       1.000      0.000       0.000       0.000     not available
   2   0.000         --          --          --          --          --         REMOVED     --      -0.2000       0.000
1.000       1.000      0.000       0.000       0.000     not available
   3   0.000         --          --          --          --          --         REMOVED     --      -0.4000       0.000
1.000       1.000      0.000       0.000       0.000     not available
   4   0.000         --          --          --          --          --         REMOVED     --      -0.6000       0.000
1.000       1.000      0.000       0.000       0.000     not available
   5   0.000         --          --          --          --          --         REMOVED     --      -0.8000       0.000
1.000       1.000      0.000       0.000       0.000     not available
   6 D   0.000     2.0355E-04   0.000       0.000       10.00       15.90       PASSIVE   0.000      -1.000       0.000
1.000       1.000      0.000       0.000       0.000     Ug5_2_8_L_0
   7 D   2.169     1.8392E-04   1.913       8.758       12.00       17.85       PASSIVE   0.000      -1.200       2.087
1.000       1.000      10.84       0.000       0.000     Ug5_2_8_L_0
   8 D   4.338     1.6487E-04   3.826       17.52       14.00       19.72       PASSIVE   0.000      -1.400       4.174
1.000       1.000      21.69       0.000       0.000     Ug5_2_8_L_0
   9 D   6.481     1.4666E-04   5.739       26.14       16.00       26.14           V-C  3.8834E+04  -1.600       6.261
1.000       1.000      32.40       0.000       0.000     Ug5_2_8_L_0
  10 D   7.119     1.2955E-04   7.652       27.25       18.00       27.25           V-C  3.8834E+04  -1.800       8.348
1.000       1.000      35.60       0.000       0.000     Ug5_2_8_L_0
  11 D   7.754     1.1375E-04   9.565       28.34       20.00       28.34           V-C  3.8834E+04  -2.000       10.43
1.000       1.000      38.77       0.000       0.000     Ug5_2_8_L_0
  12 D   8.388     9.9406E-05   11.48       29.42       22.00       29.42           V-C  3.8834E+04  -2.200       12.52
1.000       1.000      41.94       0.000       0.000     Ug5_2_8_L_0
  13 D   9.023     8.6611E-05   13.39       30.51       24.00       30.51           V-C  3.8834E+04  -2.400       14.61
1.000       1.000      45.12       0.000       0.000     Ug5_2_8_L_0
  14 D   9.659     7.5386E-05   15.30       31.60       26.00       31.60           V-C  3.8834E+04  -2.600       16.70
1.000       1.000      48.30       0.000       0.000     Ug5_2_8_L_0
  15 D   10.30     6.5698E-05   17.22       32.70       28.00       32.70           V-C  3.8834E+04  -2.800       18.78
1.000       1.000      51.48       0.000       0.000     Ug5_2_8_L_0
  16 D   10.94     5.7475E-05   19.13       33.81       30.00       33.81           V-C  3.8834E+04  -3.000       20.87
1.000       1.000      54.68       0.000       0.000     Ug5_2_8_L_0
  17 D   11.58     5.0615E-05   21.04       34.92       32.00       34.92           V-C  3.8834E+04  -3.200       22.96
1.000       1.000      57.88       0.000       0.000     Ug5_2_8_L_0
  18 D   12.22     4.4998E-05   22.96       36.03       34.00       36.03           V-C  3.8834E+04  -3.400       25.04
1.000       1.000      61.08       0.000       0.000     Ug5_2_8_L_0
  19 D   12.86     4.0492E-05   24.87       37.15       36.00       37.15           V-C  3.8834E+04  -3.600       27.13
1.000       1.000      64.28       0.000       0.000     Ug5_2_8_L_0
  20 D   13.49     3.6960E-05   26.78       38.26       38.00       38.26           V-C  3.8834E+04  -3.800       29.22
1.000       1.000      67.47       0.000       0.000     Ug5_2_8_L_0
  21 D   14.12     3.4267E-05   28.70       39.29       40.00       39.40         UL-RL  1.1650E+05  -4.000       31.30
1.000       1.000      70.59       0.000       0.000     Ug5_2_8_L_0
  22 D   14.73     3.2280E-05   30.61       40.28       42.00       40.55         UL-RL  1.1650E+05  -4.200       33.39
1.000       1.000      73.67       0.000       0.000     Ug5_2_8_L_0
  23 D   15.35     3.0877E-05   32.52       41.29       44.00       41.68         UL-RL  1.1650E+05  -4.400       35.48
1.000       1.000      76.77       0.000       0.000     Ug5_2_8_L_0
  24 D   15.98     2.9944E-05   34.43       42.33       46.00       42.77         UL-RL  1.1650E+05  -4.600       37.57
1.000       1.000      79.89       0.000       0.000     Ug5_2_8_L_0
  25 D   16.60     2.9379E-05   36.35       43.37       48.00       43.84         UL-RL  1.1650E+05  -4.800       39.65
1.000       1.000      83.02       0.000       0.000     Ug5_2_8_L_0
  26 D   17.23     2.9093E-05   38.26       44.42       50.00       44.89         UL-RL  1.1650E+05  -5.000       41.74
1.000       1.000      86.16       0.000       0.000     Ug5_2_8_L_0
  27 D   17.86     2.9008E-05   40.17       45.47       52.00       45.91         UL-RL  1.1650E+05  -5.200       43.83
1.000       1.000      89.29       0.000       0.000     Ug5_2_8_L_0
  28 D   18.48     2.9060E-05   42.09       46.51       54.00       46.92         UL-RL  1.1650E+05  -5.400       45.91
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1.000	1.000	92.42	0.000	0.000	Ug5_2_8_L_0						
29 D	19.11	2.9195E-05	44.00	47.53	56.00	47.90	UL-RL	1.1650E+05	-5.600	48.00	
1.000	1.000	95.53	0.000	0.000	Ug5_2_8_L_0						
30 D	19.73	2.9371E-05	45.91	48.55	58.00	48.87	UL-RL	1.1650E+05	-5.800	50.09	
1.000	1.000	98.64	0.000	0.000	Ug5_2_8_L_0						
31 D	20.34	2.9554E-05	47.83	49.55	60.00	49.82	UL-RL	1.1650E+05	-6.000	52.17	
1.000	1.000	101.7	0.000	0.000	Ug5_2_8_L_0						
32 D	20.96	2.9720E-05	49.74	50.53	62.00	50.75	UL-RL	1.1650E+05	-6.200	54.26	
1.000	1.000	104.8	0.000	0.000	Ug5_2_8_L_0						
33 D	21.57	2.9850E-05	51.65	51.50	64.00	51.67	UL-RL	1.1650E+05	-6.400	56.35	
1.000	1.000	107.8	0.000	0.000	Ug5_2_8_L_0						
34 D	22.18	2.9933E-05	53.57	52.45	66.00	52.58	UL-RL	1.1650E+05	-6.600	58.43	
1.000	1.000	110.9	0.000	0.000	Ug5_2_8_L_0						
35 D	22.78	2.9962E-05	55.48	53.38	68.00	53.48	UL-RL	1.1650E+05	-6.800	60.52	
1.000	1.000	113.9	0.000	0.000	Ug5_2_8_L_0						
36 D	23.38	2.9935E-05	57.39	54.29	70.00	54.37	UL-RL	1.1650E+05	-7.000	62.61	
1.000	1.000	116.9	0.000	0.000	Ug5_2_8_L_0						
37 D	23.98	2.9851E-05	59.30	55.19	72.00	55.25	UL-RL	1.1650E+05	-7.200	64.70	
1.000	1.000	119.9	0.000	0.000	Ug5_2_8_L_0						
38 D	24.57	2.9714E-05	61.22	56.08	74.00	56.12	UL-RL	1.1650E+05	-7.400	66.78	
1.000	1.000	122.9	0.000	0.000	Ug5_2_8_L_0						
39 D	25.17	2.9528E-05	63.13	56.96	76.00	56.98	UL-RL	1.1650E+05	-7.600	68.87	
1.000	1.000	125.8	0.000	0.000	Ug5_2_8_L_0						
40 D	25.76	2.9298E-05	65.04	57.82	78.00	57.84	UL-RL	1.1650E+05	-7.800	70.96	
1.000	1.000	128.8	0.000	0.000	Ug5_2_8_L_0						
41 D	26.34	2.9030E-05	66.96	58.67	80.00	58.70	UL-RL	1.1650E+05	-8.000	73.04	
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0						
42 D	26.92	2.8730E-05	68.87	59.48	82.00	59.56	UL-RL	1.1650E+05	-8.200	75.13	
1.000	1.000	134.6	0.000	0.000	Ug5_2_8_L_0						
43 D	27.50	2.8404E-05	70.78	60.28	84.00	60.42	UL-RL	1.1650E+05	-8.400	77.22	
1.000	1.000	137.5	0.000	0.000	Ug5_2_8_L_0						
44 D	28.08	2.8057E-05	72.70	61.08	86.00	61.28	UL-RL	1.1650E+05	-8.600	79.30	
1.000	1.000	140.4	0.000	0.000	Ug5_2_8_L_0						
45 D	28.65	2.7693E-05	74.61	61.87	88.00	62.13	UL-RL	1.1650E+05	-8.800	81.39	
1.000	1.000	143.3	0.000	0.000	Ug5_2_8_L_0						
46 D	29.23	2.7316E-05	76.52	62.65	90.00	62.98	UL-RL	1.1650E+05	-9.000	83.48	
1.000	1.000	146.1	0.000	0.000	Ug5_2_8_L_0						
47 D	29.80	2.6930E-05	78.43	63.44	92.00	63.83	UL-RL	1.1650E+05	-9.200	85.57	
1.000	1.000	149.0	0.000	0.000	Ug5_2_8_L_0						
48 D	30.37	2.6538E-05	80.35	64.22	94.00	64.67	UL-RL	1.1650E+05	-9.400	87.65	
1.000	1.000	151.9	0.000	0.000	Ug5_2_8_L_0						
49 D	30.95	2.6142E-05	82.26	64.99	96.00	65.51	UL-RL	1.1650E+05	-9.600	89.74	
1.000	1.000	154.7	0.000	0.000	Ug5_2_8_L_0						
50 D	31.52	2.5743E-05	84.17	65.77	98.00	66.36	UL-RL	1.1650E+05	-9.800	91.83	
1.000	1.000	157.6	0.000	0.000	Ug5_2_8_L_0						
51 D	32.09	2.5344E-05	86.09	66.54	100.00	67.20	UL-RL	1.1650E+05	-10.00	93.91	
1.000	1.000	160.5	0.000	0.000	Ug5_2_8_L_0						
52 D	32.66	2.4944E-05	88.00	67.31	102.0	68.03	UL-RL	1.1650E+05	-10.20	96.00	
1.000	1.000	163.3	0.000	0.000	Ug5_2_8_L_0						
53 D	33.23	2.4546E-05	89.91	68.08	104.0	68.87	UL-RL	1.1650E+05	-10.40	98.09	
1.000	1.000	166.2	0.000	0.000	Ug5_2_8_L_0						
54 D	33.81	2.4149E-05	91.83	68.85	106.0	69.71	UL-RL	1.1650E+05	-10.60	100.2	
1.000	1.000	169.0	0.000	0.000	Ug5_2_8_L_0						
55 D	34.38	2.3753E-05	93.74	69.62	108.0	70.55	UL-RL	1.1650E+05	-10.80	102.3	
1.000	1.000	171.9	0.000	0.000	Ug5_2_8_L_0						
56 D	34.95	2.3358E-05	95.65	70.40	110.0	71.39	UL-RL	1.1650E+05	-11.00	104.3	
1.000	1.000	174.7	0.000	0.000	Ug5_2_8_L_0						
57 D	35.52	2.2964E-05	97.57	71.17	112.0	72.22	UL-RL	1.1650E+05	-11.20	106.4	
1.000	1.000	177.6	0.000	0.000	Ug5_2_8_L_0						
58 D	36.09	2.2572E-05	99.48	71.94	114.0	73.06	UL-RL	1.1650E+05	-11.40	108.5	
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0						
59 D	36.66	2.2179E-05	101.4	72.71	116.0	73.90	UL-RL	1.1650E+05	-11.60	110.6	
1.000	1.000	183.3	0.000	0.000	Ug5_2_8_L_0						
60 D	37.23	2.1787E-05	103.3	73.48	118.0	74.74	UL-RL	1.1650E+05	-11.80	112.7	
1.000	1.000	186.2	0.000	0.000	Ug5_2_8_L_0						
61 D	18.90	2.1395E-05	105.2	74.25	120.0	75.57	UL-RL	1.1650E+05	-12.00	114.8	
1.000	1.000	189.0	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                      NewProject.BaseDesignSection_28.A2M2R1_1787                                        |
|                                   Exe Time :24 May 2018       18:23:41                                                  |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      2.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
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    1 2.19560E-12-2.19560E-12 2.13607E-13-7.94916E-13
    2 0.52522    -0.52522     1.76503E-12 0.10504
    3  1.6064     -1.6064    -0.10504     0.42633
    4  3.2562     -3.2562    -0.42633      1.0776
    5  5.4998     -5.4998     -1.0776      2.1775
    6  8.3367     -8.3367     -2.1775      3.8449
    7  9.5626     -9.5626     -3.8449      5.7574
    8  9.1701     -9.1701     -5.7574      7.5914
    9  7.1923     -7.1923     -7.5914      9.0299
   10  5.1184     -5.1184     -9.0299      10.054
   11  2.9595     -2.9595     -10.054      10.645
   12 0.70578    -0.70578     -10.645      10.787
   13 -1.1531      1.1531     -10.787      10.556
   14 -2.5417      2.5417     -10.556      10.048
   15 -3.5276      3.5276     -10.048      9.3421
   16 -4.1755      4.1755     -9.3421      8.5070
   17 -4.5456      4.5456     -8.5070      7.5979
   18 -4.6925      4.6925     -7.5979      6.6594
   19 -4.6656      4.6656     -6.6594      5.7263
   20 -4.5076      4.5076     -5.7263      4.8248
   21 -4.2405      4.2405     -4.8248      3.9767
   22 -3.8890      3.8890     -3.9767      3.1989
   23 -3.4863      3.4863     -3.1989      2.5016
   24 -3.0593      3.0593     -2.5016      1.8898
   25 -2.6290      2.6290     -1.8898      1.3640
   26 -2.2114      2.2114     -1.3640     0.92169
   27 -1.8179      1.8179    -0.92169     0.55810
   28 -1.4565      1.4565    -0.55810     0.26680
   29 -1.1320      1.1320    -0.26680     4.03957E-02
   30-0.84667     0.84667    -4.03957E-02-0.12894
   31-0.60100     0.60100     0.12894    -0.24914
   32-0.39402     0.39402     0.24914    -0.32794
   33-0.22374     0.22374     0.32794    -0.37269
   34-8.74806E-02 8.74806E-02 0.37269    -0.39019
   35 1.78052E-02-1.78052E-02 0.39019    -0.38663
   36 9.67049E-02-9.67049E-02 0.38663    -0.36728
   37 0.15213    -0.15213     0.36728    -0.33686
   38 0.18677    -0.18677     0.33686    -0.29950
   39 0.20313    -0.20313     0.29950    -0.25888
   40 0.20346    -0.20346     0.25888    -0.21819
   41 0.19170    -0.19170     0.21819    -0.17985
   42 0.17575    -0.17575     0.17985    -0.14470
   43 0.15722    -0.15722     0.14470    -0.11325
   44 0.13740    -0.13740     0.11325    -8.57733E-02
   45 0.11729    -0.11729     8.57733E-02-6.23151E-02
   46 9.76814E-02-9.76814E-02 6.23151E-02-4.27788E-02
   47 7.91334E-02-7.91334E-02 4.27788E-02-2.69521E-02
   48 6.20417E-02-6.20417E-02 2.69521E-02-1.45438E-02
   49 4.66611E-02-4.66611E-02 1.45438E-02-5.21160E-03
   50 3.31363E-02-3.31363E-02 5.21160E-03 1.41566E-03
   51 2.15291E-02-2.15291E-02-1.41566E-03 5.72159E-03
   52 1.18421E-02-1.18421E-02-5.72159E-03 8.08988E-03
   53 4.03850E-03-4.03850E-03-8.08988E-03 8.89758E-03
   54-1.93985E-03 1.93985E-03-8.89758E-03 8.50961E-03
   55-6.15956E-03 6.15956E-03-8.50961E-03 7.27770E-03
   56-8.68488E-03 8.68488E-03-7.27770E-03 5.54072E-03
   57-9.57028E-03 9.57028E-03-5.54072E-03 3.62667E-03
   58-8.85595E-03 8.85595E-03-3.62667E-03 1.85548E-03
   59-6.56628E-03 6.56628E-03-1.85548E-03 5.42221E-04
```

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   60-2.71097E-03 2.71097E-03-5.42221E-04-2.93316E-14

ITER     0 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM= 425.4     REMNOR=0.3944E-23 RATIO =0.8731E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.8731E-01 RATIOR= 0.000
           MAX UN= 7.659     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.4743E-01 IEQ=    11 NODE      6 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM= 81.39     REMNOR=0.5748E-22 RATIO =0.3819E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.3819E-01 RATIOR= 0.000
           MAX UN= 2.814     IEQ=    21 NODE     11 DOF   1  Y-DISPL.F
           MIN UN=-.3434E-02 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM= 264.3     REMNOR=0.2211E-20 RATIO =0.6882E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.6882E-01 RATIOR= 0.000
           MAX UN= 10.78     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-.2229E-09 IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM= 50.68     REMNOR=0.5021E-20 RATIO =0.3014E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.3014E-01 RATIOR= 0.000
           MAX UN= 5.160     IEQ=    47 NODE     24 DOF   1  Y-DISPL.F
           MIN UN=-.3592E-09 IEQ=    13 NODE      7 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM= 1.322     REMNOR=0.1593E-20 RATIO =0.4867E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.4867E-02 RATIOR= 0.000
           MAX UN= 1.090     IEQ=    55 NODE     28 DOF   1  Y-DISPL.F
           MIN UN=-.1477E-09 IEQ=    25 NODE     13 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM = 0.000     RMNORM= 0.000
           RINORM=0.5581E+05 RIMNOR= 2188.
           RENORM=0.6619E-18 REMNOR=0.1646E-20 RATIO =0.3444E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 36.68     RMMAX = 10.79
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.5581E+05 RDR   = 2188.
           RATIOT=0.3444E-11 RATIOR= 0.000
           MAX UN=0.3338E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.4346E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.9560193E-03  -1.0912245E-03
    2   4.7377744E-03  -1.0912245E-03
    3   4.5195320E-03  -1.0911870E-03
    4   4.3013097E-03  -1.0909974E-03
    5   4.0831562E-03  -1.0904606E-03
    6   3.8651672E-03  -1.0892985E-03
    7   3.6475027E-03  -1.0871480E-03
    8   3.4304036E-03  -1.0835637E-03
    9   3.2142077E-03  -1.0780209E-03
   10   2.9993660E-03  -1.0699160E-03
   11   2.7864577E-03  -1.0585664E-03
   12   2.5762064E-03  -1.0432121E-03
   13   2.3694855E-03  -1.0231684E-03
   14   2.1672820E-03  -9.9798084E-04
   15   1.9706510E-03  -9.6742436E-04
   16   1.7806698E-03  -9.3150395E-04
   17   1.5983905E-03  -8.9045415E-04
   18   1.4247982E-03  -8.4473992E-04
   19   1.2607592E-03  -7.9505537E-04
   20   1.1069812E-03  -7.4229299E-04
   21   9.6398567E-04  -6.8738676E-04
   22   8.3211332E-04  -6.3118966E-04
   23   7.1154384E-04  -5.7448201E-04
   24   6.0230699E-04  -5.1797722E-04
   25   5.0429585E-04  -4.6232908E-04
   26   4.1727817E-04  -4.0813875E-04
   27   3.4090646E-04  -3.5596224E-04
   28   2.7472490E-04  -3.0631718E-04
   29   2.1817827E-04  -2.5969189E-04
   30   1.7061619E-04  -2.1654588E-04
   31   1.3130423E-04  -1.7723520E-04
   32   9.9453532E-05  -1.4195544E-04
   33   7.4249163E-05  -1.1077155E-04
   34   5.4874843E-05  -8.3638689E-05
   35   4.0533208E-05  -6.0413012E-05
   36   3.0464043E-05  -4.0871255E-05
   37   2.3957705E-05  -2.4734971E-05
   38   2.0363964E-05  -1.1690582E-05
   39   1.9097439E-05  -1.4066819E-06
   40   1.9639662E-05   6.4527844E-06
   41   2.1538944E-05   1.2218123E-05
   42   2.4408426E-05   1.6206184E-05
   43   2.7922798E-05   1.8714949E-05
   44   3.1814148E-05   2.0019848E-05
   45   3.5867146E-05   2.0371173E-05
   46   3.9913947E-05   1.9992747E-05
   47   4.3828728E-05   1.9081572E-05
   48   4.7522433E-05   1.7808251E-05
   49   5.0937563E-05   1.6317947E-05
   50   5.4043202E-05   1.4731735E-05
   51   5.6830415E-05   1.3148131E-05
   52   5.9307865E-05   1.1644767E-05
   53   6.1497533E-05   1.0280228E-05
   54   6.3431808E-05   9.0951450E-06
   55   6.5149199E-05   8.1141875E-06
   56   6.6691733E-05   7.3469847E-06
   57   6.8101956E-05   6.7892280E-06
   58   6.9420225E-05   6.4234796E-06
   59   7.0682150E-05   6.2197631E-06
   60   7.1916124E-05   6.1359559E-06
   61   7.3140984E-05   6.1180136E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -4.9560E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.5123     -4.7378E-03   2.330      0.7433       2.330       5.007          ACTIVE   0.000     -0.2000       1.818
1.000       1.000       2.561       0.000       0.000     Ug5_2_8_L_0
   3 D   1.055     -4.5195E-03   5.142       1.640       5.142       8.815          ACTIVE   0.000     -0.4000       3.636
1.000       1.000       5.277       0.000       0.000     Ug5_2_8_L_0
   4 D   1.611     -4.3013E-03   8.153       2.601       8.153       11.65          ACTIVE   0.000     -0.6000       5.455
1.000       1.000       8.055       0.000       0.000     Ug5_2_8_L_0
   5 D   2.192     -4.0832E-03   11.56       3.686       11.56       14.00          ACTIVE   0.000     -0.8000       7.273
1.000       1.000       10.96       0.000       0.000     Ug5_2_8_L_0
   6 D   2.772     -3.8652E-03   14.95       4.771       14.95       16.11          ACTIVE   0.000      -1.000       9.091
1.000       1.000       13.86       0.000       0.000     Ug5_2_8_L_0
   7 D   3.317     -3.6475E-03   17.80       5.678       17.80       18.11          ACTIVE   0.000      -1.200       10.91
1.000       1.000       16.59       0.000       0.000     Ug5_2_8_L_0
   8 D   3.855     -3.4304E-03   20.53       6.548       20.53       20.02          ACTIVE   0.000      -1.400       12.73
1.000       1.000       19.28       0.000       0.000     Ug5_2_8_L_0
   9 D   4.400     -3.2142E-03   23.36       7.453       23.36       21.87          ACTIVE   0.000      -1.600       14.55
1.000       1.000       22.00       0.000       0.000     Ug5_2_8_L_0
  10 D   4.929     -2.9994E-03   25.96       8.281       25.96       23.65          ACTIVE   0.000      -1.800       16.36
1.000       1.000       24.64       0.000       0.000     Ug5_2_8_L_0
  11 D   5.466     -2.7865E-03   28.68       9.148       28.68       25.38          ACTIVE   0.000      -2.000       18.18
1.000       1.000       27.33       0.000       0.000     Ug5_2_8_L_0
  12 D   5.993     -2.5762E-03   31.23       9.963       31.23       27.06          ACTIVE   0.000      -2.200       20.00
1.000       1.000       29.96       0.000       0.000     Ug5_2_8_L_0
  13 D   6.527     -2.3695E-03   33.91       10.82       33.91       28.68          ACTIVE   0.000      -2.400       21.82
1.000       1.000       32.63       0.000       0.000     Ug5_2_8_L_0
  14 D   7.053     -2.1673E-03   36.46       11.63       36.46       30.25          ACTIVE   0.000      -2.600       23.64
1.000       1.000       35.27       0.000       0.000     Ug5_2_8_L_0
  15 D   7.587     -1.9707E-03   39.12       12.48       39.12       31.77          ACTIVE   0.000      -2.800       25.45
1.000       1.000       37.93       0.000       0.000     Ug5_2_8_L_0
  16 D   8.114     -1.7807E-03   41.68       13.30       41.68       33.24          ACTIVE   0.000      -3.000       27.27
1.000       1.000       40.57       0.000       0.000     Ug5_2_8_L_0
  17 D   8.647     -1.5984E-03   44.34       14.14       44.34       34.66          ACTIVE   0.000      -3.200       29.09
1.000       1.000       43.23       0.000       0.000     Ug5_2_8_L_0
  18 D   9.175     -1.4248E-03   46.91       14.96       46.91       36.03          ACTIVE   0.000      -3.400       30.91
1.000       1.000       45.87       0.000       0.000     Ug5_2_8_L_0
  19 D   9.703     -1.2608E-03   49.49       15.79       49.49       37.37          ACTIVE   0.000      -3.600       32.73
1.000       1.000       48.51       0.000       0.000     Ug5_2_8_L_0
  20 D   10.24     -1.1070E-03   52.15       16.64       52.15       38.66          ACTIVE   0.000      -3.800       34.55
1.000       1.000       51.18       0.000       0.000     Ug5_2_8_L_0
  21 D   10.77     -9.6399E-04   54.74       17.46       54.74       39.92          ACTIVE   0.000      -4.000       36.36
1.000       1.000       53.83       0.000       0.000     Ug5_2_8_L_0
  22 D   11.30     -8.3211E-04   57.40       18.31       57.40       41.14          ACTIVE   0.000      -4.200       38.18
1.000       1.000       56.49       0.000       0.000     Ug5_2_8_L_0
  23 D   11.83     -7.1154E-04   59.99       19.14       59.99       42.33          ACTIVE   0.000      -4.400       40.00
1.000       1.000       59.14       0.000       0.000     Ug5_2_8_L_0
  24 D   12.36     -6.0231E-04   62.65       19.99       62.65       43.49          ACTIVE   0.000      -4.600       41.82
1.000       1.000       61.80       0.000       0.000     Ug5_2_8_L_0
  25 D   12.89     -5.0430E-04   65.24       20.81       65.24       44.63          ACTIVE   0.000      -4.800       43.64
1.000       1.000       64.45       0.000       0.000     Ug5_2_8_L_0
  26 D   13.42     -4.1728E-04   67.83       21.64       67.83       45.73          ACTIVE   0.000      -5.000       45.45
1.000       1.000       67.09       0.000       0.000     Ug5_2_8_L_0
  27 D   13.93     -3.4091E-04   70.19       22.39       70.19       46.82          ACTIVE   0.000      -5.200       47.27
1.000       1.000       69.66       0.000       0.000     Ug5_2_8_L_0
  28 D   14.45     -2.7472E-04   72.56       23.15       72.56       47.88          ACTIVE   0.000      -5.400       49.09
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1.000	1.000	72.24	0.000	0.000	Ug5_2_8_L_0					
29 D	15.03	-2.1818E-04	74.93	24.22	74.93	48.92	UL-RL	1.0954E+05	-5.600	50.91
1.000	1.000	75.13	0.000	0.000	Ug5_2_8_L_0					
30 D	16.64	-1.7062E-04	77.31	30.49	77.31	49.95	UL-RL	1.0954E+05	-5.800	52.73
1.000	1.000	83.22	0.000	0.000	Ug5_2_8_L_0					
31 D	18.08	-1.3130E-04	79.69	35.84	79.69	50.96	UL-RL	1.0954E+05	-6.000	54.55
1.000	1.000	90.38	0.000	0.000	Ug5_2_8_L_0					
32 D	19.34	-9.9454E-05	82.08	40.36	82.08	51.95	UL-RL	1.0954E+05	-6.200	56.36
1.000	1.000	96.72	0.000	0.000	Ug5_2_8_L_0					
33 D	20.46	-7.4249E-05	84.47	44.14	84.47	52.93	UL-RL	1.0954E+05	-6.400	58.18
1.000	1.000	102.3	0.000	0.000	Ug5_2_8_L_0					
34 D	21.45	-5.4875E-05	87.10	47.27	87.10	53.90	UL-RL	1.0954E+05	-6.600	60.00
1.000	1.000	107.3	0.000	0.000	Ug5_2_8_L_0					
35 D	22.33	-4.0533E-05	89.63	49.84	89.63	54.86	UL-RL	1.0954E+05	-6.800	61.82
1.000	1.000	111.7	0.000	0.000	Ug5_2_8_L_0					
36 D	23.12	-3.0464E-05	92.72	51.94	92.72	55.81	UL-RL	1.0954E+05	-7.000	63.64
1.000	1.000	115.6	0.000	0.000	Ug5_2_8_L_0					
37 D	23.82	-2.3958E-05	95.22	53.65	95.22	56.75	UL-RL	1.0954E+05	-7.200	65.45
1.000	1.000	119.1	0.000	0.000	Ug5_2_8_L_0					
38 D	24.46	-2.0364E-05	98.25	55.03	98.25	57.68	UL-RL	1.0954E+05	-7.400	67.27
1.000	1.000	122.3	0.000	0.000	Ug5_2_8_L_0					
39 D	25.05	-1.9097E-05	100.7	56.16	100.7	58.60	UL-RL	1.0954E+05	-7.600	69.09
1.000	1.000	125.2	0.000	0.000	Ug5_2_8_L_0					
40 D	25.60	-1.9640E-05	103.7	57.08	103.7	59.52	UL-RL	1.0954E+05	-7.800	70.91
1.000	1.000	128.0	0.000	0.000	Ug5_2_8_L_0					
41 D	26.12	-2.1539E-05	106.6	57.85	106.6	60.43	UL-RL	1.0954E+05	-8.000	72.73
1.000	1.000	130.6	0.000	0.000	Ug5_2_8_L_0					
42 D	26.61	-2.4408E-05	109.1	58.51	109.1	61.34	UL-RL	1.0954E+05	-8.200	74.55
1.000	1.000	133.1	0.000	0.000	Ug5_2_8_L_0					
43 D	27.09	-2.7923E-05	111.9	59.10	111.9	62.25	UL-RL	1.0954E+05	-8.400	76.36
1.000	1.000	135.5	0.000	0.000	Ug5_2_8_L_0					
44 D	27.57	-3.1814E-05	114.4	59.65	114.4	63.15	UL-RL	1.0954E+05	-8.600	78.18
1.000	1.000	137.8	0.000	0.000	Ug5_2_8_L_0					
45 D	28.04	-3.5867E-05	117.2	60.18	117.2	64.04	UL-RL	1.0954E+05	-8.800	80.00
1.000	1.000	140.2	0.000	0.000	Ug5_2_8_L_0					
46 D	28.50	-3.9914E-05	119.6	60.70	119.6	64.93	UL-RL	1.0954E+05	-9.000	81.82
1.000	1.000	142.5	0.000	0.000	Ug5_2_8_L_0					
47 D	28.98	-4.3829E-05	122.4	61.24	122.4	65.83	UL-RL	1.0954E+05	-9.200	83.64
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0					
48 D	29.45	-4.7522E-05	124.8	61.80	124.8	66.71	UL-RL	1.0954E+05	-9.400	85.45
1.000	1.000	147.3	0.000	0.000	Ug5_2_8_L_0					
49 D	29.93	-5.0938E-05	127.6	62.39	127.6	67.60	UL-RL	1.0954E+05	-9.600	87.27
1.000	1.000	149.7	0.000	0.000	Ug5_2_8_L_0					
50 D	30.42	-5.4043E-05	129.9	63.01	129.9	68.49	UL-RL	1.0954E+05	-9.800	89.09
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0					
51 D	30.91	-5.6830E-05	132.7	63.66	132.7	69.37	UL-RL	1.0954E+05	-10.00	90.91
1.000	1.000	154.6	0.000	0.000	Ug5_2_8_L_0					
52 D	31.42	-5.9308E-05	135.0	64.35	135.0	70.25	UL-RL	1.0954E+05	-10.20	92.73
1.000	1.000	157.1	0.000	0.000	Ug5_2_8_L_0					
53 D	31.92	-6.1498E-05	137.8	65.07	137.8	71.13	UL-RL	1.0954E+05	-10.40	94.55
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0					
54 D	32.44	-6.3432E-05	140.5	65.82	140.5	72.02	UL-RL	1.0954E+05	-10.60	96.36
1.000	1.000	162.2	0.000	0.000	Ug5_2_8_L_0					
55 D	32.95	-6.5149E-05	142.8	66.59	142.8	72.90	UL-RL	1.0954E+05	-10.80	98.18
1.000	1.000	164.8	0.000	0.000	Ug5_2_8_L_0					
56 D	33.47	-6.6692E-05	145.5	67.37	145.5	73.78	UL-RL	1.0954E+05	-11.00	100.00
1.000	1.000	167.4	0.000	0.000	Ug5_2_8_L_0					
57 D	34.00	-6.8102E-05	147.8	68.18	147.8	74.66	UL-RL	1.0954E+05	-11.20	101.8
1.000	1.000	170.0	0.000	0.000	Ug5_2_8_L_0					
58 D	34.53	-6.9420E-05	150.5	68.99	150.5	75.54	UL-RL	1.0954E+05	-11.40	103.6
1.000	1.000	172.6	0.000	0.000	Ug5_2_8_L_0					
59 D	35.05	-7.0682E-05	152.8	69.81	152.8	76.42	UL-RL	1.0954E+05	-11.60	105.5
1.000	1.000	175.3	0.000	0.000	Ug5_2_8_L_0					
60 D	35.58	-7.1916E-05	155.4	70.63	155.4	77.30	UL-RL	1.0954E+05	-11.80	107.3
1.000	1.000	177.9	0.000	0.000	Ug5_2_8_L_0					
61 D	18.05	-7.3141E-05	157.7	71.45	157.7	78.18	UL-RL	1.0954E+05	-12.00	109.1
1.000	1.000	180.5	0.000	0.000	Ug5_2_8_L_0					

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 +-----------------------------------------------------------------------------------------------------------------------------+
 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                              |
 |                                 Exe Time :24 May 2018       18:23:41                                                        |
 +-----------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      3.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11 D   0.000      2.7865E-03   0.000       0.000       20.00       28.34       PASSIVE   0.000       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  12 D   2.101      2.5762E-03   1.818       8.324       22.00       29.42       PASSIVE   0.000       -2.200       2.182
1.000       1.000       10.51       0.000       0.000     Ug5_2_8_L_0
  13 D   4.202      2.3695E-03   3.636       16.65       24.00       30.51       PASSIVE   0.000       -2.400       4.364
1.000       1.000       21.01       0.000       0.000     Ug5_2_8_L_0
  14 D   6.303      2.1673E-03   5.455       24.97       26.00       31.60       PASSIVE   0.000       -2.600       6.545
1.000       1.000       31.52       0.000       0.000     Ug5_2_8_L_0
  15 D   8.404      1.9707E-03   7.273       33.29       28.00       33.29       PASSIVE   0.000       -2.800       8.727
1.000       1.000       42.02       0.000       0.000     Ug5_2_8_L_0
  16 D   10.51      1.7807E-03   9.091       41.62       30.00       41.62       PASSIVE   0.000       -3.000       10.91
1.000       1.000       52.53       0.000       0.000     Ug5_2_8_L_0
  17 D   12.61      1.5984E-03   10.91       49.94       32.00       49.94       PASSIVE   0.000       -3.200       13.09
1.000       1.000       63.03       0.000       0.000     Ug5_2_8_L_0
  18 D   14.71      1.4248E-03   12.73       58.27       34.00       58.27       PASSIVE   0.000       -3.400       15.27
1.000       1.000       73.54       0.000       0.000     Ug5_2_8_L_0
  19 D   16.37      1.2608E-03   14.55       64.41       36.00       64.41           V-C   2.3300E+04  -3.600       17.45
1.000       1.000       81.86       0.000       0.000     Ug5_2_8_L_0
  20 D   16.33      1.1070E-03   16.36       62.03       38.00       62.03           V-C   2.3300E+04  -3.800       19.64
1.000       1.000       81.66       0.000       0.000     Ug5_2_8_L_0
  21 D   16.34      9.6399E-04   18.18       59.87       40.00       59.87           V-C   2.3300E+04  -4.000       21.82
1.000       1.000       81.69       0.000       0.000     Ug5_2_8_L_0
  22 D   16.39      8.3211E-04   20.00       57.95       42.00       57.95           V-C   2.3300E+04  -4.200       24.00
1.000       1.000       81.95       0.000       0.000     Ug5_2_8_L_0
  23 D   16.49      7.1154E-04   21.82       56.27       44.00       56.27           V-C   2.3300E+04  -4.400       26.18
1.000       1.000       82.45       0.000       0.000     Ug5_2_8_L_0
  24 D   16.64      6.0231E-04   23.64       54.82       46.00       54.82           V-C   2.3300E+04  -4.600       28.36
1.000       1.000       83.19       0.000       0.000     Ug5_2_8_L_0
  25 D   16.83      5.0430E-04   25.45       53.62       48.00       53.62           V-C   2.3300E+04  -4.800       30.55
1.000       1.000       84.16       0.000       0.000     Ug5_2_8_L_0
  26 D   17.07      4.1728E-04   27.27       52.64       50.00       52.64           V-C   2.3300E+04  -5.000       32.73
1.000       1.000       85.37       0.000       0.000     Ug5_2_8_L_0
  27 D   17.36      3.4091E-04   29.09       51.90       52.00       51.90           V-C   2.3300E+04  -5.200       34.91
1.000       1.000       86.80       0.000       0.000     Ug5_2_8_L_0
  28 D   17.69      2.7472E-04   30.91       51.37       54.00       51.37           V-C   2.3300E+04  -5.400       37.09
```

1.000	1.000	88.46	0.000	0.000	Ug5_2_8_L_0						
29 D	18.06	2.1818E-04	32.73	51.04	56.00	51.04	V-C	2.3300E+04	-5.600	39.27	
1.000	1.000	90.32	0.000	0.000	Ug5_2_8_L_0						
30 D	18.47	1.7062E-04	34.55	50.91	58.00	50.91	V-C	2.3300E+04	-5.800	41.45	
1.000	1.000	92.37	0.000	0.000	Ug5_2_8_L_0						
31 D	18.92	1.3130E-04	36.36	50.95	60.00	50.95	V-C	2.3300E+04	-6.000	43.64	
1.000	1.000	94.59	0.000	0.000	Ug5_2_8_L_0						
32 D	19.40	9.9454E-05	38.18	51.16	62.00	51.16	V-C	2.3300E+04	-6.200	45.82	
1.000	1.000	96.98	0.000	0.000	Ug5_2_8_L_0						
33 D	19.80	7.4249E-05	40.00	50.98	64.00	51.76	UL-RL	6.9900E+04	-6.400	48.00	
1.000	1.000	98.98	0.000	0.000	Ug5_2_8_L_0						
34 D	20.15	5.4875E-05	41.82	50.59	66.00	52.65	UL-RL	6.9900E+04	-6.600	50.18	
1.000	1.000	100.8	0.000	0.000	Ug5_2_8_L_0						
35 D	20.58	4.0533E-05	43.64	50.53	68.00	53.54	UL-RL	6.9900E+04	-6.800	52.36	
1.000	1.000	102.9	0.000	0.000	Ug5_2_8_L_0						
36 D	21.06	3.0464E-05	45.45	50.76	70.00	54.41	UL-RL	6.9900E+04	-7.000	54.55	
1.000	1.000	105.3	0.000	0.000	Ug5_2_8_L_0						
37 D	21.59	2.3958E-05	47.27	51.23	72.00	55.28	UL-RL	6.9900E+04	-7.200	56.73	
1.000	1.000	108.0	0.000	0.000	Ug5_2_8_L_0						
38 D	22.16	2.0364E-05	49.09	51.89	74.00	56.13	UL-RL	6.9900E+04	-7.400	58.91	
1.000	1.000	110.8	0.000	0.000	Ug5_2_8_L_0						
39 D	22.76	1.9097E-05	50.91	52.69	76.00	56.98	UL-RL	6.9900E+04	-7.600	61.09	
1.000	1.000	113.8	0.000	0.000	Ug5_2_8_L_0						
40 D	23.37	1.9640E-05	52.73	53.60	78.00	57.84	UL-RL	6.9900E+04	-7.800	63.27	
1.000	1.000	116.9	0.000	0.000	Ug5_2_8_L_0						
41 D	24.01	2.1539E-05	54.55	54.58	80.00	58.70	UL-RL	6.9900E+04	-8.000	65.45	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
42 D	24.65	2.4408E-05	56.36	55.60	82.00	59.56	UL-RL	6.9900E+04	-8.200	67.64	
1.000	1.000	123.2	0.000	0.000	Ug5_2_8_L_0						
43 D	25.29	2.7923E-05	58.18	56.65	84.00	60.42	UL-RL	6.9900E+04	-8.400	69.82	
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0						
44 D	25.94	3.1814E-05	60.00	57.72	86.00	61.28	UL-RL	6.9900E+04	-8.600	72.00	
1.000	1.000	129.7	0.000	0.000	Ug5_2_8_L_0						
45 D	26.60	3.5867E-05	61.82	58.80	88.00	62.13	UL-RL	6.9900E+04	-8.800	74.18	
1.000	1.000	133.0	0.000	0.000	Ug5_2_8_L_0						
46 D	27.25	3.9914E-05	63.64	59.88	90.00	62.98	UL-RL	6.9900E+04	-9.000	76.36	
1.000	1.000	136.2	0.000	0.000	Ug5_2_8_L_0						
47 D	27.90	4.3829E-05	65.45	60.94	92.00	63.83	UL-RL	6.9900E+04	-9.200	78.55	
1.000	1.000	139.5	0.000	0.000	Ug5_2_8_L_0						
48 D	28.54	4.7522E-05	67.27	61.99	94.00	64.67	UL-RL	6.9900E+04	-9.400	80.73	
1.000	1.000	142.7	0.000	0.000	Ug5_2_8_L_0						
49 D	29.18	5.0938E-05	69.09	63.01	96.00	65.51	UL-RL	6.9900E+04	-9.600	82.91	
1.000	1.000	145.9	0.000	0.000	Ug5_2_8_L_0						
50 D	29.82	5.4043E-05	70.91	64.01	98.00	66.36	UL-RL	6.9900E+04	-9.800	85.09	
1.000	1.000	149.1	0.000	0.000	Ug5_2_8_L_0						
51 D	30.45	5.6830E-05	72.73	64.99	100.00	67.20	UL-RL	6.9900E+04	-10.00	87.27	
1.000	1.000	152.3	0.000	0.000	Ug5_2_8_L_0						
52 D	31.08	5.9308E-05	74.55	65.94	102.0	68.03	UL-RL	6.9900E+04	-10.20	89.45	
1.000	1.000	155.4	0.000	0.000	Ug5_2_8_L_0						
53 D	31.70	6.1498E-05	76.36	66.87	104.0	68.87	UL-RL	6.9900E+04	-10.40	91.64	
1.000	1.000	158.5	0.000	0.000	Ug5_2_8_L_0						
54 D	32.32	6.3432E-05	78.18	67.79	106.0	69.71	UL-RL	6.9900E+04	-10.60	93.82	
1.000	1.000	161.6	0.000	0.000	Ug5_2_8_L_0						
55 D	32.94	6.5149E-05	80.00	68.69	108.0	70.55	UL-RL	6.9900E+04	-10.80	96.00	
1.000	1.000	164.7	0.000	0.000	Ug5_2_8_L_0						
56 D	33.55	6.6692E-05	81.82	69.57	110.0	71.39	UL-RL	6.9900E+04	-11.00	98.18	
1.000	1.000	167.8	0.000	0.000	Ug5_2_8_L_0						
57 D	34.16	6.8102E-05	83.64	70.45	112.0	72.22	UL-RL	6.9900E+04	-11.20	100.4	
1.000	1.000	170.8	0.000	0.000	Ug5_2_8_L_0						
58 D	34.77	6.9420E-05	85.45	71.32	114.0	73.06	UL-RL	6.9900E+04	-11.40	102.5	
1.000	1.000	173.9	0.000	0.000	Ug5_2_8_L_0						
59 D	35.38	7.0682E-05	87.27	72.18	116.0	73.90	UL-RL	6.9900E+04	-11.60	104.7	
1.000	1.000	176.9	0.000	0.000	Ug5_2_8_L_0						
60 D	35.99	7.1916E-05	89.09	73.04	118.0	74.74	UL-RL	6.9900E+04	-11.80	106.9	
1.000	1.000	180.0	0.000	0.000	Ug5_2_8_L_0						
61 D	18.30	7.3141E-05	90.91	73.91	120.0	75.57	UL-RL	6.9900E+04	-12.00	109.1	
1.000	1.000	183.0	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      3.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1-2.58701E-10 2.58701E-10-2.57327E-11-8.49747E-11
    2 0.51230    -0.51230     7.65852E-11 0.10246
    3  1.5677     -1.5677    -0.10246     0.41599
    4  3.1787     -3.1787    -0.41599      1.0517
    5  5.3706     -5.3706     -1.0517      2.1258
    6  8.1429     -8.1429     -2.1258      3.7544
    7  11.460     -11.460     -3.7544      6.0465
    8  15.315     -15.315     -6.0465      9.1095
    9  19.715     -19.715     -9.1095      13.053
   10  24.644     -24.644     -13.053      17.981
   11  30.110     -30.110     -17.981      24.003
   12  34.001     -34.001     -24.003      30.804
   13  36.326     -36.326     -30.804      38.069
   14  37.076     -37.076     -38.069      45.484
   15  36.259     -36.259     -45.484      52.736
   16  33.867     -33.867     -52.736      59.509
   17  29.907     -29.907     -59.509      65.491
   18  24.374     -24.374     -65.491      70.366
   19  17.705     -17.705     -70.366      73.907
   20  11.609     -11.609     -73.907      76.228
   21  6.0359     -6.0359     -76.228      77.436
   22 0.94433    -0.94433     -77.436      77.624
   23 -3.7178      3.7178     -77.624      76.881
   24 -7.9942      7.9942     -76.881      75.282
   25 -11.937      11.937     -75.282      72.895
   26 -15.592      15.592     -72.895      69.776
   27 -19.021      19.021     -69.776      65.972
   28 -22.265      22.265     -65.972      61.519
   29 -25.303      25.303     -61.519      56.458
   30 -27.133      27.133     -56.458      51.032
   31 -27.975      27.975     -51.032      45.437
   32 -28.026      28.026     -45.437      39.832
   33 -27.359      27.359     -39.832      34.360
   34 -26.060      26.060     -34.360      29.148
   35 -24.307      24.307     -29.148      24.287
   36 -22.252      22.252     -24.287      19.836
   37 -20.022      20.022     -19.836      15.832
   38 -17.720      17.720     -15.832      12.288
   39 -15.427      15.427     -12.288      9.2027
   40 -13.204      13.204     -9.2027      6.5619
   41 -11.095      11.095     -6.5619      4.3429
   42 -9.1296      9.1296     -4.3429      2.5170
   43 -7.3295      7.3295     -2.5170      1.0511
   44 -5.7077      5.7077     -1.0511    -9.04345E-02
   45 -4.2694      4.2694     9.04345E-02-0.94432
   46 -3.0142      3.0142     0.94432     -1.5472
   47 -1.9370      1.9370      1.5472     -1.9346
   48 -1.0296      1.0296      1.9346     -2.1405
   49-0.28179     0.28179      2.1405     -2.1968
   50 0.31755    -0.31755      2.1968     -2.1333
   51 0.77997    -0.77997      2.1333     -1.9773
   52  1.1166     -1.1166      1.9773     -1.7540
   53  1.3379     -1.3379      1.7540     -1.4864
   54  1.4529     -1.4529      1.4864     -1.1959
   55  1.4695     -1.4695      1.1959    -0.90196
   56  1.3940     -1.3940     0.90196    -0.62316
   57  1.2311     -1.2311     0.62316    -0.37694
   58 0.98417    -0.98417     0.37694    -0.18010
   59 0.65522    -0.65522     0.18010    -4.90586E-02
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   60 0.24528    -0.24528     4.90586E-02-3.15325E-13

ITER     0 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.8547E+05 RIMNOR=0.1750E+06
           RENORM= 4674.     REMNOR=0.1646E-20 RATIO =0.2339     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 77.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8547E+05 RDR   =0.1750E+06
           RATIOT=0.2339     RATIOR= 0.000
           MAX UN= 10.48     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-61.65     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.8547E+05 RIMNOR=0.1750E+06
           RENORM= 9.771     REMNOR=0.2003E-20 RATIO =0.1069E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 77.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8547E+05 RDR   =0.1750E+06
           RATIOT=0.1069E-01 RATIOR= 0.000
           MAX UN= 1.353     IEQ=    57 NODE     29 DOF   1  Y-DISPL.F
           MIN UN=-.2672E-01 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.8547E+05 RIMNOR=0.1750E+06
           RENORM=0.5429     REMNOR=0.7094E-21 RATIO =0.2520E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 72.00     RMMAX = 77.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8547E+05 RDR   =0.1750E+06
           RATIOT=0.2520E-02 RATIOR= 0.000
           MAX UN=0.6248     IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           MIN UN=-.3619E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM = 5584.     RMNORM= 0.000
           RINORM=0.8547E+05 RIMNOR=0.1750E+06
           RENORM=0.5189E-18 REMNOR=0.1967E-20 RATIO =0.2464E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 72.00     RMMAX = 77.62
           RTSMAL=0.1000E-03 RMSMAL=0.1000E-03
           RDT   =0.8547E+05 RDR   =0.1750E+06
           RATIOT=0.2464E-11 RATIOR= 0.000
           MAX UN=0.2636E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           MIN UN=-.4336E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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+-----------------------------------------------------------------------------------------------------------------------+
|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                       |
|                                  Exe Time :24 May 2018       18:23:41                                                 |
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New Project
SOLUTION REACHED USING     4 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.8790345E-03  -1.0820415E-03
    2   4.6626262E-03  -1.0820415E-03
    3   4.4462249E-03  -1.0819369E-03
    4   4.2298757E-03  -1.0814693E-03
    5   4.0136845E-03  -1.0802927E-03
    6   3.7978341E-03  -1.0779838E-03
    7   3.5825999E-03  -1.0740402E-03
    8   3.3683655E-03  -1.0678836E-03
    9   3.1556374E-03  -1.0588636E-03
   10   2.9450591E-03  -1.0462590E-03
   11   2.7374254E-03  -1.0292798E-03
   12   2.5336959E-03  -1.0070698E-03
   13   2.3350076E-03  -9.7870891E-04
   14   2.1426877E-03  -9.4321677E-04
   15   1.9581679E-03  -9.0101878E-04
   16   1.7827024E-03  -8.5248789E-04
   17   1.6173189E-03  -8.0175263E-04
   18   1.4618662E-03  -7.5303226E-04
   19   1.3160267E-03  -7.0550186E-04
   20   1.1796264E-03  -6.5855810E-04
   21   1.0525904E-03  -6.1181878E-04
   22   9.3489667E-04  -5.6512184E-04
   23   8.2653492E-04  -5.1852680E-04
   24   7.2746048E-04  -4.7231378E-04
   25   6.3755768E-04  -4.2687658E-04
   26   5.5663298E-04  -3.8259238E-04
   27   4.8442150E-04  -3.3980198E-04
   28   4.2059228E-04  -2.9881579E-04
   29   3.6475571E-04  -2.5992165E-04
   30   3.1646616E-04  -2.2338930E-04
   31   2.7522542E-04  -1.8947552E-04
   32   2.4048543E-04  -1.5842214E-04
   33   2.1165457E-04  -1.3040142E-04
   34   1.8811828E-04  -1.0547950E-04
   35   1.6925740E-04  -8.3638150E-05
   36   1.5446361E-04  -6.4787839E-05
   37   1.4315305E-04  -4.8776466E-05
   38   1.3477712E-04  -3.5404551E-05
   39   1.2883058E-04  -2.4442373E-05
   40   1.2485596E-04  -1.5643335E-05
   41   1.2244588E-04  -8.7547767E-06
   42   1.2124338E-04  -3.5262938E-06
   43   1.2094083E-04   2.8410218E-07
   44   1.2127775E-04   2.9054692E-06
   45   1.2203792E-04   4.5504648E-06
   46   1.2304578E-04   5.4131484E-06
   47   1.2416264E-04   5.6677082E-06
   48   1.2528259E-04   5.4680652E-06
   49   1.2632850E-04   4.9480327E-06
   50   1.2724806E-04   4.2219268E-06
   51   1.2800991E-04   3.3854525E-06
   52   1.2860010E-04   2.5167790E-06
   53   1.2901860E-04   1.6778019E-06
   54   1.2927628E-04   9.1499354E-07
   55   1.2939184E-04   2.6081456E-07
   56   1.2938913E-04  -2.6552250E-07
   57   1.2929461E-04  -6.5719918E-07
   58   1.2913490E-04  -9.1914352E-07
   59   1.2893452E-04  -1.0675479E-06
   60   1.2871364E-04  -1.1295431E-06
   61   1.2848592E-04  -1.1430062E-06
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -4.8790E-03   0.000       0.000       0.000       0.000         PASSIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D   1.429     -4.6626E-03   2.434       5.433       2.434       5.433           V-C  2.4343E+04 -0.2000       1.714
1.000       1.000       7.147       0.000       0.000     Ug5_2_8_L_0
   3 D   2.105     -4.4462E-03   5.350       7.098       5.350       8.815          UL-RL  7.3028E+04 -0.4000       3.429
1.000       1.000       10.53       0.000       0.000     Ug5_2_8_L_0
   4 D   2.623     -4.2299E-03   8.465       7.973       8.465       11.65          UL-RL  7.3028E+04 -0.6000       5.143
1.000       1.000       13.12       0.000       0.000     Ug5_2_8_L_0
   5 D   3.165     -4.0137E-03   11.97       8.968       11.97       14.00          UL-RL  7.3028E+04 -0.8000       6.857
1.000       1.000       15.82       0.000       0.000     Ug5_2_8_L_0
   6 D   3.704     -3.7978E-03   15.47       9.948       15.47       16.11          UL-RL  7.3028E+04  -1.000       8.571
1.000       1.000       18.52       0.000       0.000     Ug5_2_8_L_0
   7 D   4.203     -3.5826E-03   18.42       10.73       18.42       18.11          UL-RL  7.3028E+04  -1.200       10.29
1.000       1.000       21.02       0.000       0.000     Ug5_2_8_L_0
   8 D   4.688     -3.3684E-03   21.25       11.44       21.25       20.02          UL-RL  7.3028E+04  -1.400       12.00
1.000       1.000       23.44       0.000       0.000     Ug5_2_8_L_0
   9 D   5.172     -3.1556E-03   24.19       12.15       24.19       21.87          UL-RL  7.3028E+04  -1.600       13.71
1.000       1.000       25.86       0.000       0.000     Ug5_2_8_L_0
  10 D   5.629     -2.9451E-03   26.89       12.71       26.89       23.65          UL-RL  7.3028E+04  -1.800       15.43
1.000       1.000       28.14       0.000       0.000     Ug5_2_8_L_0
  11 D   6.078     -2.7374E-03   29.72       13.25       29.72       25.38          UL-RL  7.3028E+04  -2.000       17.14
1.000       1.000       30.39       0.000       0.000     Ug5_2_8_L_0
  12 D   6.499     -2.5337E-03   32.38       13.64       32.38       27.06          UL-RL  7.3028E+04  -2.200       18.86
1.000       1.000       32.50       0.000       0.000     Ug5_2_8_L_0
  13 D   6.906     -2.3350E-03   35.16       13.96       35.16       28.68          UL-RL  7.3028E+04  -2.400       20.57
1.000       1.000       34.53       0.000       0.000     Ug5_2_8_L_0
  14 D   7.277     -2.1427E-03   37.81       14.10       37.81       30.25          UL-RL  7.3028E+04  -2.600       22.29
1.000       1.000       36.39       0.000       0.000     Ug5_2_8_L_0
  15 D   7.624     -1.9582E-03   40.57       14.12       40.57       31.77          UL-RL  7.3028E+04  -2.800       24.00
1.000       1.000       38.12       0.000       0.000     Ug5_2_8_L_0
  16 D   7.928     -1.7827E-03   43.24       13.93       43.24       33.24          UL-RL  7.3028E+04  -3.000       25.71
1.000       1.000       39.64       0.000       0.000     Ug5_2_8_L_0
  17 D   8.421     -1.6173E-03   46.00       14.67       46.00       34.66         ACTIVE   0.000      -3.200       27.43
1.000       1.000       42.10       0.000       0.000     Ug5_2_8_L_0
  18 D   8.934     -1.4619E-03   48.68       15.53       48.68       36.03         ACTIVE   0.000      -3.400       29.14
1.000       1.000       44.67       0.000       0.000     Ug5_2_8_L_0
  19 D   9.448     -1.3160E-03   51.36       16.38       51.36       37.37         ACTIVE   0.000      -3.600       30.86
1.000       1.000       47.24       0.000       0.000     Ug5_2_8_L_0
  20 D   9.968     -1.1796E-03   54.13       17.27       54.13       38.66         ACTIVE   0.000      -3.800       32.57
1.000       1.000       49.84       0.000       0.000     Ug5_2_8_L_0
  21 D   10.48     -1.0526E-03   56.82       18.13       56.82       39.92         ACTIVE   0.000      -4.000       34.29
1.000       1.000       52.41       0.000       0.000     Ug5_2_8_L_0
  22 D   11.00     -9.3490E-04   59.58       19.01       59.58       41.14         ACTIVE   0.000      -4.200       36.00
1.000       1.000       55.01       0.000       0.000     Ug5_2_8_L_0
  23 D   11.52     -8.2653E-04   62.28       19.87       62.28       42.33         ACTIVE   0.000      -4.400       37.71
1.000       1.000       57.58       0.000       0.000     Ug5_2_8_L_0
  24 D   12.04     -7.2746E-04   65.04       20.75       65.04       43.49         ACTIVE   0.000      -4.600       39.43
1.000       1.000       60.18       0.000       0.000     Ug5_2_8_L_0
  25 D   12.55     -6.3756E-04   67.73       21.61       67.73       44.63         ACTIVE   0.000      -4.800       41.14
1.000       1.000       62.75       0.000       0.000     Ug5_2_8_L_0
  26 D   13.06     -5.5663E-04   70.43       22.47       70.43       45.73         ACTIVE   0.000      -5.000       42.86
1.000       1.000       65.32       0.000       0.000     Ug5_2_8_L_0
  27 D   13.56     -4.8442E-04   72.89       23.25       72.89       46.82         ACTIVE   0.000      -5.200       44.57
1.000       1.000       67.82       0.000       0.000     Ug5_2_8_L_0
  28 D   14.07     -4.2059E-04   75.36       24.04       75.36       47.88         ACTIVE   0.000      -5.400       46.29
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1.000	1.000	70.33	0.000	0.000	Ug5_2_8_L_0						
29 D	14.57	-3.6476E-04	77.84	24.83	77.84	48.92	ACTIVE	0.000	-5.600	48.00	
1.000	1.000	72.83	0.000	0.000	Ug5_2_8_L_0						
30 D	15.07	-3.1647E-04	80.32	25.62	80.32	49.95	ACTIVE	0.000	-5.800	49.71	
1.000	1.000	75.34	0.000	0.000	Ug5_2_8_L_0						
31 D	15.66	-2.7523E-04	82.81	26.89	82.81	50.96	UL-RL	7.3028E+04	-6.000	51.43	
1.000	1.000	78.31	0.000	0.000	Ug5_2_8_L_0						
32 D	16.96	-2.4049E-04	85.30	31.67	85.30	51.95	UL-RL	7.3028E+04	-6.200	53.14	
1.000	1.000	84.81	0.000	0.000	Ug5_2_8_L_0						
33 D	18.12	-2.1165E-04	87.79	35.76	87.79	52.93	UL-RL	7.3028E+04	-6.400	54.86	
1.000	1.000	90.62	0.000	0.000	Ug5_2_8_L_0						
34 D	19.16	-1.8812E-04	90.53	39.25	90.53	53.90	UL-RL	7.3028E+04	-6.600	56.57	
1.000	1.000	95.82	0.000	0.000	Ug5_2_8_L_0						
35 D	20.10	-1.6926E-04	93.16	42.21	93.16	54.86	UL-RL	7.3028E+04	-6.800	58.29	
1.000	1.000	100.5	0.000	0.000	Ug5_2_8_L_0						
36 D	20.94	-1.5446E-04	96.36	44.71	96.36	55.81	UL-RL	7.3028E+04	-7.000	60.00	
1.000	1.000	104.7	0.000	0.000	Ug5_2_8_L_0						
37 D	21.71	-1.4315E-04	98.96	46.81	98.96	56.75	UL-RL	7.3028E+04	-7.200	61.71	
1.000	1.000	108.5	0.000	0.000	Ug5_2_8_L_0						
38 D	22.41	-1.3478E-04	102.1	48.60	102.1	57.68	UL-RL	7.3028E+04	-7.400	63.43	
1.000	1.000	112.0	0.000	0.000	Ug5_2_8_L_0						
39 D	23.05	-1.2883E-04	104.7	50.12	104.7	58.60	UL-RL	7.3028E+04	-7.600	65.14	
1.000	1.000	115.3	0.000	0.000	Ug5_2_8_L_0						
40 D	23.66	-1.2486E-04	107.7	51.42	107.7	59.52	UL-RL	7.3028E+04	-7.800	66.86	
1.000	1.000	118.3	0.000	0.000	Ug5_2_8_L_0						
41 D	24.23	-1.2245E-04	110.8	52.56	110.8	60.43	UL-RL	7.3028E+04	-8.000	68.57	
1.000	1.000	121.1	0.000	0.000	Ug5_2_8_L_0						
42 D	24.77	-1.2124E-04	113.3	53.57	113.3	61.34	UL-RL	7.3028E+04	-8.200	70.29	
1.000	1.000	123.9	0.000	0.000	Ug5_2_8_L_0						
43 D	25.30	-1.2094E-04	116.3	54.49	116.3	62.25	UL-RL	7.3028E+04	-8.400	72.00	
1.000	1.000	126.5	0.000	0.000	Ug5_2_8_L_0						
44 D	25.81	-1.2128E-04	118.8	55.35	118.8	63.15	UL-RL	7.3028E+04	-8.600	73.71	
1.000	1.000	129.1	0.000	0.000	Ug5_2_8_L_0						
45 D	26.32	-1.2204E-04	121.8	56.17	121.8	64.04	UL-RL	7.3028E+04	-8.800	75.43	
1.000	1.000	131.6	0.000	0.000	Ug5_2_8_L_0						
46 D	26.82	-1.2305E-04	124.3	56.97	124.3	64.93	UL-RL	7.3028E+04	-9.000	77.14	
1.000	1.000	134.1	0.000	0.000	Ug5_2_8_L_0						
47 D	27.32	-1.2416E-04	127.2	57.76	127.2	65.83	UL-RL	7.3028E+04	-9.200	78.86	
1.000	1.000	136.6	0.000	0.000	Ug5_2_8_L_0						
48 D	27.83	-1.2528E-04	129.7	58.56	129.7	66.71	UL-RL	7.3028E+04	-9.400	80.57	
1.000	1.000	139.1	0.000	0.000	Ug5_2_8_L_0						
49 D	28.33	-1.2633E-04	132.6	59.38	132.6	67.60	UL-RL	7.3028E+04	-9.600	82.29	
1.000	1.000	141.7	0.000	0.000	Ug5_2_8_L_0						
50 D	28.84	-1.2725E-04	135.0	60.21	135.0	68.49	UL-RL	7.3028E+04	-9.800	84.00	
1.000	1.000	144.2	0.000	0.000	Ug5_2_8_L_0						
51 D	29.36	-1.2801E-04	137.9	61.06	137.9	69.37	UL-RL	7.3028E+04	-10.00	85.71	
1.000	1.000	146.8	0.000	0.000	Ug5_2_8_L_0						
52 D	29.87	-1.2860E-04	140.3	61.94	140.3	70.25	UL-RL	7.3028E+04	-10.20	87.43	
1.000	1.000	149.4	0.000	0.000	Ug5_2_8_L_0						
53 D	30.40	-1.2902E-04	143.2	62.84	143.2	71.13	UL-RL	7.3028E+04	-10.40	89.14	
1.000	1.000	152.0	0.000	0.000	Ug5_2_8_L_0						
54 D	30.92	-1.2928E-04	146.0	63.76	146.0	72.02	UL-RL	7.3028E+04	-10.60	90.86	
1.000	1.000	154.6	0.000	0.000	Ug5_2_8_L_0						
55 D	31.45	-1.2939E-04	148.4	64.70	148.4	72.90	UL-RL	7.3028E+04	-10.80	92.57	
1.000	1.000	157.3	0.000	0.000	Ug5_2_8_L_0						
56 D	31.99	-1.2939E-04	151.2	65.65	151.2	73.78	UL-RL	7.3028E+04	-11.00	94.29	
1.000	1.000	159.9	0.000	0.000	Ug5_2_8_L_0						
57 D	32.52	-1.2929E-04	153.6	66.62	153.6	74.66	UL-RL	7.3028E+04	-11.20	96.00	
1.000	1.000	162.6	0.000	0.000	Ug5_2_8_L_0						
58 D	33.06	-1.2913E-04	156.4	67.59	156.4	75.54	UL-RL	7.3028E+04	-11.40	97.71	
1.000	1.000	165.3	0.000	0.000	Ug5_2_8_L_0						
59 D	33.60	-1.2893E-04	158.8	68.57	158.8	76.42	UL-RL	7.3028E+04	-11.60	99.43	
1.000	1.000	168.0	0.000	0.000	Ug5_2_8_L_0						
60 D	34.14	-1.2871E-04	161.6	69.55	161.6	77.30	UL-RL	7.3028E+04	-11.80	101.1	
1.000	1.000	170.7	0.000	0.000	Ug5_2_8_L_0						
61 D	17.34	-1.2849E-04	164.0	70.53	164.0	78.18	UL-RL	7.3028E+04	-12.00	102.9	
1.000	1.000	173.4	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                              |
 |                                 Exe Time :24 May 2018       18:23:41                                                        |
 +-----------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      4.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16 D   0.000      1.7827E-03   0.000       0.000       30.00       41.62       PASSIVE   0.000       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  17 D   2.027      1.6173E-03   1.714       7.848       32.00       49.94       PASSIVE   0.000       -3.200       2.286
1.000       1.000       10.13       0.000       0.000     Ug5_2_8_L_0
  18 D   4.053      1.4619E-03   3.429       15.70       34.00       58.27       PASSIVE   0.000       -3.400       4.571
1.000       1.000       20.27       0.000       0.000     Ug5_2_8_L_0
  19 D   6.080      1.3160E-03   5.143       23.54       36.00       64.41       PASSIVE   0.000       -3.600       6.857
1.000       1.000       30.40       0.000       0.000     Ug5_2_8_L_0
  20 D   8.107      1.1796E-03   6.857       31.39       38.00       62.03       PASSIVE   0.000       -3.800       9.143
1.000       1.000       40.53       0.000       0.000     Ug5_2_8_L_0
  21 D   10.13      1.0526E-03   8.571       39.24       40.00       59.87       PASSIVE   0.000       -4.000       11.43
1.000       1.000       50.67       0.000       0.000     Ug5_2_8_L_0
  22 D   12.16      9.3490E-04   10.29       47.09       42.00       57.95       PASSIVE   0.000       -4.200       13.71
1.000       1.000       60.80       0.000       0.000     Ug5_2_8_L_0
  23 D   14.19      8.2653E-04   12.00       54.94       44.00       56.27       PASSIVE   0.000       -4.400       16.00
1.000       1.000       70.94       0.000       0.000     Ug5_2_8_L_0
  24 D   14.75      7.2746E-04   13.71       55.46       46.00       55.46           V-C   1.5533E+04  -4.600       18.29
1.000       1.000       73.74       0.000       0.000     Ug5_2_8_L_0
  25 D   14.99      6.3756E-04   15.43       54.40       48.00       54.40           V-C   1.5533E+04  -4.800       20.57
1.000       1.000       74.97       0.000       0.000     Ug5_2_8_L_0
  26 D   15.28      5.5663E-04   17.14       53.53       50.00       53.53           V-C   1.5533E+04  -5.000       22.86
1.000       1.000       76.39       0.000       0.000     Ug5_2_8_L_0
  27 D   15.60      4.8442E-04   18.86       52.86       52.00       52.86           V-C   1.5533E+04  -5.200       25.14
1.000       1.000       78.00       0.000       0.000     Ug5_2_8_L_0
  28 D   15.96      4.2059E-04   20.57       52.38       54.00       52.38           V-C   1.5533E+04  -5.400       27.43
```

1.000	1.000	79.81	0.000	0.000	Ug5_2_8_L_0						
29 D	16.36	3.6476E-04	22.29	52.07	56.00	52.07	V-C	1.5533E+04	-5.600	29.71	
1.000	1.000	81.79	0.000	0.000	Ug5_2_8_L_0						
30 D	16.79	3.1647E-04	24.00	51.93	58.00	51.93	V-C	1.5533E+04	-5.800	32.00	
1.000	1.000	83.93	0.000	0.000	Ug5_2_8_L_0						
31 D	17.25	2.7523E-04	25.71	51.95	60.00	51.95	V-C	1.5533E+04	-6.000	34.29	
1.000	1.000	86.24	0.000	0.000	Ug5_2_8_L_0						
32 D	17.74	2.4049E-04	27.43	52.11	62.00	52.11	V-C	1.5533E+04	-6.200	36.57	
1.000	1.000	88.68	0.000	0.000	Ug5_2_8_L_0						
33 D	18.25	2.1165E-04	29.14	52.40	64.00	52.40	V-C	1.5533E+04	-6.400	38.86	
1.000	1.000	91.26	0.000	0.000	Ug5_2_8_L_0						
34 D	18.79	1.8812E-04	30.86	52.80	66.00	52.80	V-C	1.5533E+04	-6.600	41.14	
1.000	1.000	93.94	0.000	0.000	Ug5_2_8_L_0						
35 D	19.25	1.6926E-04	32.57	52.83	68.00	53.54	UL-RL	4.6600E+04	-6.800	43.43	
1.000	1.000	96.25	0.000	0.000	Ug5_2_8_L_0						
36 D	19.71	1.5446E-04	34.29	52.83	70.00	54.41	UL-RL	4.6600E+04	-7.000	45.71	
1.000	1.000	98.54	0.000	0.000	Ug5_2_8_L_0						
37 D	20.21	1.4315E-04	36.00	53.07	72.00	55.28	UL-RL	4.6600E+04	-7.200	48.00	
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0						
38 D	20.76	1.3478E-04	37.71	53.50	74.00	56.13	UL-RL	4.6600E+04	-7.400	50.29	
1.000	1.000	103.8	0.000	0.000	Ug5_2_8_L_0						
39 D	21.33	1.2883E-04	39.43	54.08	76.00	56.98	UL-RL	4.6600E+04	-7.600	52.57	
1.000	1.000	106.6	0.000	0.000	Ug5_2_8_L_0						
40 D	21.92	1.2486E-04	41.14	54.76	78.00	57.84	UL-RL	4.6600E+04	-7.800	54.86	
1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0						
41 D	22.54	1.2245E-04	42.86	55.53	80.00	58.70	UL-RL	4.6600E+04	-8.000	57.14	
1.000	1.000	112.7	0.000	0.000	Ug5_2_8_L_0						
42 D	23.15	1.2124E-04	44.57	56.34	82.00	59.56	UL-RL	4.6600E+04	-8.200	59.43	
1.000	1.000	115.8	0.000	0.000	Ug5_2_8_L_0						
43 D	23.78	1.2094E-04	46.29	57.21	84.00	60.42	UL-RL	4.6600E+04	-8.400	61.71	
1.000	1.000	118.9	0.000	0.000	Ug5_2_8_L_0						
44 D	24.42	1.2128E-04	48.00	58.10	86.00	61.28	UL-RL	4.6600E+04	-8.600	64.00	
1.000	1.000	122.1	0.000	0.000	Ug5_2_8_L_0						
45 D	25.06	1.2204E-04	49.71	59.01	88.00	62.13	UL-RL	4.6600E+04	-8.800	66.29	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
46 D	25.70	1.2305E-04	51.43	59.93	90.00	62.98	UL-RL	4.6600E+04	-9.000	68.57	
1.000	1.000	128.5	0.000	0.000	Ug5_2_8_L_0						
47 D	26.34	1.2416E-04	53.14	60.85	92.00	63.83	UL-RL	4.6600E+04	-9.200	70.86	
1.000	1.000	131.7	0.000	0.000	Ug5_2_8_L_0						
48 D	26.98	1.2528E-04	54.86	61.76	94.00	64.67	UL-RL	4.6600E+04	-9.400	73.14	
1.000	1.000	134.9	0.000	0.000	Ug5_2_8_L_0						
49 D	27.62	1.2633E-04	56.57	62.65	96.00	65.51	UL-RL	4.6600E+04	-9.600	75.43	
1.000	1.000	138.1	0.000	0.000	Ug5_2_8_L_0						
50 D	28.25	1.2725E-04	58.29	63.53	98.00	66.36	UL-RL	4.6600E+04	-9.800	77.71	
1.000	1.000	141.2	0.000	0.000	Ug5_2_8_L_0						
51 D	28.88	1.2801E-04	60.00	64.40	100.00	67.20	UL-RL	4.6600E+04	-10.00	80.00	
1.000	1.000	144.4	0.000	0.000	Ug5_2_8_L_0						
52 D	29.51	1.2860E-04	61.71	65.24	102.0	68.03	UL-RL	4.6600E+04	-10.20	82.29	
1.000	1.000	147.5	0.000	0.000	Ug5_2_8_L_0						
53 D	30.13	1.2902E-04	63.43	66.07	104.0	68.87	UL-RL	4.6600E+04	-10.40	84.57	
1.000	1.000	150.6	0.000	0.000	Ug5_2_8_L_0						
54 D	30.75	1.2928E-04	65.14	66.89	106.0	69.71	UL-RL	4.6600E+04	-10.60	86.86	
1.000	1.000	153.7	0.000	0.000	Ug5_2_8_L_0						
55 D	31.37	1.2939E-04	66.86	67.69	108.0	70.55	UL-RL	4.6600E+04	-10.80	89.14	
1.000	1.000	156.8	0.000	0.000	Ug5_2_8_L_0						
56 D	31.98	1.2939E-04	68.57	68.48	110.0	71.39	UL-RL	4.6600E+04	-11.00	91.43	
1.000	1.000	159.9	0.000	0.000	Ug5_2_8_L_0						
57 D	32.60	1.2929E-04	70.29	69.27	112.0	72.22	UL-RL	4.6600E+04	-11.20	93.71	
1.000	1.000	163.0	0.000	0.000	Ug5_2_8_L_0						
58 D	33.21	1.2913E-04	72.00	70.05	114.0	73.06	UL-RL	4.6600E+04	-11.40	96.00	
1.000	1.000	166.0	0.000	0.000	Ug5_2_8_L_0						
59 D	33.82	1.2893E-04	73.71	70.82	116.0	73.90	UL-RL	4.6600E+04	-11.60	98.29	
1.000	1.000	169.1	0.000	0.000	Ug5_2_8_L_0						
60 D	34.43	1.2871E-04	75.43	71.60	118.0	74.74	UL-RL	4.6600E+04	-11.80	100.6	
1.000	1.000	172.2	0.000	0.000	Ug5_2_8_L_0						
61 D	17.52	1.2849E-04	77.14	72.37	120.0	75.57	UL-RL	4.6600E+04	-12.00	102.9	
1.000	1.000	175.2	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      4.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.51822E-10-1.51822E-10 1.52283E-11-4.37810E-11
    2  1.4294     -1.4294     6.30103E-11 0.28588
    3  3.5347     -3.5347    -0.28588     0.99281
    4  6.1579     -6.1579    -0.99281      2.2244
    5  9.3229     -9.3229     -2.2244      4.0890
    6  13.027     -13.027     -4.0890      6.6943
    7  17.230     -17.230     -6.6943      10.140
    8  21.918     -21.918     -10.140      14.524
    9  27.090     -27.090     -14.524      19.942
   10  32.719     -32.719     -19.942      26.486
   11  38.797     -38.797     -26.486      34.245
   12  45.296     -45.296     -34.245      43.304
   13  52.202     -52.202     -43.304      53.745
   14  39.480     -39.480     -53.745      61.641
   15  47.103     -47.103     -61.641      71.061
   16 -16.969      16.969     -71.061      67.667
   17 -10.575      10.575     -67.667      65.552
   18 -5.6943      5.6943     -65.552      64.414
   19 -2.3262      2.3262     -64.414      63.948
   20-0.46559     0.46559     -63.948      63.855
   21-0.11706     0.11706     -63.855      63.832
   22 -1.2760      1.2760     -63.832      63.577
   23 -3.9469      3.9469     -63.577      62.787
   24 -6.6601      6.6601     -62.787      61.455
   25 -9.1035      9.1035     -61.455      59.634
   26 -11.317      11.317     -59.634      57.371
   27 -13.353      13.353     -57.371      54.701
   28 -15.249      15.249     -54.701      51.651
   29 -17.041      17.041     -51.651      48.243
   30 -18.760      18.760     -48.243      44.490
   31 -20.345      20.345     -44.490      40.422
   32 -21.120      21.120     -40.422      36.198
   33 -21.247      21.247     -36.198      31.948
   34 -20.871      20.871     -31.948      27.774
   35 -20.023      20.023     -27.774      23.770
   36 -18.790      18.790     -23.770      20.012
   37 -17.297      17.297     -20.012      16.552
   38 -15.648      15.648     -16.552      13.423
   39 -13.926      13.926     -13.423      10.637
   40 -12.194      12.194     -10.637      8.1986
   41 -10.503      10.503     -8.1986      6.0981
   42 -8.8854      8.8854     -6.0981      4.3210
   43 -7.3709      7.3709     -4.3210      2.8468
   44 -5.9779      5.9779     -2.8468      1.6512
   45 -4.7179      4.7179     -1.6512     0.70766
   46 -3.5963      3.5963    -0.70766    -1.15961E-02
   47 -2.6135      2.6135     1.15961E-02-0.53430
   48 -1.7668      1.7668     0.53430    -0.88766
   49 -1.0507      1.0507     0.88766     -1.0978
   50-0.45823     0.45823      1.0978     -1.1894
   51 1.82991E-02-1.82991E-02  1.1894     -1.1858
   52 0.38685    -0.38685      1.1858     -1.1084
   53 0.65511    -0.65511      1.1084    -0.97739
   54 0.83006    -0.83006     0.97739    -0.81138
   55 0.91778    -0.91778     0.81138    -0.62782
   56 0.92328    -0.92328     0.62782    -0.44317
   57 0.85041    -0.85041     0.44317    -0.27309
   58 0.70190    -0.70190     0.27309    -0.13271
   59 0.47948    -0.47948     0.13271    -3.68113E-02
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   60 0.18405    -0.18405     3.68113E-02-6.59494E-13

ITER     0 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7785E+05 RIMNOR=0.1530E+06
           RENORM=0.2180E+05 REMNOR=0.1967E-20 RATIO =0.5292     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 105.0     RMMAX = 71.06
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7785E+05 RDR   =0.1530E+06
           RATIOT=0.5292     RATIOR= 0.000
           MAX UN= 71.83     IEQ=    31 NODE     16 DOF   1  Y-DISPL.F
           MIN UN=-103.2     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7785E+05 RIMNOR=0.1530E+06
           RENORM=0.7748     REMNOR=0.8727E-21 RATIO =0.3155E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 105.0     RMMAX = 71.06
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7785E+05 RDR   =0.1530E+06
           RATIOT=0.3155E-02 RATIOR= 0.000
           MAX UN=0.5465     IEQ=    61 NODE     31 DOF   1  Y-DISPL.F
           MIN UN=-.2232     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.1751E+05 RMNORM= 0.000
           RINORM=0.7785E+05 RIMNOR=0.1530E+06
           RENORM=0.1185E-05 REMNOR=0.1370E-20 RATIO =0.3902E-05 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 105.0     RMMAX = 71.06
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.7785E+05 RDR   =0.1530E+06
           RATIOT=0.3902E-05 RATIOR= 0.000
           MAX UN=0.1089E-02 IEQ=    51 NODE     26 DOF   1  Y-DISPL.F
           MIN UN=-.4392E-09 IEQ=     7 NODE      4 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project
SOLUTION REACHED USING     3 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   4.9124409E-03  -1.1211191E-03
    2   4.6882171E-03  -1.1211191E-03
    3   4.4639988E-03  -1.1210359E-03
    4   4.2398230E-03  -1.1206482E-03
    5   4.0157811E-03  -1.1196366E-03
    6   3.7920372E-03  -1.1175931E-03
    7   3.5688458E-03  -1.1140199E-03
    8   3.3465702E-03  -1.1083323E-03
    9   3.1256984E-03  -1.0998623E-03
   10   2.9068608E-03  -1.0878597E-03
   11   2.6908454E-03  -1.0714942E-03
   12   2.4786145E-03  -1.0498575E-03
   13   2.2713194E-03  -1.0219656E-03
   14   2.0703157E-03  -9.8676229E-04
   15   1.8771770E-03  -9.4312191E-04
   16   1.6937087E-03  -8.8985427E-04
   17   1.5219596E-03  -8.2570958E-04
   18   1.3637250E-03  -7.5705089E-04
   19   1.2190213E-03  -6.9016108E-04
   20   1.0876407E-03  -6.2356851E-04
   21   9.6967732E-04  -5.5573289E-04
   22   8.6514543E-04  -4.9093826E-04
   23   7.7281026E-04  -4.3352011E-04
   24   6.9133537E-04  -3.8213209E-04
   25   6.1962819E-04  -3.3568257E-04
   26   5.5678872E-04  -2.9333747E-04
   27   5.0205819E-04  -2.5452144E-04
   28   4.5476732E-04  -2.1890192E-04
   29   4.1429374E-04  -1.8633764E-04
   30   3.8003262E-04  -1.5676799E-04
   31   3.5139027E-04  -1.3014246E-04
   32   3.2778198E-04  -1.0642351E-04
   33   3.0862903E-04  -8.5583975E-05
   34   2.9336008E-04  -6.7569048E-05
   35   2.8142041E-04  -5.2269117E-05
   36   2.7228179E-04  -3.9528926E-05
   37   2.6545127E-04  -2.9152699E-05
   38   2.6047810E-04  -2.0916080E-05
   39   2.5695814E-04  -1.4580029E-05
   40   2.5453559E-04  -9.9014866E-06
   41   2.5290296E-04  -6.6416449E-06
   42   2.5179958E-04  -4.5720156E-06
   43   2.5100908E-04  -3.4786097E-06
   44   2.5035617E-04  -3.1647302E-06
   45   2.4970305E-04  -3.4529457E-06
   46   2.4894534E-04  -4.1860605E-06
   47   2.4800808E-04  -5.2272664E-06
   48   2.4684168E-04  -6.4596969E-06
   49   2.4541798E-04  -7.7855370E-06
   50   2.4372658E-04  -9.1248313E-06
   51   2.4177138E-04  -1.0414153E-05
   52   2.3956742E-04  -1.1605164E-05
   53   2.3713826E-04  -1.2663061E-05
   54   2.3451267E-04  -1.3565619E-05
   55   2.3172312E-04  -1.4301534E-05
   56   2.2880324E-04  -1.4869627E-05
   57   2.2578593E-04  -1.5277912E-05
   58   2.2270163E-04  -1.5542908E-05
   59   2.1957668E-04  -1.5689135E-05
   60   2.1643175E-04  -1.5748766E-05
   61   2.1328015E-04  -1.5761425E-05
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                       |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                       |
|                                  Exe Time :24 May 2018       18:23:41                                                 |
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New Project
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S T R E S S   R E S U L T S   F O R   G R O U P   N O.   1

0_L :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 61
C U R R E N T   T I M E   I S   5.0000

HARDENING 2D SOIL ELEMENT

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

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR	Peq	Su_a	Su_p	LAYER
1 D	0.000	-4.9124E-03	0.000	0.000	0.000	0.000	PASSIVE	0.000	0.000	0.000	1.000	1.000	0.000	0.000	0.000	Ug5_2_8_L_0
2 D	1.138	-4.6882E-03	2.548	4.088	2.548	5.490	UL-RL	5.4771E+04	-0.2000	1.600	1.000	1.000	5.688	0.000	0.000	Ug5_2_8_L_0
3 D	1.888	-4.4640E-03	5.579	6.239	5.579	8.815	UL-RL	5.4771E+04	-0.4000	3.200	1.000	1.000	9.439	0.000	0.000	Ug5_2_8_L_0
4 D	2.480	-4.2398E-03	8.808	7.600	8.808	11.65	UL-RL	5.4771E+04	-0.6000	4.800	1.000	1.000	12.40	0.000	0.000	Ug5_2_8_L_0
5 D	3.096	-4.0158E-03	12.43	9.081	12.43	14.00	UL-RL	5.4771E+04	-0.8000	6.400	1.000	1.000	15.48	0.000	0.000	Ug5_2_8_L_0
6 D	3.710	-3.7920E-03	16.05	10.55	16.05	16.11	UL-RL	5.4771E+04	-1.000	8.000	1.000	1.000	18.55	0.000	0.000	Ug5_2_8_L_0
7 D	4.285	-3.5688E-03	19.11	11.83	19.11	18.11	UL-RL	5.4771E+04	-1.200	9.600	1.000	1.000	21.43	0.000	0.000	Ug5_2_8_L_0
8 D	4.847	-3.3466E-03	22.05	13.04	22.05	20.02	UL-RL	5.4771E+04	-1.400	11.20	1.000	1.000	24.24	0.000	0.000	Ug5_2_8_L_0
9 D	5.409	-3.1257E-03	25.11	14.24	25.11	21.87	UL-RL	5.4771E+04	-1.600	12.80	1.000	1.000	27.04	0.000	0.000	Ug5_2_8_L_0
10 D	5.944	-2.9069E-03	27.92	15.32	27.92	23.65	UL-RL	5.4771E+04	-1.800	14.40	1.000	1.000	29.72	0.000	0.000	Ug5_2_8_L_0
11 D	6.474	-2.6908E-03	30.86	16.37	30.86	25.38	UL-RL	5.4771E+04	-2.000	16.00	1.000	1.000	32.37	0.000	0.000	Ug5_2_8_L_0
12 D	6.977	-2.4786E-03	33.63	17.28	33.63	27.06	UL-RL	5.4771E+04	-2.200	17.60	1.000	1.000	34.88	0.000	0.000	Ug5_2_8_L_0
13 D	7.466	-2.2713E-03	36.53	18.13	36.53	28.68	UL-RL	5.4771E+04	-2.400	19.20	1.000	1.000	37.33	0.000	0.000	Ug5_2_8_L_0
14 D	7.922	-2.0703E-03	39.29	18.81	39.29	30.25	UL-RL	5.4771E+04	-2.600	20.80	1.000	1.000	39.61	0.000	0.000	Ug5_2_8_L_0
15 D	8.351	-1.8772E-03	42.17	19.35	42.17	31.77	UL-RL	5.4771E+04	-2.800	22.40	1.000	1.000	41.75	0.000	0.000	Ug5_2_8_L_0
16 D	8.732	-1.6937E-03	44.95	19.66	44.95	33.24	UL-RL	5.4771E+04	-3.000	24.00	1.000	1.000	43.66	0.000	0.000	Ug5_2_8_L_0
17 D	9.282	-1.5220E-03	47.83	20.81	47.83	34.66	UL-RL	5.4771E+04	-3.200	25.60	1.000	1.000	46.41	0.000	0.000	Ug5_2_8_L_0
18 D	9.815	-1.3637E-03	50.62	21.87	50.62	36.03	UL-RL	5.4771E+04	-3.400	27.20	1.000	1.000	49.07	0.000	0.000	Ug5_2_8_L_0
19 D	10.31	-1.2190E-03	53.42	22.73	53.42	37.37	UL-RL	5.4771E+04	-3.600	28.80	1.000	1.000	51.53	0.000	0.000	Ug5_2_8_L_0
20 D	10.76	-1.0876E-03	56.30	23.39	56.30	38.66	UL-RL	5.4771E+04	-3.800	30.40	1.000	1.000	53.79	0.000	0.000	Ug5_2_8_L_0
21 D	11.16	-9.6968E-04	59.11	23.81	59.11	39.92	UL-RL	5.4771E+04	-4.000	32.00	1.000	1.000	55.81	0.000	0.000	Ug5_2_8_L_0
22 D	11.53	-8.6515E-04	61.98	24.03	61.98	41.14	UL-RL	5.4771E+04	-4.200	33.60	1.000	1.000	57.63	0.000	0.000	Ug5_2_8_L_0
23 D	11.85	-7.7281E-04	64.79	24.07	64.79	42.33	UL-RL	5.4771E+04	-4.400	35.20	1.000	1.000	59.27	0.000	0.000	Ug5_2_8_L_0
24 D	12.17	-6.9134E-04	67.67	24.04	67.67	43.49	UL-RL	5.4771E+04	-4.600	36.80	1.000	1.000	60.84	0.000	0.000	Ug5_2_8_L_0
25 D	12.47	-6.1963E-04	70.48	23.96	70.48	44.63	UL-RL	5.4771E+04	-4.800	38.40	1.000	1.000	62.36	0.000	0.000	Ug5_2_8_L_0
26 D	12.78	-5.5679E-04	73.28	23.89	73.28	45.73	UL-RL	5.4771E+04	-5.000	40.00	1.000	1.000	63.89	0.000	0.000	Ug5_2_8_L_0
27 D	13.16	-5.0206E-04	75.86	24.20	75.86	46.82	ACTIVE	0.000	-5.200	41.60	1.000	1.000	65.80	0.000	0.000	Ug5_2_8_L_0
28 D	13.64	-4.5477E-04	78.45	25.02	78.45	47.88	ACTIVE	0.000	-5.400	43.20						

1.000	1.000	68.22	0.000	0.000	Ug5_2_8_L_0					
29 D	14.13	-4.1429E-04	81.04	25.85	81.04	48.92	ACTIVE	0.000	-5.600	44.80
1.000	1.000	70.65	0.000	0.000	Ug5_2_8_L_0					
30 D	14.62	-3.8003E-04	83.64	26.68	83.64	49.95	ACTIVE	0.000	-5.800	46.40
1.000	1.000	73.08	0.000	0.000	Ug5_2_8_L_0					
31 D	15.10	-3.5139E-04	86.24	27.51	86.24	50.96	ACTIVE	0.000	-6.000	48.00
1.000	1.000	75.51	0.000	0.000	Ug5_2_8_L_0					
32 D	15.65	-3.2778E-04	88.84	28.66	88.84	51.95	UL-RL	5.4771E+04	-6.200	49.60
1.000	1.000	78.26	0.000	0.000	Ug5_2_8_L_0					
33 D	16.70	-3.0863E-04	91.45	32.28	91.45	52.93	UL-RL	5.4771E+04	-6.400	51.20
1.000	1.000	83.48	0.000	0.000	Ug5_2_8_L_0					
34 D	17.63	-2.9336E-04	94.30	35.37	94.30	53.90	UL-RL	5.4771E+04	-6.600	52.80
1.000	1.000	88.17	0.000	0.000	Ug5_2_8_L_0					
35 D	18.48	-2.8142E-04	97.05	38.01	97.05	54.86	UL-RL	5.4771E+04	-6.800	54.40
1.000	1.000	92.41	0.000	0.000	Ug5_2_8_L_0					
36 D	19.25	-2.7228E-04	100.4	40.25	100.4	55.81	UL-RL	5.4771E+04	-7.000	56.00
1.000	1.000	96.25	0.000	0.000	Ug5_2_8_L_0					
37 D	19.95	-2.6545E-04	103.1	42.17	103.1	56.75	UL-RL	5.4771E+04	-7.200	57.60
1.000	1.000	99.77	0.000	0.000	Ug5_2_8_L_0					
38 D	20.61	-2.6048E-04	106.3	43.83	106.3	57.68	UL-RL	5.4771E+04	-7.400	59.20
1.000	1.000	103.0	0.000	0.000	Ug5_2_8_L_0					
39 D	21.21	-2.5696E-04	109.0	45.27	109.0	58.60	UL-RL	5.4771E+04	-7.600	60.80
1.000	1.000	106.1	0.000	0.000	Ug5_2_8_L_0					
40 D	21.79	-2.5454E-04	112.2	46.55	112.2	59.52	UL-RL	5.4771E+04	-7.800	62.40
1.000	1.000	108.9	0.000	0.000	Ug5_2_8_L_0					
41 D	22.34	-2.5290E-04	115.4	47.70	115.4	60.43	UL-RL	5.4771E+04	-8.000	64.00
1.000	1.000	111.7	0.000	0.000	Ug5_2_8_L_0					
42 D	22.87	-2.5180E-04	118.0	48.77	118.0	61.34	UL-RL	5.4771E+04	-8.200	65.60
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0					
43 D	23.39	-2.5101E-04	121.1	49.77	121.1	62.25	UL-RL	5.4771E+04	-8.400	67.20
1.000	1.000	117.0	0.000	0.000	Ug5_2_8_L_0					
44 D	23.91	-2.5036E-04	123.7	50.74	123.7	63.15	UL-RL	5.4771E+04	-8.600	68.80
1.000	1.000	119.5	0.000	0.000	Ug5_2_8_L_0					
45 D	24.42	-2.4970E-04	126.8	51.69	126.8	64.04	UL-RL	5.4771E+04	-8.800	70.40
1.000	1.000	122.1	0.000	0.000	Ug5_2_8_L_0					
46 D	24.93	-2.4895E-04	129.4	52.64	129.4	64.93	UL-RL	5.4771E+04	-9.000	72.00
1.000	1.000	124.6	0.000	0.000	Ug5_2_8_L_0					
47 D	25.44	-2.4801E-04	132.4	53.61	132.4	65.83	UL-RL	5.4771E+04	-9.200	73.60
1.000	1.000	127.2	0.000	0.000	Ug5_2_8_L_0					
48 D	25.96	-2.4684E-04	135.0	54.59	135.0	66.71	UL-RL	5.4771E+04	-9.400	75.20
1.000	1.000	129.8	0.000	0.000	Ug5_2_8_L_0					
49 D	26.48	-2.4542E-04	138.0	55.60	138.0	67.60	UL-RL	5.4771E+04	-9.600	76.80
1.000	1.000	132.4	0.000	0.000	Ug5_2_8_L_0					
50 D	27.01	-2.4373E-04	140.6	56.63	140.6	68.49	UL-RL	5.4771E+04	-9.800	78.40
1.000	1.000	135.0	0.000	0.000	Ug5_2_8_L_0					
51 D	27.54	-2.4177E-04	143.6	57.69	143.6	69.37	UL-RL	5.4771E+04	-10.00	80.00
1.000	1.000	137.7	0.000	0.000	Ug5_2_8_L_0					
52 D	28.08	-2.3957E-04	146.2	58.78	146.2	70.25	UL-RL	5.4771E+04	-10.20	81.60
1.000	1.000	140.4	0.000	0.000	Ug5_2_8_L_0					
53 D	28.62	-2.3714E-04	149.1	59.89	149.1	71.13	UL-RL	5.4771E+04	-10.40	83.20
1.000	1.000	143.1	0.000	0.000	Ug5_2_8_L_0					
54 D	29.17	-2.3451E-04	152.0	61.03	152.0	72.02	UL-RL	5.4771E+04	-10.60	84.80
1.000	1.000	145.8	0.000	0.000	Ug5_2_8_L_0					
55 D	29.72	-2.3172E-04	154.6	62.18	154.6	72.90	UL-RL	5.4771E+04	-10.80	86.40
1.000	1.000	148.6	0.000	0.000	Ug5_2_8_L_0					
56 D	30.27	-2.2880E-04	157.5	63.35	157.5	73.78	UL-RL	5.4771E+04	-11.00	88.00
1.000	1.000	151.4	0.000	0.000	Ug5_2_8_L_0					
57 D	30.83	-2.2579E-04	160.0	64.53	160.0	74.66	UL-RL	5.4771E+04	-11.20	89.60
1.000	1.000	154.1	0.000	0.000	Ug5_2_8_L_0					
58 D	31.38	-2.2270E-04	162.9	65.72	162.9	75.54	UL-RL	5.4771E+04	-11.40	91.20
1.000	1.000	156.9	0.000	0.000	Ug5_2_8_L_0					
59 D	31.94	-2.1958E-04	165.4	66.92	165.4	76.42	UL-RL	5.4771E+04	-11.60	92.80
1.000	1.000	159.7	0.000	0.000	Ug5_2_8_L_0					
60 D	32.50	-2.1643E-04	168.3	68.12	168.3	77.30	UL-RL	5.4771E+04	-11.80	94.40
1.000	1.000	162.5	0.000	0.000	Ug5_2_8_L_0					
61 D	16.53	-2.1328E-04	170.8	69.31	170.8	78.18	UL-RL	5.4771E+04	-12.00	96.00
1.000	1.000	165.3	0.000	0.000	Ug5_2_8_L_0					

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                   |
 |                                                                                                                             |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                              |
 |                                 Exe Time :24 May 2018       18:23:41                                                        |
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 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      5.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------
-------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21 D   0.000      9.6968E-04   0.000       0.000       40.00       59.87       PASSIVE   0.000       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  22 D   1.457      8.6515E-04   1.600       4.887       42.00       57.95         UL-RL   3.4950E+04  -4.200       2.400
1.000       1.000       7.287       0.000       0.000     Ug5_2_8_L_0
  23 D   3.514      7.7281E-04   3.200       12.77       44.00       56.27         UL-RL   3.4950E+04  -4.400       4.800
1.000       1.000       17.57       0.000       0.000     Ug5_2_8_L_0
  24 D   5.582      6.9134E-04   4.800       20.71       46.00       55.46         UL-RL   3.4950E+04  -4.600       7.200
1.000       1.000       27.91       0.000       0.000     Ug5_2_8_L_0
  25 D   7.655      6.1963E-04   6.400       28.67       48.00       54.40         UL-RL   3.4950E+04  -4.800       9.600
1.000       1.000       38.27       0.000       0.000     Ug5_2_8_L_0
  26 D   9.725      5.5679E-04   8.000       36.62       50.00       53.53       PASSIVE   0.000       -5.000       12.00
1.000       1.000       48.62       0.000       0.000     Ug5_2_8_L_0
  27 D   11.67      5.0206E-04   9.600       43.95       52.00       52.86       PASSIVE   0.000       -5.200       14.40
1.000       1.000       58.35       0.000       0.000     Ug5_2_8_L_0
  28 D   13.20      4.5477E-04   11.20       49.20       54.00       52.38         UL-RL   3.4950E+04  -5.400       16.80
```

1.000	1.000	66.00	0.000	0.000	Ug5_2_8_L_0						
29 D	13.75	4.1429E-04	12.80	49.53	56.00	52.07	UL-RL	3.4950E+04	-5.600	19.20	
1.000	1.000	68.73	0.000	0.000	Ug5_2_8_L_0						
30 D	14.31	3.8003E-04	14.40	49.95	58.00	51.93	UL-RL	3.4950E+04	-5.800	21.60	
1.000	1.000	71.55	0.000	0.000	Ug5_2_8_L_0						
31 D	14.89	3.5139E-04	16.00	50.47	60.00	51.95	UL-RL	3.4950E+04	-6.000	24.00	
1.000	1.000	74.47	0.000	0.000	Ug5_2_8_L_0						
32 D	15.49	3.2778E-04	17.60	51.06	62.00	52.11	UL-RL	3.4950E+04	-6.200	26.40	
1.000	1.000	77.46	0.000	0.000	Ug5_2_8_L_0						
33 D	16.10	3.0863E-04	19.20	51.72	64.00	52.40	UL-RL	3.4950E+04	-6.400	28.80	
1.000	1.000	80.52	0.000	0.000	Ug5_2_8_L_0						
34 D	16.73	2.9336E-04	20.80	52.44	66.00	52.80	UL-RL	3.4950E+04	-6.600	31.20	
1.000	1.000	83.64	0.000	0.000	Ug5_2_8_L_0						
35 D	17.27	2.8142E-04	22.40	52.73	68.00	53.54	UL-RL	3.4950E+04	-6.800	33.60	
1.000	1.000	86.33	0.000	0.000	Ug5_2_8_L_0						
36 D	17.79	2.7228E-04	24.00	52.95	70.00	54.41	UL-RL	3.4950E+04	-7.000	36.00	
1.000	1.000	88.95	0.000	0.000	Ug5_2_8_L_0						
37 D	18.35	2.6545E-04	25.60	53.35	72.00	55.28	UL-RL	3.4950E+04	-7.200	38.40	
1.000	1.000	91.75	0.000	0.000	Ug5_2_8_L_0						
38 D	18.94	2.6048E-04	27.20	53.91	74.00	56.13	UL-RL	3.4950E+04	-7.400	40.80	
1.000	1.000	94.71	0.000	0.000	Ug5_2_8_L_0						
39 D	19.56	2.5696E-04	28.80	54.58	76.00	56.98	UL-RL	3.4950E+04	-7.600	43.20	
1.000	1.000	97.78	0.000	0.000	Ug5_2_8_L_0						
40 D	20.18	2.5454E-04	30.40	55.32	78.00	57.84	UL-RL	3.4950E+04	-7.800	45.60	
1.000	1.000	100.9	0.000	0.000	Ug5_2_8_L_0						
41 D	20.82	2.5290E-04	32.00	56.11	80.00	58.70	UL-RL	3.4950E+04	-8.000	48.00	
1.000	1.000	104.1	0.000	0.000	Ug5_2_8_L_0						
42 D	21.46	2.5180E-04	33.60	56.92	82.00	59.56	UL-RL	3.4950E+04	-8.200	50.40	
1.000	1.000	107.3	0.000	0.000	Ug5_2_8_L_0						
43 D	22.11	2.5101E-04	35.20	57.76	84.00	60.42	UL-RL	3.4950E+04	-8.400	52.80	
1.000	1.000	110.6	0.000	0.000	Ug5_2_8_L_0						
44 D	22.76	2.5036E-04	36.80	58.62	86.00	61.28	UL-RL	3.4950E+04	-8.600	55.20	
1.000	1.000	113.8	0.000	0.000	Ug5_2_8_L_0						
45 D	23.41	2.4970E-04	38.40	59.47	88.00	62.13	UL-RL	3.4950E+04	-8.800	57.60	
1.000	1.000	117.1	0.000	0.000	Ug5_2_8_L_0						
46 D	24.06	2.4895E-04	40.00	60.32	90.00	62.98	UL-RL	3.4950E+04	-9.000	60.00	
1.000	1.000	120.3	0.000	0.000	Ug5_2_8_L_0						
47 D	24.71	2.4801E-04	41.60	61.15	92.00	63.83	UL-RL	3.4950E+04	-9.200	62.40	
1.000	1.000	123.5	0.000	0.000	Ug5_2_8_L_0						
48 D	25.35	2.4684E-04	43.20	61.96	94.00	64.67	UL-RL	3.4950E+04	-9.400	64.80	
1.000	1.000	126.8	0.000	0.000	Ug5_2_8_L_0						
49 D	25.99	2.4542E-04	44.80	62.76	96.00	65.51	UL-RL	3.4950E+04	-9.600	67.20	
1.000	1.000	130.0	0.000	0.000	Ug5_2_8_L_0						
50 D	26.63	2.4373E-04	46.40	63.53	98.00	66.36	UL-RL	3.4950E+04	-9.800	69.60	
1.000	1.000	133.1	0.000	0.000	Ug5_2_8_L_0						
51 D	27.26	2.4177E-04	48.00	64.28	100.00	67.20	UL-RL	3.4950E+04	-10.00	72.00	
1.000	1.000	136.3	0.000	0.000	Ug5_2_8_L_0						
52 D	27.88	2.3957E-04	49.60	65.01	102.0	68.03	UL-RL	3.4950E+04	-10.20	74.40	
1.000	1.000	139.4	0.000	0.000	Ug5_2_8_L_0						
53 D	28.51	2.3714E-04	51.20	65.73	104.0	68.87	UL-RL	3.4950E+04	-10.40	76.80	
1.000	1.000	142.5	0.000	0.000	Ug5_2_8_L_0						
54 D	29.12	2.3451E-04	52.80	66.42	106.0	69.71	UL-RL	3.4950E+04	-10.60	79.20	
1.000	1.000	145.6	0.000	0.000	Ug5_2_8_L_0						
55 D	29.74	2.3172E-04	54.40	67.10	108.0	70.55	UL-RL	3.4950E+04	-10.80	81.60	
1.000	1.000	148.7	0.000	0.000	Ug5_2_8_L_0						
56 D	30.36	2.2880E-04	56.00	67.78	110.0	71.39	UL-RL	3.4950E+04	-11.00	84.00	
1.000	1.000	151.8	0.000	0.000	Ug5_2_8_L_0						
57 D	30.97	2.2579E-04	57.60	68.44	112.0	72.22	UL-RL	3.4950E+04	-11.20	86.40	
1.000	1.000	154.8	0.000	0.000	Ug5_2_8_L_0						
58 D	31.58	2.2270E-04	59.20	69.09	114.0	73.06	UL-RL	3.4950E+04	-11.40	88.80	
1.000	1.000	157.9	0.000	0.000	Ug5_2_8_L_0						
59 D	32.19	2.1958E-04	60.80	69.75	116.0	73.90	UL-RL	3.4950E+04	-11.60	91.20	
1.000	1.000	160.9	0.000	0.000	Ug5_2_8_L_0						
60 D	32.80	2.1643E-04	62.40	70.40	118.0	74.74	UL-RL	3.4950E+04	-11.80	93.60	
1.000	1.000	164.0	0.000	0.000	Ug5_2_8_L_0						
61 D	16.70	2.1328E-04	64.00	71.04	120.0	75.57	UL-RL	3.4950E+04	-12.00	96.00	
1.000	1.000	167.0	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      5.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 2.73346E-11-2.73346E-11 2.90301E-12-5.62670E-11
    2  1.1376     -1.1376     5.89113E-11 0.22753
    3  3.0254     -3.0254    -0.22753     0.83260
    4  5.5053     -5.5053    -0.83260      1.9337
    5  8.6016     -8.6016     -1.9337      3.6540
    6  12.312     -12.312     -3.6540      6.1163
    7  16.597     -16.597     -6.1163      9.4357
    8  21.444     -21.444     -9.4357      13.725
    9  26.853     -26.853     -13.725      19.095
   10  32.797     -32.797     -19.095      25.654
   11  39.271     -39.271     -25.654      33.509
   12  46.248     -46.248     -33.509      42.758
   13  53.714     -53.714     -42.758      53.501
   14  61.636     -61.636     -53.501      65.828
   15  69.987     -69.987     -65.828      79.826
   16  78.718     -78.718     -79.826      95.569
   17 -16.999      16.999     -95.569      92.169
   18 -7.1845      7.1845     -92.169      90.732
   19  3.1207     -3.1207     -90.732      91.357
   20  13.879     -13.879     -91.357      94.132
   21 -55.459      55.459     -94.132      83.040
   22 -45.391      45.391     -83.040      73.962
   23 -37.052      37.052     -73.962      66.552
   24 -30.466      30.466     -66.552      60.459
   25 -25.649      25.649     -60.459      55.329
   26 -22.598      22.598     -55.329      50.809
   27 -21.107      21.107     -50.809      46.588
   28 -20.664      20.664     -46.588      42.455
   29 -20.279      20.279     -42.455      38.399
   30 -19.973      19.973     -38.399      34.405
   31 -19.764      19.764     -34.405      30.452
   32 -19.605      19.605     -30.452      26.531
   33 -19.013      19.013     -26.531      22.728
   34 -18.106      18.106     -22.728      19.107
   35 -16.890      16.890     -19.107      15.729
   36 -15.429      15.429     -15.729      12.643
   37 -13.824      13.824     -12.643      9.8786
   38 -12.160      12.160     -9.8786      7.4466
   39 -10.501      10.501     -7.4466      5.3463
   40 -8.8950      8.8950     -5.3463      3.5673
   41 -7.3774      7.3774     -3.5673      2.0918
   42 -5.9694      5.9694     -2.0918     0.89795
   43 -4.6882      4.6882    -0.89795    -3.96889E-02
   44 -3.5436      3.5436     3.96889E-02-0.74840
   45 -2.5390      2.5390     0.74840     -1.2562
   46 -1.6732      1.6732      1.2562     -1.5908
   47-0.94123     0.94123      1.5908     -1.7791
   48-0.33586     0.33586      1.7791     -1.8463
   49 0.15182    -0.15182      1.8463     -1.8159
   50 0.53149    -0.53149      1.8159     -1.7096
   51 0.81299    -0.81299      1.7096     -1.5470
   52  1.0058     -1.0058      1.5470     -1.3458
   53  1.1187     -1.1187      1.3458     -1.1221
   54  1.1596     -1.1596      1.1221    -0.89018
   55  1.1349     -1.1349     0.89018    -0.66320
   56  1.0500     -1.0500     0.66320    -0.45320
   57 0.90902    -0.90902     0.45320    -0.27140
   58 0.71479    -0.71479     0.27140    -0.12844
   59 0.46914    -0.46914     0.12844    -3.46122E-02
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   60 0.17305    -0.17305     3.46122E-02-4.03255E-13

ITER     0 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM=0.2297E+05 REMNOR=0.1370E-20 RATIO =0.4560     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.4560     RATIOR= 0.000
           MAX UN= 104.8     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-100.8     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM= 2.690     REMNOR=0.1815E-20 RATIO =0.4936E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.4936E-02 RATIOR= 0.000
           MAX UN=0.8161     IEQ=    65 NODE     33 DOF   1  Y-DISPL.F
           MIN UN=-.5986E-10 IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM=0.2539     REMNOR=0.1691E-20 RATIO =0.1516E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.1516E-02 RATIOR= 0.000
           MAX UN=0.3933     IEQ=    33 NODE     17 DOF   1  Y-DISPL.F
           MIN UN=-.3931E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM=0.3147E-01 REMNOR=0.1350E-20 RATIO =0.5338E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.5338E-03 RATIOR= 0.000
           MAX UN=0.1710     IEQ=    37 NODE     19 DOF   1  Y-DISPL.F
           MIN UN=-.4077E-09 IEQ=     9 NODE      5 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM=0.2642E-02 REMNOR=0.3057E-20 RATIO =0.1547E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.1547E-03 RATIOR= 0.000
           MAX UN=0.3911E-01 IEQ=    43 NODE     22 DOF   1  Y-DISPL.F
           MIN UN=-.3663E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM =0.3480E+05 RMNORM= 0.000
           RINORM=0.1104E+06 RIMNOR=0.1936E+06
           RENORM=0.4854E-18 REMNOR=0.1290E-20 RATIO =0.2097E-11 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 181.0     RMMAX = 95.57
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-03
           RDT   =0.1104E+06 RDR   =0.1936E+06
           RATIOT=0.2097E-11 RATIOR= 0.000
           MAX UN=0.3468E-09 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.3762E-09 IEQ=     5 NODE      3 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

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

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   5.2410586E-03  -1.1305412E-03
    2   5.0149503E-03  -1.1305412E-03
    3   4.7888444E-03  -1.1305072E-03
    4   4.5627567E-03  -1.1303347E-03
    5   4.3367316E-03  -1.1298460E-03
    6   4.1108563E-03  -1.1287869E-03
    7   3.8852770E-03  -1.1268251E-03
    8   3.6602136E-03  -1.1235531E-03
    9   3.4359751E-03  -1.1184908E-03
   10   3.2129735E-03  -1.1110859E-03
   11   2.9917385E-03  -1.1007145E-03
   12   2.7729318E-03  -1.0866814E-03
   13   2.5573611E-03  -1.0682206E-03
   14   2.3459945E-03  -1.0444954E-03
   15   2.1399744E-03  -1.0145981E-03
   16   1.9406319E-03  -9.7755069E-04
   17   1.7494998E-03  -9.3230403E-04
   18   1.5683306E-03  -8.7773905E-04
   19   1.3991048E-03  -8.1266526E-04
   20   1.2440491E-03  -7.3582201E-04
   21   1.1056500E-03  -6.4587833E-04
   22   9.8578280E-04  -5.5466991E-04
   23   8.8308197E-04  -4.7396290E-04
   24   7.9560048E-04  -4.0221335E-04
   25   7.2170712E-04  -3.3780649E-04
   26   6.6010074E-04  -2.7905676E-04
   27   6.0960417E-04  -2.2751436E-04
   28   5.6850705E-04  -1.8479500E-04
   29   5.3519708E-04  -1.4941202E-04
   30   5.0833876E-04  -1.2008132E-04
   31   4.8683315E-04  -9.5721583E-05
   32   4.6977738E-04  -7.5454291E-05
   33   4.5642377E-04  -5.8603354E-05
   34   4.4613982E-04  -4.4695672E-05
   35   4.3836918E-04  -3.3432692E-05
   36   4.3260577E-04  -2.4584349E-05
   37   4.2839086E-04  -1.7905079E-05
   38   4.2531652E-04  -1.3134293E-05
   39   4.2302749E-04  -1.0008261E-05
   40   4.2122076E-04  -8.2691237E-06
   41   4.1964374E-04  -7.6715567E-06
   42   4.1809124E-04  -7.9874131E-06
   43   4.1640175E-04  -9.0086193E-06
   44   4.1445319E-04  -1.0548824E-05
   45   4.1215854E-04  -1.2444353E-05
   46   4.0946117E-04  -1.4554327E-05
   47   4.0633043E-04  -1.6759997E-05
   48   4.0275730E-04  -1.8963667E-05
   49   3.9875030E-04  -2.1087239E-05
   50   3.9433178E-04  -2.3070540E-05
   51   3.8953439E-04  -2.4869612E-05
   52   3.8439806E-04  -2.6454938E-05
   53   3.7896794E-04  -2.7809591E-05
   54   3.7329023E-04  -2.8928176E-05
   55   3.6741213E-04  -2.9814886E-05
   56   3.6137887E-04  -3.0482644E-05
   57   3.5523229E-04  -3.0952069E-05
   58   3.4900943E-04  -3.1250708E-05
   59   3.4274114E-04  -3.1412480E-05
   60   3.3645090E-04  -3.1477296E-05
   61   3.3015332E-04  -3.1490819E-05
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
 +-------------------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1 D   0.000     -5.2411E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4654     -5.0150E-03   2.675      0.8532       2.675       5.490          ACTIVE   0.000      -0.2000       1.474
1.000       1.000       2.327       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9615     -4.7888E-03   5.831       1.860       5.831       8.815          ACTIVE   0.000      -0.4000       2.947
1.000       1.000       4.808       0.000       0.000     Ug5_2_8_L_0
   4 D   1.470     -4.5628E-03   9.186       2.930       9.186       11.65          ACTIVE   0.000      -0.6000       4.421
1.000       1.000       7.352       0.000       0.000     Ug5_2_8_L_0
   5 D   2.004     -4.3367E-03   12.93       4.126       12.93       14.00          ACTIVE   0.000      -0.8000       5.895
1.000       1.000       10.02       0.000       0.000     Ug5_2_8_L_0
   6 D   2.538     -4.1109E-03   16.68       5.320       16.68       16.11          ACTIVE   0.000       -1.000       7.368
1.000       1.000       12.69       0.000       0.000     Ug5_2_8_L_0
   7 D   3.036     -3.8853E-03   19.87       6.337       19.87       18.11          ACTIVE   0.000       -1.200       8.842
1.000       1.000       15.18       0.000       0.000     Ug5_2_8_L_0
   8 D   3.527     -3.6602E-03   22.94       7.317       22.94       20.02          ACTIVE   0.000       -1.400       10.32
1.000       1.000       17.63       0.000       0.000     Ug5_2_8_L_0
   9 D   4.024     -3.4360E-03   26.12       8.332       26.12       21.87          ACTIVE   0.000       -1.600       11.79
1.000       1.000       20.12       0.000       0.000     Ug5_2_8_L_0
  10 D   4.507     -3.2130E-03   29.06       9.270       29.06       23.65          ACTIVE   0.000       -1.800       13.26
1.000       1.000       22.53       0.000       0.000     Ug5_2_8_L_0
  11 D   4.997     -2.9917E-03   32.12       10.25       32.12       25.38          ACTIVE   0.000       -2.000       14.74
1.000       1.000       24.98       0.000       0.000     Ug5_2_8_L_0
  12 D   5.477     -2.7729E-03   35.02       11.17       35.02       27.06          ACTIVE   0.000       -2.200       16.21
1.000       1.000       27.38       0.000       0.000     Ug5_2_8_L_0
  13 D   5.964     -2.5574E-03   38.04       12.14       38.04       28.68          ACTIVE   0.000       -2.400       17.68
1.000       1.000       29.82       0.000       0.000     Ug5_2_8_L_0
  14 D   6.443     -2.3460E-03   40.94       13.06       40.94       30.25          ACTIVE   0.000       -2.600       19.16
1.000       1.000       32.22       0.000       0.000     Ug5_2_8_L_0
  15 D   6.930     -2.1400E-03   43.94       14.02       43.94       31.77          ACTIVE   0.000       -2.800       20.63
1.000       1.000       34.65       0.000       0.000     Ug5_2_8_L_0
  16 D   7.410     -1.9406E-03   46.85       14.94       46.85       33.24          ACTIVE   0.000       -3.000       22.11
1.000       1.000       37.05       0.000       0.000     Ug5_2_8_L_0
  17 D   7.896     -1.7495E-03   49.85       15.90       49.85       34.66          ACTIVE   0.000       -3.200       23.58
1.000       1.000       39.48       0.000       0.000     Ug5_2_8_L_0
  18 D   8.377     -1.5683E-03   52.77       16.83       52.77       36.03          ACTIVE   0.000       -3.400       25.05
1.000       1.000       41.89       0.000       0.000     Ug5_2_8_L_0
  19 D   8.858     -1.3991E-03   55.69       17.77       55.69       37.37          ACTIVE   0.000       -3.600       26.53
1.000       1.000       44.29       0.000       0.000     Ug5_2_8_L_0
  20 D   9.345     -1.2440E-03   58.70       18.73       58.70       38.66          ACTIVE   0.000       -3.800       28.00
1.000       1.000       46.73       0.000       0.000     Ug5_2_8_L_0
  21 D   9.827     -1.1057E-03   61.63       19.66       61.63       39.92          ACTIVE   0.000       -4.000       29.47
1.000       1.000       49.13       0.000       0.000     Ug5_2_8_L_0
  22 D   10.31     -9.8578E-04   64.64       20.62       64.64       41.14          ACTIVE   0.000       -4.200       30.95
1.000       1.000       51.57       0.000       0.000     Ug5_2_8_L_0
  23 D   10.80     -8.8308E-04   67.57       21.56       67.57       42.33          ACTIVE   0.000       -4.400       32.42
1.000       1.000       53.98       0.000       0.000     Ug5_2_8_L_0
  24 D   11.28     -7.9560E-04   70.57       22.51       70.57       43.49          ACTIVE   0.000       -4.600       33.89
1.000       1.000       56.41       0.000       0.000     Ug5_2_8_L_0
  25 D   11.76     -7.2171E-04   73.51       23.45       73.51       44.63          ACTIVE   0.000       -4.800       35.37
1.000       1.000       58.82       0.000       0.000     Ug5_2_8_L_0
  26 D   12.25     -6.6010E-04   76.44       24.38       76.44       45.73          ACTIVE   0.000       -5.000       36.84
1.000       1.000       61.23       0.000       0.000     Ug5_2_8_L_0
  27 D   12.71     -6.0960E-04   79.14       25.25       79.14       46.82          ACTIVE   0.000       -5.200       38.32
1.000       1.000       63.56       0.000       0.000     Ug5_2_8_L_0
  28 D   13.18     -5.6851E-04   81.86       26.11       81.86       47.88          ACTIVE   0.000       -5.400       39.79
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1.000	1.000	65.90	0.000	0.000	Ug5_2_8_L_0						
29 D	13.65	-5.3520E-04	84.58	26.98	84.58	48.92	ACTIVE	0.000	-5.600	41.26	
1.000	1.000	68.24	0.000	0.000	Ug5_2_8_L_0						
30 D	14.12	-5.0834E-04	87.30	27.85	87.30	49.95	ACTIVE	0.000	-5.800	42.74	
1.000	1.000	70.59	0.000	0.000	Ug5_2_8_L_0						
31 D	14.59	-4.8683E-04	90.03	28.72	90.03	50.96	ACTIVE	0.000	-6.000	44.21	
1.000	1.000	72.93	0.000	0.000	Ug5_2_8_L_0						
32 D	15.05	-4.6978E-04	92.76	29.59	92.76	51.95	ACTIVE	0.000	-6.200	45.68	
1.000	1.000	75.27	0.000	0.000	Ug5_2_8_L_0						
33 D	15.52	-4.5642E-04	95.49	30.46	95.49	52.93	ACTIVE	0.000	-6.400	47.16	
1.000	1.000	77.62	0.000	0.000	Ug5_2_8_L_0						
34 D	16.01	-4.4614E-04	98.47	31.41	98.47	53.90	ACTIVE	0.000	-6.600	48.63	
1.000	1.000	80.04	0.000	0.000	Ug5_2_8_L_0						
35 D	16.68	-4.3837E-04	101.3	33.28	101.3	54.86	UL-RL	4.3817E+04	-6.800	50.11	
1.000	1.000	83.38	0.000	0.000	Ug5_2_8_L_0						
36 D	17.40	-4.3261E-04	104.8	35.44	104.8	55.81	UL-RL	4.3817E+04	-7.000	51.58	
1.000	1.000	87.02	0.000	0.000	Ug5_2_8_L_0						
37 D	18.07	-4.2839E-04	107.6	37.31	107.6	56.75	UL-RL	4.3817E+04	-7.200	53.05	
1.000	1.000	90.36	0.000	0.000	Ug5_2_8_L_0						
38 D	18.69	-4.2532E-04	111.0	38.94	111.0	57.68	UL-RL	4.3817E+04	-7.400	54.53	
1.000	1.000	93.47	0.000	0.000	Ug5_2_8_L_0						
39 D	19.28	-4.2303E-04	113.8	40.39	113.8	58.60	UL-RL	4.3817E+04	-7.600	56.00	
1.000	1.000	96.39	0.000	0.000	Ug5_2_8_L_0						
40 D	19.84	-4.2122E-04	117.1	41.71	117.1	59.52	UL-RL	4.3817E+04	-7.800	57.47	
1.000	1.000	99.18	0.000	0.000	Ug5_2_8_L_0						
41 D	20.37	-4.1964E-04	120.4	42.92	120.4	60.43	UL-RL	4.3817E+04	-8.000	58.95	
1.000	1.000	101.9	0.000	0.000	Ug5_2_8_L_0						
42 D	20.90	-4.1809E-04	123.2	44.07	123.2	61.34	UL-RL	4.3817E+04	-8.200	60.42	
1.000	1.000	104.5	0.000	0.000	Ug5_2_8_L_0						
43 D	21.41	-4.1640E-04	126.4	45.18	126.4	62.25	UL-RL	4.3817E+04	-8.400	61.89	
1.000	1.000	107.1	0.000	0.000	Ug5_2_8_L_0						
44 D	21.93	-4.1445E-04	129.2	46.26	129.2	63.15	UL-RL	4.3817E+04	-8.600	63.37	
1.000	1.000	109.6	0.000	0.000	Ug5_2_8_L_0						
45 D	22.44	-4.1216E-04	132.4	47.35	132.4	64.04	UL-RL	4.3817E+04	-8.800	64.84	
1.000	1.000	112.2	0.000	0.000	Ug5_2_8_L_0						
46 D	22.95	-4.0946E-04	135.1	48.45	135.1	64.93	UL-RL	4.3817E+04	-9.000	66.32	
1.000	1.000	114.8	0.000	0.000	Ug5_2_8_L_0						
47 D	23.47	-4.0633E-04	138.3	49.58	138.3	65.83	UL-RL	4.3817E+04	-9.200	67.79	
1.000	1.000	117.4	0.000	0.000	Ug5_2_8_L_0						
48 D	24.00	-4.0276E-04	141.0	50.73	141.0	66.71	UL-RL	4.3817E+04	-9.400	69.26	
1.000	1.000	120.0	0.000	0.000	Ug5_2_8_L_0						
49 D	24.53	-3.9875E-04	144.1	51.91	144.1	67.60	UL-RL	4.3817E+04	-9.600	70.74	
1.000	1.000	122.6	0.000	0.000	Ug5_2_8_L_0						
50 D	25.07	-3.9433E-04	146.8	53.13	146.8	68.49	UL-RL	4.3817E+04	-9.800	72.21	
1.000	1.000	125.3	0.000	0.000	Ug5_2_8_L_0						
51 D	25.61	-3.8953E-04	149.9	54.37	149.9	69.37	UL-RL	4.3817E+04	-10.00	73.68	
1.000	1.000	128.1	0.000	0.000	Ug5_2_8_L_0						
52 D	26.16	-3.8440E-04	152.6	55.65	152.6	70.25	UL-RL	4.3817E+04	-10.20	75.16	
1.000	1.000	130.8	0.000	0.000	Ug5_2_8_L_0						
53 D	26.72	-3.7897E-04	155.7	56.96	155.7	71.13	UL-RL	4.3817E+04	-10.40	76.63	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
54 D	27.28	-3.7329E-04	158.7	58.29	158.7	72.02	UL-RL	4.3817E+04	-10.60	78.11	
1.000	1.000	136.4	0.000	0.000	Ug5_2_8_L_0						
55 D	27.85	-3.6741E-04	161.4	59.65	161.4	72.90	UL-RL	4.3817E+04	-10.80	79.58	
1.000	1.000	139.2	0.000	0.000	Ug5_2_8_L_0						
56 D	28.41	-3.6138E-04	164.4	61.02	164.4	73.78	UL-RL	4.3817E+04	-11.00	81.05	
1.000	1.000	142.1	0.000	0.000	Ug5_2_8_L_0						
57 D	28.98	-3.5523E-04	167.1	62.40	167.1	74.66	UL-RL	4.3817E+04	-11.20	82.53	
1.000	1.000	144.9	0.000	0.000	Ug5_2_8_L_0						
58 D	29.56	-3.4901E-04	170.1	63.79	170.1	75.54	UL-RL	4.3817E+04	-11.40	84.00	
1.000	1.000	147.8	0.000	0.000	Ug5_2_8_L_0						
59 D	30.13	-3.4274E-04	172.8	65.18	172.8	76.42	UL-RL	4.3817E+04	-11.60	85.47	
1.000	1.000	150.7	0.000	0.000	Ug5_2_8_L_0						
60 D	30.71	-3.3645E-04	175.8	66.58	175.8	77.30	UL-RL	4.3817E+04	-11.80	86.95	
1.000	1.000	153.5	0.000	0.000	Ug5_2_8_L_0						
61 D	15.64	-3.3015E-04	178.4	67.98	178.4	78.18	UL-RL	4.3817E+04	-12.00	88.42	
1.000	1.000	156.4	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
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 New Project


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

 0_R                           :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      6.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
----------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  26 D   0.000      6.6010E-04   0.000       0.000       50.00       53.53       PASSIVE   0.000      -5.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
  27 D   1.855      6.0960E-04   1.474       6.746       52.00       52.86       PASSIVE   0.000      -5.200       2.526
1.000       1.000       9.273       0.000       0.000     Ug5_2_8_L_0
  28 D   3.709      5.6851E-04   2.947       13.49       54.00       52.38       PASSIVE   0.000      -5.400       5.053
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1.000	1.000	18.55	0.000	0.000	Ug5_2_8_L_0						
29 D	5.564	5.3520E-04	4.421	20.24	56.00	52.07	PASSIVE	0.000	-5.600	7.579	
1.000	1.000	27.82	0.000	0.000	Ug5_2_8_L_0						
30 D	7.418	5.0834E-04	5.895	26.99	58.00	51.93	PASSIVE	0.000	-5.800	10.11	
1.000	1.000	37.09	0.000	0.000	Ug5_2_8_L_0						
31 D	9.273	4.8683E-04	7.368	33.73	60.00	51.95	PASSIVE	0.000	-6.000	12.63	
1.000	1.000	46.36	0.000	0.000	Ug5_2_8_L_0						
32 D	11.13	4.6978E-04	8.842	40.48	62.00	52.11	PASSIVE	0.000	-6.200	15.16	
1.000	1.000	55.64	0.000	0.000	Ug5_2_8_L_0						
33 D	12.98	4.5642E-04	10.32	47.23	64.00	52.40	PASSIVE	0.000	-6.400	17.68	
1.000	1.000	64.91	0.000	0.000	Ug5_2_8_L_0						
34 D	14.47	4.4614E-04	11.79	52.13	66.00	52.80	UL-RL	2.7960E+04	-6.600	20.21	
1.000	1.000	72.34	0.000	0.000	Ug5_2_8_L_0						
35 D	15.07	4.3837E-04	13.26	52.62	68.00	53.54	UL-RL	2.7960E+04	-6.800	22.74	
1.000	1.000	75.36	0.000	0.000	Ug5_2_8_L_0						
36 D	15.65	4.3261E-04	14.74	52.99	70.00	54.41	UL-RL	2.7960E+04	-7.000	25.26	
1.000	1.000	78.26	0.000	0.000	Ug5_2_8_L_0						
37 D	16.26	4.2839E-04	16.21	53.52	72.00	55.28	UL-RL	2.7960E+04	-7.200	27.79	
1.000	1.000	81.31	0.000	0.000	Ug5_2_8_L_0						
38 D	16.90	4.2532E-04	17.68	54.17	74.00	56.13	UL-RL	2.7960E+04	-7.400	30.32	
1.000	1.000	84.49	0.000	0.000	Ug5_2_8_L_0						
39 D	17.55	4.2303E-04	19.16	54.91	76.00	56.98	UL-RL	2.7960E+04	-7.600	32.84	
1.000	1.000	87.75	0.000	0.000	Ug5_2_8_L_0						
40 D	18.21	4.2122E-04	20.63	55.69	78.00	57.84	UL-RL	2.7960E+04	-7.800	35.37	
1.000	1.000	91.06	0.000	0.000	Ug5_2_8_L_0						
41 D	18.88	4.1964E-04	22.11	56.50	80.00	58.70	UL-RL	2.7960E+04	-8.000	37.89	
1.000	1.000	94.40	0.000	0.000	Ug5_2_8_L_0						
42 D	19.55	4.1809E-04	23.58	57.32	82.00	59.56	UL-RL	2.7960E+04	-8.200	40.42	
1.000	1.000	97.74	0.000	0.000	Ug5_2_8_L_0						
43 D	20.22	4.1640E-04	25.05	58.14	84.00	60.42	UL-RL	2.7960E+04	-8.400	42.95	
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0						
44 D	20.89	4.1445E-04	26.53	58.96	86.00	61.28	UL-RL	2.7960E+04	-8.600	45.47	
1.000	1.000	104.4	0.000	0.000	Ug5_2_8_L_0						
45 D	21.55	4.1216E-04	28.00	59.77	88.00	62.13	UL-RL	2.7960E+04	-8.800	48.00	
1.000	1.000	107.8	0.000	0.000	Ug5_2_8_L_0						
46 D	22.22	4.0946E-04	29.47	60.56	90.00	62.98	UL-RL	2.7960E+04	-9.000	50.53	
1.000	1.000	111.1	0.000	0.000	Ug5_2_8_L_0						
47 D	22.87	4.0633E-04	30.95	61.32	92.00	63.83	UL-RL	2.7960E+04	-9.200	53.05	
1.000	1.000	114.4	0.000	0.000	Ug5_2_8_L_0						
48 D	23.53	4.0276E-04	32.42	62.06	94.00	64.67	UL-RL	2.7960E+04	-9.400	55.58	
1.000	1.000	117.6	0.000	0.000	Ug5_2_8_L_0						
49 D	24.18	3.9875E-04	33.89	62.78	96.00	65.51	UL-RL	2.7960E+04	-9.600	58.11	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
50 D	24.82	3.9433E-04	35.37	63.46	98.00	66.36	UL-RL	2.7960E+04	-9.800	60.63	
1.000	1.000	124.1	0.000	0.000	Ug5_2_8_L_0						
51 D	25.46	3.8953E-04	36.84	64.12	100.00	67.20	UL-RL	2.7960E+04	-10.00	63.16	
1.000	1.000	127.3	0.000	0.000	Ug5_2_8_L_0						
52 D	26.09	3.8440E-04	38.32	64.76	102.0	68.03	UL-RL	2.7960E+04	-10.20	65.68	
1.000	1.000	130.4	0.000	0.000	Ug5_2_8_L_0						
53 D	26.72	3.7897E-04	39.79	65.37	104.0	68.87	UL-RL	2.7960E+04	-10.40	68.21	
1.000	1.000	133.6	0.000	0.000	Ug5_2_8_L_0						
54 D	27.34	3.7329E-04	41.26	65.96	106.0	69.71	UL-RL	2.7960E+04	-10.60	70.74	
1.000	1.000	136.7	0.000	0.000	Ug5_2_8_L_0						
55 D	27.96	3.6741E-04	42.74	66.54	108.0	70.55	UL-RL	2.7960E+04	-10.80	73.26	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
56 D	28.58	3.6138E-04	44.21	67.11	110.0	71.39	UL-RL	2.7960E+04	-11.00	75.79	
1.000	1.000	142.9	0.000	0.000	Ug5_2_8_L_0						
57 D	29.20	3.5523E-04	45.68	67.66	112.0	72.22	UL-RL	2.7960E+04	-11.20	78.32	
1.000	1.000	146.0	0.000	0.000	Ug5_2_8_L_0						
58 D	29.81	3.4901E-04	47.16	68.21	114.0	73.06	UL-RL	2.7960E+04	-11.40	80.84	
1.000	1.000	149.1	0.000	0.000	Ug5_2_8_L_0						
59 D	30.42	3.4274E-04	48.63	68.75	116.0	73.90	UL-RL	2.7960E+04	-11.60	83.37	
1.000	1.000	152.1	0.000	0.000	Ug5_2_8_L_0						
60 D	31.04	3.3645E-04	50.11	69.29	118.0	74.74	UL-RL	2.7960E+04	-11.80	85.89	
1.000	1.000	155.2	0.000	0.000	Ug5_2_8_L_0						
61 D	15.83	3.3015E-04	51.58	69.83	120.0	75.57	UL-RL	2.7960E+04	-12.00	88.42	
1.000	1.000	158.3	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
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New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      6.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 8.08243E-11-8.08243E-11 8.16103E-12-5.14353E-11
    2 0.46538    -0.46538     3.27838E-11 9.30754E-02
    3  1.4269     -1.4269    -9.30754E-02 0.37845
    4  2.8972     -2.8972    -0.37845     0.95789
    5  4.9014     -4.9014    -0.95789      1.9382
    6  7.4391     -7.4391     -1.9382      3.4260
    7  10.475     -10.475     -3.4260      5.5210
    8  14.002     -14.002     -5.5210      8.3213
    9  18.026     -18.026     -8.3213      11.926
   10  22.532     -22.532     -11.926      16.433
   11  27.529     -27.529     -16.433      21.939
   12  33.006     -33.006     -21.939      28.540
   13  38.970     -38.970     -28.540      36.334
   14  45.413     -45.413     -36.334      45.416
   15  52.343     -52.343     -45.416      55.885
   16  59.753     -59.753     -55.885      67.836
   17  67.649     -67.649     -67.836      81.365
   18  76.026     -76.026     -81.365      96.571
   19  84.884     -84.884     -96.571      113.55
   20  94.229     -94.229     -113.55      132.39
   21 -76.944      76.944     -132.39      117.00
   22 -66.630      66.630     -117.00      103.68
   23 -55.835      55.835     -103.68      92.512
   24 -44.553      44.553     -92.512      83.601
   25 -32.790      32.790     -83.601      77.043
   26 -65.745      65.745     -77.043      63.894
   27 -54.887      54.887     -63.894      52.917
   28 -45.415      45.415     -52.917      43.834
   29 -37.331      37.331     -43.834      36.368
   30 -30.632      30.632     -36.368      30.241
   31 -25.319      25.319     -30.241      25.177
   32 -21.391      21.391     -25.177      20.899
   33 -18.849      18.849     -20.899      17.130
   34 -17.309      17.309     -17.130      13.668
   35 -15.703      15.703     -13.668      10.527
   36 -13.951      13.951     -10.527      7.7367
   37 -12.142      12.142     -7.7367      5.3084
   38 -10.345      10.345     -5.3084      3.2394
   39 -8.6162      8.6162     -3.2394      1.5161
   40 -6.9912      6.9912     -1.5161     0.11787
   41 -5.4970      5.4970    -0.11787    -0.98154
   42 -4.1464      4.1464     0.98154     -1.8108
   43 -2.9493      2.9493      1.8108     -2.4007
   44 -1.9088      1.9088      2.4007     -2.7824
   45 -1.0229      1.0229      2.7824     -2.9870
   46-0.28541     0.28541      2.9870     -3.0441
   47 0.31274    -0.31274      3.0441     -2.9816
   48 0.78236    -0.78236      2.9816     -2.8251
   49  1.1353     -1.1353      2.8251     -2.5980
   50  1.3836     -1.3836      2.5980     -2.3213
   51  1.5392     -1.5392      2.3213     -2.0135
   52  1.6131     -1.6131      2.0135     -1.6909
   53  1.6154     -1.6154      1.6909     -1.3678
   54  1.5548     -1.5548      1.3678     -1.0568
   55  1.4387     -1.4387      1.0568    -0.76908
   56  1.2729     -1.2729     0.76908    -0.51450
   57  1.0620     -1.0620     0.51450    -0.30209
   58 0.80918    -0.80918     0.30209    -0.14026
   59 0.51640    -0.51640     0.14026    -3.69749E-02
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   60 0.18487    -0.18487     3.69749E-02-1.28047E-12

ITER     0 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM=0.1930E+06 REMNOR=0.1290E-20 RATIO = 1.068     TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT= 1.068     RATIOR= 0.000
           MAX UN= 180.7     IEQ=    41 NODE     21 DOF   1  Y-DISPL.F
           MIN UN=-322.3     IEQ=    49 NODE     25 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     2 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM= 405.5     REMNOR=0.1876E-20 RATIO =0.4895E-01 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT=0.4895E-01 RATIOR= 0.000
           MAX UN= 3.225     IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-9.134     IEQ=    63 NODE     32 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     3 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM= 13.88     REMNOR=0.3892E-20 RATIO =0.9058E-02 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT=0.9058E-02 RATIOR= 0.000
           MAX UN= 1.455     IEQ=    19 NODE     10 DOF   1  Y-DISPL.F
           MIN UN=-1.888     IEQ=    71 NODE     36 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     4 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM=0.3134E-01 REMNOR=0.1119E-20 RATIO =0.4304E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT=0.4304E-03 RATIOR= 0.000
           MAX UN=0.7615E-01 IEQ=   105 NODE     53 DOF   1  Y-DISPL.F
           MIN UN=-.1187     IEQ=    27 NODE     14 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     5 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM=0.2693E-01 REMNOR=0.2133E-20 RATIO =0.3989E-03 TOLER =0.1000E-03  NOT CONVERGED
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT=0.3989E-03 RATIOR= 0.000
           MAX UN=0.6007E-01 IEQ=     3 NODE      2 DOF   1  Y-DISPL.F
           MIN UN=-.2510E-02 IEQ=    89 NODE     45 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0


ITER     6 RNORM =0.1618E+06 RMNORM= 0.000
           RINORM=0.1692E+06 RIMNOR=0.2362E+06
           RENORM=0.2003E-03 REMNOR=0.2197E-20 RATIO =0.3440E-04 TOLER =0.1000E-03      CONVERGED !
           RFMAX = 322.0     RMMAX = 132.4
           RTSMAL=0.1000E-02 RMSMAL=0.1000E-02
           RDT   =0.1692E+06 RDR   =0.2362E+06
           RATIOT=0.3440E-04 RATIOR= 0.000
           MAX UN=0.6603E-03 IEQ=   105 NODE     53 DOF   1  Y-DISPL.F
           MIN UN=-.7951E-02 IEQ=    35 NODE     18 DOF   1  Y-DISPL.F
           NO. OF CONTACT CONSTRAINT VIOLATIONS     0
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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
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New Project
SOLUTION REACHED USING     6 ITERATIONS ON   40

P R I N T   O U T   F O R   T I M E   S T E P    7     ( AT TIME   7.000     )

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

          Y-DISPL.F        X-ROT. F
            (02)             (04)            (
    1   7.0386940E-03  -1.9872668E-03
    2   6.6412406E-03  -1.9872668E-03
    3   6.2437895E-03  -1.9872338E-03
    4   5.8463561E-03  -1.9870666E-03
    5   5.4489832E-03  -1.9865932E-03
    6   5.0517556E-03  -1.9855682E-03
    7   4.6548142E-03  -1.9836704E-03
    8   4.2583718E-03  -1.9805061E-03
    9   3.8627271E-03  -1.9756116E-03
   10   3.4682781E-03  -1.9684539E-03
   11   3.0755365E-03  -1.9584307E-03
   12   2.6851415E-03  -1.9448714E-03
   13   2.2978763E-03  -1.9269872E-03
   14   1.9147016E-03  -1.9037793E-03
   15   1.5368027E-03  -1.8739998E-03
   16   1.1656360E-03  -1.8362050E-03
   17   8.0295908E-04  -1.7888075E-03
   18   4.5086668E-04  -1.7300776E-03
   19   1.1180822E-04  -1.6581449E-03
   20  -2.1137724E-04  -1.5710018E-03
   21  -5.1543420E-04  -1.4665069E-03
   22  -7.9666991E-04  -1.3423837E-03
   23  -1.0509187E-03  -1.1962260E-03
   24  -1.2735224E-03  -1.0254989E-03
   25  -1.4593031E-03  -8.2754462E-04
   26  -1.6041103E-03  -6.2314208E-04
   27  -1.7095079E-03  -4.3296579E-04
   28  -1.7780462E-03  -2.5404099E-04
   29  -1.8116707E-03  -8.3312111E-05
   30  -1.8117087E-03   8.2351015E-05
   31  -1.7788551E-03   2.4614217E-04
   32  -1.7143357E-03   3.9368060E-04
   33  -1.6234254E-03   5.1058597E-04
   34  -1.5119310E-03   6.0004700E-04
   35  -1.3850277E-03   6.6519009E-04
   36  -1.2472720E-03   7.0907775E-04
   37  -1.1026144E-03   7.3471031E-04
   38  -9.5440984E-04   7.4502370E-04
   39  -8.0544249E-04   7.4277334E-04
   40  -6.5797554E-04   7.3039747E-04
   41  -5.1381483E-04   7.1005160E-04
   42  -3.7435618E-04   6.8368655E-04
   43  -2.4062366E-04   6.5306981E-04
   44  -1.1330576E-04   6.1979051E-04
   45   7.2088982E-06   5.8526543E-04
   46   1.2080013E-04   5.5074517E-04
   47   2.2757834E-04   5.1729557E-04
   48   3.2784652E-04   4.8576845E-04
   49   4.2205647E-04   4.5680260E-04
   50   5.1076706E-04   4.3083595E-04
   51   5.9460687E-04   4.0811629E-04
   52   6.7423657E-04   3.8871181E-04
   53   7.5030641E-04   3.7255614E-04
   54   8.2346146E-04   3.5949453E-04
   55   8.9429640E-04   3.4931552E-04
   56   9.6336232E-04   3.4175619E-04
   57   1.0311527E-03   3.3650354E-04
   58   1.0980933E-03   3.3319491E-04
   59   1.1645327E-03   3.3141819E-04
   60   1.2307320E-03   3.3071199E-04
   61   1.2968582E-03   3.3056565E-04
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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*                    |
 |                                                                                                                               |
 |                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                                |
 |                                 Exe Time :24 May 2018       18:23:41                                                          |
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 New Project


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

 0_L                            :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T   T I M E   I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------
   1 D   0.000     -7.0387E-03   0.000       0.000       0.000       0.000          ACTIVE   0.000       0.000       0.000
1.000       1.000       0.000       0.000       0.000     Ug5_2_8_L_0
   2 D  0.4520     -6.6412E-03   2.815      0.9268       2.815       5.490           UL-RL  3.6514E+04 -0.2000       1.333
1.000       1.000       2.260       0.000       0.000     Ug5_2_8_L_0
   3 D  0.9301     -6.2438E-03   6.112       1.984       6.112       8.815           UL-RL  3.6514E+04 -0.4000       2.667
1.000       1.000       4.651       0.000       0.000     Ug5_2_8_L_0
   4 D   1.421     -5.8464E-03   9.608       3.105       9.608       11.65           UL-RL  3.6514E+04 -0.6000       4.000
1.000       1.000       7.105       0.000       0.000     Ug5_2_8_L_0
   5 D   1.937     -5.4490E-03   13.50       4.350       13.50       14.00           UL-RL  3.6514E+04 -0.8000       5.333
1.000       1.000       9.684       0.000       0.000     Ug5_2_8_L_0
   6 D   2.452     -5.0518E-03   17.38       5.594       17.38       16.11           UL-RL  3.6514E+04  -1.000       6.667
1.000       1.000       12.26       0.000       0.000     Ug5_2_8_L_0
   7 D   2.932     -4.6548E-03   20.71       6.662       20.71       18.11           UL-RL  3.6514E+04  -1.200       8.000
1.000       1.000       14.66       0.000       0.000     Ug5_2_8_L_0
   8 D   3.405     -4.2584E-03   23.92       7.691       23.92       20.02           UL-RL  3.6514E+04  -1.400       9.333
1.000       1.000       17.02       0.000       0.000     Ug5_2_8_L_0
   9 D   3.885     -3.8627E-03   27.24       8.756       27.24       21.87           UL-RL  3.6514E+04  -1.600       10.67
1.000       1.000       19.42       0.000       0.000     Ug5_2_8_L_0
  10 D   4.349     -3.4683E-03   30.32       9.743       30.32       23.65           UL-RL  3.6514E+04  -1.800       12.00
1.000       1.000       21.74       0.000       0.000     Ug5_2_8_L_0
  11 D   4.821     -3.0755E-03   33.53       10.77       33.53       25.38           UL-RL  3.6514E+04  -2.000       13.33
1.000       1.000       24.10       0.000       0.000     Ug5_2_8_L_0
  12 D   5.963     -2.6851E-03   36.57       15.15       36.57       27.06           UL-RL  3.6514E+04  -2.200       14.67
1.000       1.000       29.82       0.000       0.000     Ug5_2_8_L_0
  13 D   7.690     -2.2979E-03   39.73       22.45       39.73       28.68           UL-RL  3.6514E+04  -2.400       16.00
1.000       1.000       38.45       0.000       0.000     Ug5_2_8_L_0
  14 D   9.374     -1.9147E-03   42.76       29.53       42.76       30.34           UL-RL  3.6514E+04  -2.600       17.33
1.000       1.000       46.87       0.000       0.000     Ug5_2_8_L_0
  15 D   10.36     -1.5368E-03   45.91       33.14       45.91       33.71           UL-RL  3.6514E+04  -2.800       18.67
1.000       1.000       51.81       0.000       0.000     Ug5_2_8_L_0
  16 D   11.34     -1.1656E-03   48.95       36.70       48.95       37.03           UL-RL  3.6514E+04  -3.000       20.00
1.000       1.000       56.70       0.000       0.000     Ug5_2_8_L_0
  17 D   12.31     -8.0296E-04   52.10       40.23       52.10       40.34           UL-RL  3.6514E+04  -3.200       21.33
1.000       1.000       61.56       0.000       0.000     Ug5_2_8_L_0
  18 D   13.25     -4.5087E-04   55.15       43.59       55.15       43.65           UL-RL  3.6514E+04  -3.400       22.67
1.000       1.000       66.26       0.000       0.000     Ug5_2_8_L_0
  19 D   14.18     -1.1181E-04   58.22       46.89       58.22       46.94           UL-RL  3.6514E+04  -3.600       24.00
1.000       1.000       70.89       0.000       0.000     Ug5_2_8_L_0
  20 D   15.10      2.1138E-04   61.37       50.15       61.37       50.19           UL-RL  3.6514E+04  -3.800       25.33
1.000       1.000       75.48       0.000       0.000     Ug5_2_8_L_0
  21 D   16.00      5.1543E-04   64.44       53.34       64.44       53.38           UL-RL  3.6514E+04  -4.000       26.67
1.000       1.000       80.01       0.000       0.000     Ug5_2_8_L_0
  22 D   16.89      7.9667E-04   67.58       56.47       67.58       56.50           UL-RL  3.6514E+04  -4.200       28.00
1.000       1.000       84.47       0.000       0.000     Ug5_2_8_L_0
  23 D   17.76      1.0509E-03   70.66       59.45       70.66       59.47           UL-RL  3.6514E+04  -4.400       29.33
1.000       1.000       88.78       0.000       0.000     Ug5_2_8_L_0
  24 D   18.58      1.2735E-03   73.80       62.21       73.80       62.23           UL-RL  3.6514E+04  -4.600       30.67
1.000       1.000       92.88       0.000       0.000     Ug5_2_8_L_0
  25 D   19.33      1.4593E-03   76.88       64.67       76.88       64.68           UL-RL  3.6514E+04  -4.800       32.00
1.000       1.000       96.67       0.000       0.000     Ug5_2_8_L_0
  26 D   20.02      1.6041E-03   79.95       66.75       79.95       66.76           UL-RL  3.6514E+04  -5.000       33.33
1.000       1.000       100.1       0.000       0.000     Ug5_2_8_L_0
  27 D   20.63      1.7095E-03   82.79       68.46       82.79       68.46           UL-RL  3.6514E+04  -5.200       34.67
1.000       1.000       103.1       0.000       0.000     Ug5_2_8_L_0
  28 D   21.16      1.7780E-03   85.65       69.81       85.65       69.82           UL-RL  3.6514E+04  -5.400       36.00
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1.000	1.000	105.8	0.000	0.000	Ug5_2_8_L_0						
29 D	21.63	1.8117E-03	88.51	70.83	88.51	70.83	V-C	1.2171E+04	-5.600	37.33	
1.000	1.000	108.2	0.000	0.000	Ug5_2_8_L_0						
30 D	22.03	1.8117E-03	91.37	71.50	91.37	71.50	V-C	1.2171E+04	-5.800	38.67	
1.000	1.000	110.2	0.000	0.000	Ug5_2_8_L_0						
31 D	22.36	1.7789E-03	94.24	71.82	94.24	71.82	V-C	1.2171E+04	-6.000	40.00	
1.000	1.000	111.8	0.000	0.000	Ug5_2_8_L_0						
32 D	22.63	1.7143E-03	97.11	71.81	97.11	71.81	V-C	1.2171E+04	-6.200	41.33	
1.000	1.000	113.1	0.000	0.000	Ug5_2_8_L_0						
33 D	22.83	1.6234E-03	99.98	71.50	99.98	71.50	V-C	1.2171E+04	-6.400	42.67	
1.000	1.000	114.2	0.000	0.000	Ug5_2_8_L_0						
34 D	23.00	1.5119E-03	103.1	71.01	103.1	71.01	V-C	1.2171E+04	-6.600	44.00	
1.000	1.000	115.0	0.000	0.000	Ug5_2_8_L_0						
35 D	23.20	1.3850E-03	106.1	70.65	106.1	70.65	V-C	1.2171E+04	-6.800	45.33	
1.000	1.000	116.0	0.000	0.000	Ug5_2_8_L_0						
36 D	23.39	1.2473E-03	109.7	70.28	109.7	70.28	V-C	1.2171E+04	-7.000	46.67	
1.000	1.000	116.9	0.000	0.000	Ug5_2_8_L_0						
37 D	23.55	1.1026E-03	112.7	69.74	112.7	69.74	V-C	1.2171E+04	-7.200	48.00	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
38 D	23.68	9.5441E-04	116.2	69.09	116.2	69.09	V-C	1.2171E+04	-7.400	49.33	
1.000	1.000	118.4	0.000	0.000	Ug5_2_8_L_0						
39 D	23.81	8.0544E-04	119.1	68.37	119.1	68.37	V-C	1.2171E+04	-7.600	50.67	
1.000	1.000	119.0	0.000	0.000	Ug5_2_8_L_0						
40 D	23.93	6.5798E-04	122.6	67.63	122.6	67.63	V-C	1.2171E+04	-7.800	52.00	
1.000	1.000	119.6	0.000	0.000	Ug5_2_8_L_0						
41 D	24.05	5.1381E-04	126.0	66.89	126.0	66.89	V-C	1.2171E+04	-8.000	53.33	
1.000	1.000	120.2	0.000	0.000	Ug5_2_8_L_0						
42 D	24.17	3.7436E-04	128.9	66.19	128.9	66.19	V-C	1.2171E+04	-8.200	54.67	
1.000	1.000	120.9	0.000	0.000	Ug5_2_8_L_0						
43 D	24.31	2.4062E-04	132.3	65.53	132.3	65.54	UL-RL	3.6514E+04	-8.400	56.00	
1.000	1.000	121.5	0.000	0.000	Ug5_2_8_L_0						
44 D	24.46	1.1331E-04	135.2	64.94	135.2	64.95	UL-RL	3.6514E+04	-8.600	57.33	
1.000	1.000	122.3	0.000	0.000	Ug5_2_8_L_0						
45 D	24.62	-7.2089E-06	138.5	64.43	138.5	64.44	UL-RL	3.6514E+04	-8.800	58.67	
1.000	1.000	123.1	0.000	0.000	Ug5_2_8_L_0						
46 D	24.43	-1.2080E-04	141.4	62.15	141.4	64.93	UL-RL	3.6514E+04	-9.000	60.00	
1.000	1.000	122.2	0.000	0.000	Ug5_2_8_L_0						
47 D	24.13	-2.2758E-04	144.7	59.33	144.7	65.83	UL-RL	3.6514E+04	-9.200	61.33	
1.000	1.000	120.7	0.000	0.000	Ug5_2_8_L_0						
48 D	23.89	-3.2785E-04	147.6	56.76	147.6	66.71	UL-RL	3.6514E+04	-9.400	62.67	
1.000	1.000	119.4	0.000	0.000	Ug5_2_8_L_0						
49 D	23.69	-4.2206E-04	150.8	54.43	150.8	67.60	UL-RL	3.6514E+04	-9.600	64.00	
1.000	1.000	118.4	0.000	0.000	Ug5_2_8_L_0						
50 D	23.53	-5.1077E-04	153.7	52.31	153.7	68.49	UL-RL	3.6514E+04	-9.800	65.33	
1.000	1.000	117.6	0.000	0.000	Ug5_2_8_L_0						
51 D	23.41	-5.9461E-04	156.9	50.39	156.9	69.37	UL-RL	3.6514E+04	-10.00	66.67	
1.000	1.000	117.1	0.000	0.000	Ug5_2_8_L_0						
52 D	23.79	-6.7424E-04	159.8	50.97	159.8	70.25	UL-RL	3.6514E+04	-10.20	68.00	
1.000	1.000	119.0	0.000	0.000	Ug5_2_8_L_0						
53 D	24.26	-7.5031E-04	163.0	51.99	163.0	71.13	UL-RL	3.6514E+04	-10.40	69.33	
1.000	1.000	121.3	0.000	0.000	Ug5_2_8_L_0						
54 D	24.74	-8.2346E-04	166.2	53.01	166.2	72.02	UL-RL	3.6514E+04	-10.60	70.67	
1.000	1.000	123.7	0.000	0.000	Ug5_2_8_L_0						
55 D	25.18	-8.9430E-04	169.0	53.91	169.0	72.90	UL-RL	3.6514E+04	-10.80	72.00	
1.000	1.000	125.9	0.000	0.000	Ug5_2_8_L_0						
56 D	25.65	-9.6336E-04	172.2	54.92	172.2	73.78	UL-RL	3.6514E+04	-11.00	73.33	
1.000	1.000	128.3	0.000	0.000	Ug5_2_8_L_0						
57 D	26.10	-1.0312E-03	175.0	55.81	175.0	74.66	ACTIVE	0.000	-11.20	74.67	
1.000	1.000	130.5	0.000	0.000	Ug5_2_8_L_0						
58 D	26.56	-1.0981E-03	178.1	56.82	178.1	75.54	ACTIVE	0.000	-11.40	76.00	
1.000	1.000	132.8	0.000	0.000	Ug5_2_8_L_0						
59 D	27.01	-1.1645E-03	180.9	57.71	180.9	76.42	ACTIVE	0.000	-11.60	77.33	
1.000	1.000	135.0	0.000	0.000	Ug5_2_8_L_0						
60 D	27.48	-1.2307E-03	184.0	58.71	184.0	77.30	ACTIVE	0.000	-11.80	78.67	
1.000	1.000	137.4	0.000	0.000	Ug5_2_8_L_0						
61 D	13.96	-1.2969E-03	186.8	59.60	186.8	78.18	ACTIVE	0.000	-12.00	80.00	
1.000	1.000	139.6	0.000	0.000	Ug5_2_8_L_0						

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 |                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
 |                                                                                                                       |
 |                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                       |
 |                                  Exe Time :24 May 2018       18:23:41                                                 |
 +-----------------------------------------------------------------------------------------------------------------------+
 New Project


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

 0_R                              :
 ELEMENT TYPE    5 NO.OF ELEMENTS. IN THIS GROUP   61
 C U R R E N T    T I M E    I S      7.0000

  HARDENING 2D SOIL ELEMENT

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

  EL *   FORCE     DISPL-Y  VERTICAL-P  HORIZON.-P     MAX-V-P     MAX-H-P           STATE   STIFFNESS Z-LEVEL      PORE       E
FACTOR    UFACTOR       Peq          Su_a        Su_p     LAYER
 ------------------------------------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------
   1     0.000         --          --          --          --          --          REMOVED     --        0.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   2     0.000         --          --          --          --          --          REMOVED     --      -0.2000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   3     0.000         --          --          --          --          --          REMOVED     --      -0.4000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   4     0.000         --          --          --          --          --          REMOVED     --      -0.6000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   5     0.000         --          --          --          --          --          REMOVED     --      -0.8000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   6     0.000         --          --          --          --          --          REMOVED     --       -1.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
   7     0.000         --          --          --          --          --          REMOVED     --       -1.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
   8     0.000         --          --          --          --          --          REMOVED     --       -1.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
   9     0.000         --          --          --          --          --          REMOVED     --       -1.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  10     0.000         --          --          --          --          --          REMOVED     --       -1.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  11     0.000         --          --          --          --          --          REMOVED     --       -2.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  12     0.000         --          --          --          --          --          REMOVED     --       -2.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  13     0.000         --          --          --          --          --          REMOVED     --       -2.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  14     0.000         --          --          --          --          --          REMOVED     --       -2.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  15     0.000         --          --          --          --          --          REMOVED     --       -2.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  16     0.000         --          --          --          --          --          REMOVED     --       -3.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  17     0.000         --          --          --          --          --          REMOVED     --       -3.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  18     0.000         --          --          --          --          --          REMOVED     --       -3.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  19     0.000         --          --          --          --          --          REMOVED     --       -3.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  20     0.000         --          --          --          --          --          REMOVED     --       -3.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  21     0.000         --          --          --          --          --          REMOVED     --       -4.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  22     0.000         --          --          --          --          --          REMOVED     --       -4.200       0.000
1.000       1.000       0.000       0.000       0.000     not available
  23     0.000         --          --          --          --          --          REMOVED     --       -4.400       0.000
1.000       1.000       0.000       0.000       0.000     not available
  24     0.000         --          --          --          --          --          REMOVED     --       -4.600       0.000
1.000       1.000       0.000       0.000       0.000     not available
  25     0.000         --          --          --          --          --          REMOVED     --       -4.800       0.000
1.000       1.000       0.000       0.000       0.000     not available
  26     0.000         --          --          --          --          --          REMOVED     --       -5.000       0.000
1.000       1.000       0.000       0.000       0.000     not available
  27     0.000         --          --          --          --          --          REMOVED     --       -5.200       0.000
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1.000	1.000	0.000	0.000	0.000	not available						
28	0.000	--	--	--	--	--	REMOVED	--	-5.400	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
29	0.000	--	--	--	--	--	REMOVED	--	-5.600	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
30	0.000	--	--	--	--	--	REMOVED	--	-5.800	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
31	0.000	--	--	--	--	--	REMOVED	--	-6.000	0.000	
1.000	1.000	0.000	0.000	0.000	not available						
32 D	0.6184	-1.7143E-03	1.333	0.4253	62.00	52.11	ACTIVE	0.000	-6.200	2.667	
1.000	1.000	3.092	0.000	0.000	Ug5_2_8_L_0						
33 D	1.237	-1.6234E-03	2.667	0.8507	64.00	52.40	ACTIVE	0.000	-6.400	5.333	
1.000	1.000	6.184	0.000	0.000	Ug5_2_8_L_0						
34 D	1.855	-1.5119E-03	4.000	1.276	66.00	52.80	ACTIVE	0.000	-6.600	8.000	
1.000	1.000	9.276	0.000	0.000	Ug5_2_8_L_0						
35 D	2.474	-1.3850E-03	5.333	1.701	68.00	53.54	ACTIVE	0.000	-6.800	10.67	
1.000	1.000	12.37	0.000	0.000	Ug5_2_8_L_0						
36 D	3.092	-1.2473E-03	6.667	2.127	70.00	54.41	ACTIVE	0.000	-7.000	13.33	
1.000	1.000	15.46	0.000	0.000	Ug5_2_8_L_0						
37 D	3.710	-1.1026E-03	8.000	2.552	72.00	55.28	ACTIVE	0.000	-7.200	16.00	
1.000	1.000	18.55	0.000	0.000	Ug5_2_8_L_0						
38 D	5.849	-9.5441E-04	9.333	10.58	74.00	56.13	UL-RL	2.3300E+04	-7.400	18.67	
1.000	1.000	29.25	0.000	0.000	Ug5_2_8_L_0						
39 D	8.308	-8.0544E-04	10.67	20.21	76.00	56.98	UL-RL	2.3300E+04	-7.600	21.33	
1.000	1.000	41.54	0.000	0.000	Ug5_2_8_L_0						
40 D	9.956	-6.5798E-04	12.00	25.78	78.00	57.84	UL-RL	2.3300E+04	-7.800	24.00	
1.000	1.000	49.78	0.000	0.000	Ug5_2_8_L_0						
41 D	11.34	-5.1381E-04	13.33	30.06	80.00	58.70	UL-RL	2.3300E+04	-8.000	26.67	
1.000	1.000	56.72	0.000	0.000	Ug5_2_8_L_0						
42 D	12.71	-3.7436E-04	14.67	34.21	82.00	59.56	UL-RL	2.3300E+04	-8.200	29.33	
1.000	1.000	63.54	0.000	0.000	Ug5_2_8_L_0						
43 D	14.04	-2.4062E-04	16.00	38.22	84.00	60.42	UL-RL	2.3300E+04	-8.400	32.00	
1.000	1.000	70.22	0.000	0.000	Ug5_2_8_L_0						
44 D	15.35	-1.1331E-04	17.33	42.08	86.00	61.28	UL-RL	2.3300E+04	-8.600	34.67	
1.000	1.000	76.75	0.000	0.000	Ug5_2_8_L_0						
45 D	16.62	7.2089E-06	18.67	45.78	88.00	62.13	UL-RL	2.3300E+04	-8.800	37.33	
1.000	1.000	83.11	0.000	0.000	Ug5_2_8_L_0						
46 D	17.86	1.2080E-04	20.00	49.29	90.00	62.98	UL-RL	2.3300E+04	-9.000	40.00	
1.000	1.000	89.29	0.000	0.000	Ug5_2_8_L_0						
47 D	19.06	2.2758E-04	21.33	52.63	92.00	63.83	UL-RL	2.3300E+04	-9.200	42.67	
1.000	1.000	95.30	0.000	0.000	Ug5_2_8_L_0						
48 D	20.23	3.2785E-04	22.67	55.79	94.00	64.67	UL-RL	2.3300E+04	-9.400	45.33	
1.000	1.000	101.1	0.000	0.000	Ug5_2_8_L_0						
49 D	21.36	4.2206E-04	24.00	58.80	96.00	65.51	UL-RL	2.3300E+04	-9.600	48.00	
1.000	1.000	106.8	0.000	0.000	Ug5_2_8_L_0						
50 D	22.46	5.1077E-04	25.33	61.65	98.00	66.36	UL-RL	2.3300E+04	-9.800	50.67	
1.000	1.000	112.3	0.000	0.000	Ug5_2_8_L_0						
51 D	23.54	5.9461E-04	26.67	64.37	100.00	67.20	UL-RL	2.3300E+04	-10.00	53.33	
1.000	1.000	117.7	0.000	0.000	Ug5_2_8_L_0						
52 D	24.59	6.7424E-04	28.00	66.97	102.0	68.03	UL-RL	2.3300E+04	-10.20	56.00	
1.000	1.000	123.0	0.000	0.000	Ug5_2_8_L_0						
53 D	25.55	7.5031E-04	29.33	69.07	104.0	69.07	UL-RL	2.3300E+04	-10.40	58.67	
1.000	1.000	127.7	0.000	0.000	Ug5_2_8_L_0						
54 D	26.35	8.2346E-04	30.67	70.44	106.0	70.44	UL-RL	2.3300E+04	-10.60	61.33	
1.000	1.000	131.8	0.000	0.000	Ug5_2_8_L_0						
55 D	27.16	8.9430E-04	32.00	71.78	108.0	71.78	UL-RL	2.3300E+04	-10.80	64.00	
1.000	1.000	135.8	0.000	0.000	Ug5_2_8_L_0						
56 D	27.95	9.6336E-04	33.33	73.10	110.0	73.10	UL-RL	2.3300E+04	-11.00	66.67	
1.000	1.000	139.8	0.000	0.000	Ug5_2_8_L_0						
57 D	28.75	1.0312E-03	34.67	74.42	112.0	74.42	V-C	7767.	-11.20	69.33	
1.000	1.000	143.7	0.000	0.000	Ug5_2_8_L_0						
58 D	29.54	1.0981E-03	36.00	75.72	114.0	75.72	V-C	7767.	-11.40	72.00	
1.000	1.000	147.7	0.000	0.000	Ug5_2_8_L_0						
59 D	30.34	1.1645E-03	37.33	77.02	116.0	77.02	V-C	7767.	-11.60	74.67	
1.000	1.000	151.7	0.000	0.000	Ug5_2_8_L_0						
60 D	31.13	1.2307E-03	38.67	78.31	118.0	78.31	V-C	7767.	-11.80	77.33	
1.000	1.000	155.6	0.000	0.000	Ug5_2_8_L_0						
61 D	15.96	1.2969E-03	40.00	79.60	120.0	79.60	V-C	7767.	-12.00	80.00	
1.000	1.000	159.6	0.000	0.000	Ug5_2_8_L_0						

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|                   PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                     NewProject.BaseDesignSection_28.A2M2R1_1787                                         |
|                                  Exe Time :24 May 2018       18:23:41                                                   |
+-------------------------------------------------------------------------------------------------------------------------+
New Project


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

WallElement_33                  :
ELEMENT TYPE    2 NO.OF ELEMENTS. IN THIS GROUP   60
C U R R E N T   T I M E   I S      7.0000

 WALL2D ELEMENT

   EL      TA          TB          MA          MB
-----------------------------------------------------
    1 1.17502E-10-1.17502E-10 1.22333E-11-5.09646E-11
    2 0.45203    -0.45203     6.84290E-11 9.04057E-02
    3  1.3822     -1.3822    -9.04057E-02 0.36684
    4  2.8031     -2.8031    -0.36684     0.92745
    5  4.7398     -4.7398    -0.92745      1.8754
    6  7.1920     -7.1920     -1.8754      3.3138
    7  10.124     -10.124     -3.3138      5.3387
    8  13.529     -13.529     -5.3387      8.0445
    9  17.414     -17.414     -8.0445      11.527
   10  21.763     -21.763     -11.527      15.880
   11  26.583     -26.583     -15.880      21.196
   12  32.547     -32.547     -21.196      27.706
   13  40.237     -40.237     -27.706      35.753
   14  49.611     -49.611     -35.753      45.675
   15  59.972     -59.972     -45.675      57.670
   16  71.312     -71.312     -57.670      71.932
   17  83.624     -83.624     -71.932      88.657
   18  96.884     -96.884     -88.657      108.03
   19  111.07     -111.07     -108.03      130.25
   20  126.17     -126.17     -130.25      155.48
   21  142.18     -142.18     -155.48      183.92
   22  159.08     -159.08     -183.92      215.73
   23  176.83     -176.83     -215.73      251.10
   24  195.41     -195.41     -251.10      290.18
   25 -107.25      107.25     -290.18      268.73
   26 -87.234      87.234     -268.73      251.28
   27 -66.608      66.608     -251.28      237.96
   28 -45.445      45.445     -237.96      228.87
   29 -23.813      23.813     -228.87      224.11
   30 -1.7803      1.7803     -224.11      223.76
   31 -220.42      220.42     -223.76      179.67
   32 -198.41      198.41     -179.67      139.99
   33 -176.81      176.81     -139.99      104.63
   34 -155.66      155.66     -104.63      73.497
   35 -134.94      134.94     -73.497      46.509
   36 -114.64      114.64     -46.509      23.581
   37 -94.803      94.803     -23.581      4.6201
   38 -76.967      76.967     -4.6201     -10.773
   39 -61.467      61.467      10.773     -23.067
   40 -47.497      47.497      23.067     -32.566
   41 -34.796      34.796      32.566     -39.526
   42 -23.332      23.332      39.526     -44.192
   43 -13.070      13.070      44.192     -46.806
   44 -3.9646      3.9646      46.806     -47.599
   45  4.0329     -4.0329      47.599     -46.792
   46  10.605     -10.605      46.792     -44.671
   47  15.679     -15.679      44.671     -41.536
   48  19.339     -19.339      41.536     -37.668
   49  21.664     -21.664      37.668     -33.335
   50  22.730     -22.730      33.335     -28.789
   51  22.601     -22.601      28.789     -24.269
   52  21.799     -21.799      24.269     -19.909
   53  20.515     -20.515      19.909     -15.806
   54  18.896     -18.896      15.806     -12.027
   55  16.920     -16.920      12.027     -8.6430
   56  14.616     -14.616      8.6430     -5.7197
   57  11.962     -11.962      5.7197     -3.3273
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58	8.9819	-8.9819	3.3273	-1.5309
59	5.6540	-5.6540	1.5309	-0.40012
60	2.0005	-2.0005	0.40012	9.69064E-13

```
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|                  PARATIEPLUS(TM)   NLS ENGINE RELEASE  2017.1    FULL VERSION  *Build date:Jul 11, 2017*              |
|                                                                                                                         |
|                                    NewProject.BaseDesignSection_28.A2M2R1_1787                                          |
|                                Exe Time :24 May 2018       18:23:41                                                     |
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     F I N A L    I N C R E M E N T A L    A N A L Y S I S

                    S U M M A R Y

     STEP                                NO. OF ITERATIONS

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


 END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME ....    0.07 [sec]
DATABASE  CREATION CPU TIME.....    0.21 [sec]
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