

COMMITTENTE:



ALTA
SORVEGLIANZA:



GENERAL CONTRACTOR:



**INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA
LEGGE OBIETTIVO N. 443/01
LINEA AV/AC TORINO – VENEZIA Tratta VERONA – PADOVA
Lotto funzionale Verona – Bivio Vicenza
PROGETTO ESECUTIVO
PONTI E VIADOTTI
VIADOTTO MONTEBELLO VICENTINO DAL Km 33+463,75 AL Km 33+722,75
PILE
Allegato alla Relazione di calcolo pulvini, baggioli e ritegni**

GENERAL CONTRACTOR		DIRETTORE LAVORI		SCALA -
IL PROGETTISTA INTEGRATORE	Consorzio Iricav Due ing. Guido Fratini Data:			

Ing. Giovanni MALAVENDA
Iscritto all'ordine degli
Ingegneri di Venezia n. 4289
N. 4289
Data:

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC.	OPERA/DISCIPLINA	PROGR.	REV.	FOGLIO
I N 1 7	1 2	E	I 2	CL	V I 2 1 0 4	0 0 9	A	- - - P - - -

	VISTO CONSORZIO IRICAV DUE	
	Firma Luca RANDOLFI	Data

Progettazione:


Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	IL PROGETTISTA
A	EMISSIONE	E.d.in	Apr 2021	M.Proietti	Apr 2021	G.Grimaldi	Apr 2021	

CIG. 8377957CD1	CUP: J41E9100000009	File: IN1712EI2CLVI2104009A
		Cod. origine:



Progetto cofinanziato
dalla Unione Europea

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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;-----
; MIDAS/Civil Text (MCT) File.
; Date : 2021/5/6
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*VERSION
  8.9.5

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*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  KN      , M, BTU, C

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*PROJINFO   ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX, CLIENT, TITLE, ENGINEER, EDATE
  ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3, APPROVE, ADATE, COMMENT
  ; One Line per Data
  USER=HP Inc.
  ADDRESS=HP Inc.

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*STRUCTYPE  ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB,
  bROTRIGID
  1, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
  NTC18(RC), B450C, ASTM(RC), Grade 60

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*NODE       ; Nodes
; iNO, X, Y, Z
  1, 0, 0, 0
  2, 3.199999999999982, 0, 0
  3, 0, 0, 0.119999999999977
  4, 3.199999999999982, 0, 0.1199999999999436
  5, 0.5, 0, 1.38000000001148
  6, 2.699999999999982, 0, 1.38000000001136

```

```

*ELEMENT     ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,                               ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT           ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS              ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8             ; Solid Element
  1, BEAM , 1, 2, 1, 3, 0, 0
  2, BEAM , 1, 2, 2, 4, 0, 0
  3, TRUSS , 1, 1, 4, 3, 0, 0
  4, TRUSS , 1, 1, 5, 6, 0, 0
  5, TRUSS , 1, 1, 5, 3, 0, 0
  6, TRUSS , 1, 1, 6, 4, 0, 0
  7, COMPTR, 1, 1, 3, 6, 0, 1, 0, 0, NO
  8, COMPTR, 1, 1, 5, 4, 0, 1, 0, 0, NO

```

```

*GROUP      ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  0 , , 1to6, 0


```

```

*LOAD-GROUP ; Load Group
; NAME
  SLU
  SLE_rara
  SLD
  SLE_fess

```

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long


SLE_qp
SLV

```
*MATERIAL ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
; SRC
; [DATA1] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
; Orthotropic
; [DATA2] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN, MASS
1, CONC , C32/40 , 0, 0, , C, NO, 0.05, 2, 3.3345e+007, 0.2, 1.0000e-005, 0, 0
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```
*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
```

```
*SECTION ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 ;
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;
4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;
6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT
; SHAPE, ... (same with other type data from shape) ;
Before (STYPE1)
; SHAPE, ... (same with other type data from shape) ;
After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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1st line - COMPOSITE-B
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-I
;      Hw, tw, B1, tf1, B2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-TUB
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-CI/CT
;      OPT1, OPT2, [JOINT]
2nd line
;      [SIZE-A]
3rd line
;      [SIZE-B]
4th line
;      [SIZE-C]
5th line
;      [SIZE-D]
6th line
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb
7th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - PSC
;      OPT1, OPT2, [JOINT]
2nd line
;      bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE
3rd line
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]
4th line
;      bWE, [WARPING POINT]-i, [WARPING POINT]-j
5th line
;      [SIZE-A]
6th line
;      [SIZE-B]
7th line
;      [SIZE-C]
8th line
;      [SIZE-D]
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4

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PROJECT TITLE :

MIDAS	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino CAP-CAP_Long	

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; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,

```

*SECT-COLOR

```

; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

```

*SECT-SCALE ; Section Stiffness Scale Factor

```

; iSEC, AREA_SF, ASY_SF, ASZ_SF, IXX_SF, IYY_SF, IZZ_SF, WGT_SF, GROUP, iPart, bDiffIJ
; line 1
; J1, J2, J3, J4, J5, J6, J7
; line 2 (bDiffIJ=YES)
2, 1e+007, 1, 1, 0.0001, 0.0001, 0.0001, 1, , 1, NO

```


*DGN-SECT

```

; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE ;
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line ;
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line ;
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC ;
; D1, D2, [SRC] ;
2nd line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 ;
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED ;
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB) ;
; [DIM1], [DIM2] ;
2nd line(STYPE=USER) ;
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE) ;
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;

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PROJECT TITLE :


	Company	Client
	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Long

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3rd line(STYPE=VALUE)
;      CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1      ;
4th line(STYPE=VALUE)
;      Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                    ;
5th line(STYPE=VALUE)
;      D21, D22, D23, D24, D25, D26, D27, D28                                ;
6th line(STYPE=VALUE)
;      AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                    ;
7th line(STYPE=VALUE)
;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2    ;
8th line(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                    ;
9th line(STYPE=VALUE)
;      OPT1, OPT2, [JOINT]                                                    ;
2nd line(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL                                        ;
2nd line(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
;      bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                       ;
3rd line(STYPE=PSC-CMPW)
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]     ;
4th line(STYPE=PSC)
;      [SIZE-A]-i                                                              ;
5th line(STYPE=PSC)
;      [SIZE-B]-i                                                              ;
6th line(STYPE=PSC)
;      [SIZE-C]-i                                                              ;
7th line(STYPE=PSC)
;      [SIZE-D]-i                                                              ;
8th line(STYPE=PSC)
;      [SIZE-A]-j                                                              ;
9th line(STYPE=PSC)
;      [SIZE-B]-j                                                              ;
10th line(STYPE=PSC)
;      [SIZE-C]-j                                                              ;
11th line(STYPE=PSC)
;      [SIZE-D]-j                                                              ;
12th line(STYPE=PSC)
;      GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S      ;
2nd line(STYPE=CMP-B/I)
;      SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i                ;
3rd line(STYPE=CMP-B/I)
;      SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j                ;
4th line(STYPE=CMP-B/I)
;      N1, N2, Hr, Hr2, tr1, tr2                                              ;
5th line(STYPE=CMP-B)
;      GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      ;
2nd line(STYPE=CMP-CI/CT)
;      OPT1, OPT2, [JOINT]                                                    ;
3rd line(STYPE=CMP-CI/CT)
;      [SIZE-A]-i                                                              ;
4th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-i                                                              ;
5th line(STYPE=CMP-CI/CT)
;      [SIZE-C]-i                                                              ;
6th line(STYPE=CMP-CI/CT)
;      [SIZE-D]-i                                                              ;
7th line(STYPE=CMP-CI/CT)
;      [SIZE-A]-j                                                              ;
8th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-j                                                              ;

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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1)
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B
; Hw, tw, B1, Bf1, B2, Bf2, tf2 ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ;
2nd line
; [SIZE-A] ;
3rd line
; [SIZE-B] ;
4th line
; [SIZE-C] ;
5th line
; [SIZE-D] ;
6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC
; OPT1, OPT2, [JOINT] ;
2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;
4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;

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7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER , Aste , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER , Appoggi , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0

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*STLDCASE ; Static Load Cases

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; LCNAME, LCTYPE, DESC
A1_SLU_gr1_Treno_T1, USER,
A1_SLU_gr2_Scarico_T1, USER,
A1_SLU_gr3_Fre/avv_T1, USER,
A1_SLU_gr1+vento_T1, USER,
A1_SLU_gr2+vento_T1, USER,
A1_SLU_gr3+vento_T1, USER,
A1_SLU_vento_gr1_T1, USER,
A1_SLU_vento_gr2_T1, USER,
A1_SLU_vento_gr3_T1, USER,
A1_SLU_Scalz_gr1_T1, USER,
A1_SLU_Scalz_gr2_T1, USER,
A1_SLU_gr1_Treno_T2, USER,
A1_SLU_gr2_Scarico_T2, USER,
A1_SLU_gr3_Fre/avv_T2, USER,
A1_SLU_gr1+vento_T2, USER,
A1_SLU_gr2+vento_T2, USER,
A1_SLU_gr3+vento_T2, USER,
A1_SLU_vento_gr1_T2, USER,
A1_SLU_vento_gr2_T2, USER,
A1_SLU_vento_gr3_T2, USER,
A1_SLU_Scalz_gr1_T2, USER,
A1_SLU_Scalz_gr2_T2, USER,
A1_SLU_Scalz_gr3_T2, USER,
A1_SLU_gr1_Treno_T3, USER,
A1_SLU_gr2_Scarico_T3, USER,


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A1_SLU_gr3_Fre/avv_T3, USER,
 A1_SLU_gr1+vento_T3, USER,
 A1_SLU_gr2+vento_T3, USER,
 A1_SLU_gr3+vento_T3, USER,
 A1_SLU_vento_gr1_T3, USER,
 A1_SLU_vento_gr2_T3, USER,
 A1_SLU_vento_gr3_T3, USER,
 A1_SLU_Scalz_gr1_T3, USER,
 A1_SLU_Scalz_gr2_T3, USER,
 A1_SLU_Scalz_gr3_T3, USER,
 E_103x_SLV_T1, USER,
 E_103y_SLV_T1, USER,
 E_103z_SLV_T1, USER,
 E_103x_SLV_T2, USER,
 E_103y_SLV_T2, USER,
 E_103z_SLV_T2, USER,
 E_103x_SLV_T3, USER,
 E_103y_SLV_T3, USER,
 E_103z_SLV_T3, USER,
 SLE_rar_gr1_Treno_T1, USER,
 SLE_rar_gr2_Scarico_T1, USER,
 SLE_rar_gr3_Fre/avv_T1, USER,
 SLE_rar_gr1+vento_T1, USER,
 SLE_rar_gr2+vento_T1, USER,
 SLE_rar_gr3+vento_T1, USER,
 SLE_rar_vento_gr1_T1, USER,
 SLE_rar_vento_gr2_T1, USER,
 SLE_rar_vento_gr3_T1, USER,
 SLE_rar_gr1_Treno_T2, USER,
 SLE_rar_gr2_Scarico_T2, USER,
 SLE_rar_gr3_Fre/avv_T2, USER,
 SLE_rar_gr1+vento_T2, USER,
 SLE_rar_gr2+vento_T2, USER,
 SLE_rar_gr3+vento_T2, USER,
 SLE_rar_vento_gr1_T2, USER,
 SLE_rar_vento_gr2_T2, USER,
 SLE_rar_vento_gr3_T2, USER,
 SLE_rar_gr1_Treno_T3, USER,
 SLE_rar_gr2_Scarico_T3, USER,
 SLE_rar_gr3_Fre/avv_T3, USER,
 SLE_rar_gr1+vento_T3, USER,
 SLE_rar_gr2+vento_T3, USER,
 SLE_rar_gr3+vento_T3, USER,
 SLE_rar_vento_gr1_T3, USER,
 SLE_rar_vento_gr2_T3, USER,
 SLE_rar_vento_gr3_T3, USER,
 E_103x_SLD_T1, USER,
 E_103y_SLD_T1, USER,
 E_103z_SLD_T1, USER,
 E_103x_SLD_T2, USER,
 E_103y_SLD_T2, USER,
 E_103z_SLD_T2, USER,
 E_103x_SLD_T3, USER,
 E_103y_SLD_T3, USER,
 E_103z_SLD_T3, USER,
 SLE_rar_gr4_Centrif_T1, USER,
 SLE_rar_gr4+vento_T1, USER,
 SLE_rar_vento_gr4_T1, USER,
 SLE_rar_gr4_Centrif_T2, USER,
 SLE_rar_gr4+vento_T2, USER,
 SLE_rar_vento_gr4_T2, USER,
 SLE_rar_gr4_Centrif_T3, USER,

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SLE_rar_gr4+vento_T3, USER,
 SLE_rar_vento_gr4_T3, USER,
 SLE_qp_T1, USER,
 SLE_qp_T2, USER,
 SLE_qp_T3, USER,
 A1_SLU_Scalz_gr3_T1, USER,
 Orizozntali, USER,
 Verticali, USER,

*CONSTRAINT ; Supports
 ; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
 1 2, 111111,

*USE-STLD, A1_SLU_gr1_Treno_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -11847, 0, 0, 0, SLU
 6, 1722, 0, -13038, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T1] -----

*USE-STLD, A1_SLU_gr2_Scarico_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8397, 0, 0, 0, SLU
 6, 140, 0, -8461, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T1] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -11553, 0, 0, 0, SLU
 6, 3014, 0, -13332, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T1] -----

*USE-STLD, A1_SLU_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -11655, 0, 0, 0, SLU
 6, 1944, 0, -13967, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T1] -----

*USE-STLD, A1_SLU_gr2+vento_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8205, 0, 0, 0, SLU
 6, 362, 0, -9389, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T1] -----

*USE-STLD, A1_SLU_gr3+vento_T1

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -11362, 0, 0, 0, SLU
  6, 3236, 0, -14260, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T1] -----
*USE-STLD, A1_SLU_vento_gr1_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7779, 0, 0, 0, SLU
  6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T1] -----
*USE-STLD, A1_SLU_vento_gr2_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7779, 0, 0, 0, SLU
  6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T1] -----
*USE-STLD, A1_SLU_vento_gr3_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7779, 0, 0, 0, SLU
  6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T1] -----
*USE-STLD, A1_SLU_Scalz_gr1_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -10364, 0, 0, 0, SLU
  6, 958, 0, -11045, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T1] -----
*USE-STLD, A1_SLU_Scalz_gr2_T1


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8279, 0, 0, 0, SLU
  6, 79, 0, -8314, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T1] -----
*USE-STLD, A1_SLU_gr1_Treno_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8477, 0, 0, 0, SLU
  6, 1593, 0, -12837, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T2] -----
*USE-STLD, A1_SLU_gr2_Scarico_T2
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8397, 0, 0, 0, SLU
   6, 140, 0, -8461, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T2] -----
*USE-STLD, A1_SLU_gr3_Fre/avv_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8183, 0, 0, 0, SLU
   6, 2885, 0, -13131, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T2] -----
*USE-STLD, A1_SLU_gr1+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8285, 0, 0, 0, SLU
   6, 1815, 0, -13766, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T2] -----
*USE-STLD, A1_SLU_gr2+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8205, 0, 0, 0, SLU
   6, 362, 0, -9389, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T2] -----
*USE-STLD, A1_SLU_gr3+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7991, 0, 0, 0, SLU
   6, 3108, 0, -14059, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T2] -----
*USE-STLD, A1_SLU_vento_gr1_T2


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7779, 0, 0, 0, SLU
   6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T2] -----
*USE-STLD, A1_SLU_vento_gr2_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7779, 0, 0, 0, SLU
   6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T2] -----
*USE-STLD, A1_SLU_vento_gr3_T2
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7779, 0, 0, 0, SLU
  6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T2] -----

*USE-STLD, A1_SLU_Scalz_gr1_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8335, 0, 0, 0, SLU
  6, 912, 0, -10932, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T2] -----

*USE-STLD, A1_SLU_Scalz_gr2_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8279, 0, 0, 0, SLU
  6, 79, 0, -8314, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T2] -----

*USE-STLD, A1_SLU_Scalz_gr3_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8159, 0, 0, 0, SLU
  6, 1687, 0, -11108, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T2] -----

*USE-STLD, A1_SLU_gr1_Treno_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -9898, 0, 0, 0, SLU
  6, 1574, 0, -10884, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T3] -----

*USE-STLD, A1_SLU_gr2_Scarico_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8397, 0, 0, 0, SLU
  6, 140, 0, -8461, 0, 0, 0, SLU


; End of data for load case [A1_SLU_gr2_Scarico_T3] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -9604, 0, 0, 0, SLU
  6, 2866, 0, -11178, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T3] -----
    
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*USE-STLD, A1_SLU_gr1+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -9706, 0, 0, 0, SLU
    6, 1796, 0, -11813, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T3] -----

*USE-STLD, A1_SLU_gr2+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8205, 0, 0, 0, SLU
    6, 362, 0, -9389, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T3] -----

*USE-STLD, A1_SLU_gr3+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -9412, 0, 0, 0, SLU
    6, 3088, 0, -12106, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T3] -----

*USE-STLD, A1_SLU_vento_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7779, 0, 0, 0, SLU
    6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T3] -----

*USE-STLD, A1_SLU_vento_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7779, 0, 0, 0, SLU
    6, 370, 0, -9645, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T3] -----

*USE-STLD, A1_SLU_vento_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7779, 0, 0, 0, SLU
    6, 370, 0, -9645, 0, 0, 0, SLU


; End of data for load case [A1_SLU_vento_gr3_T3] -----

*USE-STLD, A1_SLU_Scalz_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -9187, 0, 0, 0, SLU
    6, 905, 0, -9761, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T3] -----
    
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*USE-STLD, A1_SLU_Scalz_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8279, 0, 0, 0, SLU
   6, 79, 0, -8314, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9011, 0, 0, 0, SLU
   6, 1680, 0, -9937, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T3] -----

*USE-STLD, E_103x_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5296, 0, 0, 0, SLV
   6, 7534, 0, -8777, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T1] -----

*USE-STLD, E_103y_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -6483, 0, 0, 0, SLV
   6, 2309, 0, -7589, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T1] -----

*USE-STLD, E_103z_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8174, 0, 0, 0, SLV
   6, 2309, 0, -9280, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T1] -----

*USE-STLD, E_103x_SLV_T2


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -4829, 0, 0, 0, SLV
   6, 7524, 0, -8751, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T2] -----

*USE-STLD, E_103y_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -6017, 0, 0, 0, SLV
   6, 2299, 0, -7563, 0, 0, 0, SLV
    
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; End of data for load case [E_103y_SLV_T2] -----
*USE-STLD, E_103z_SLV_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7707, 0, 0, 0, SLV
  6, 2299, 0, -9254, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T2] -----
*USE-STLD, E_103x_SLV_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5025, 0, 0, 0, SLV
  6, 7522, 0, -8482, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T3] -----
*USE-STLD, E_103y_SLV_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6212, 0, 0, 0, SLV
  6, 2298, 0, -7294, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T3] -----
*USE-STLD, E_103z_SLV_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7903, 0, 0, 0, SLV
  6, 2298, 0, -8985, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T3] -----
*USE-STLD, SLE_rar_gr1_Treno_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8320, 0, 0, 0, SLE_rara
  6, 1090, 0, -9097, 0, 0, 0, SLE_rara


; End of data for load case [SLE_rar_gr1_Treno_T1] -----
*USE-STLD, SLE_rar_gr2_Scarico_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5926, 0, 0, 0, SLE_rara
  6, 66, 0, -5955, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T1] -----
*USE-STLD, SLE_rar_gr3_Fre/avv_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8117, 0, 0, 0, SLE_rara
  6, 1981, 0, -9300, 0, 0, 0, SLE_rara
    
```

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; End of data for load case [SLE_rar_gr3_Fre/avv_T1] -----

*USE-STLD, SLE_rar_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8192, 0, 0, 0, SLE_rara
 6, 1238, 0, -9716, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T1] -----

*USE-STLD, SLE_rar_gr2+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5798, 0, 0, 0, SLE_rara
 6, 214, 0, -6574, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T1] -----

*USE-STLD, SLE_rar_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7990, 0, 0, 0, SLE_rara
 6, 2129, 0, -9919, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5500, 0, 0, 0, SLE_rara
 6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T1] -----

*USE-STLD, SLE_rar_vento_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5500, 0, 0, 0, SLE_rara
 6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T1] -----

*USE-STLD, SLE_rar_vento_gr3_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5500, 0, 0, 0, SLE_rara
 6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T1] -----

*USE-STLD, SLE_rar_gr1_Treno_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5989, 0, 0, 0, SLE_rara

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6, 1031, 0, -8965, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr1_Treno_T2] -----
*USE-STLD, SLE_rar_gr2_Scarico_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5926, 0, 0, 0, SLE_rara
6, 66, 0, -5955, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr2_Scarico_T2] -----
*USE-STLD, SLE_rar_gr3_Fre/avv_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5786, 0, 0, 0, SLE_rara
6, 1922, 0, -9168, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr3_Fre/avv_T2] -----
*USE-STLD, SLE_rar_gr1+vento_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5861, 0, 0, 0, SLE_rara
6, 1179, 0, -9584, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr1+vento_T2] -----
*USE-STLD, SLE_rar_gr2+vento_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5798, 0, 0, 0, SLE_rara
6, 214, 0, -6574, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr2+vento_T2] -----
*USE-STLD, SLE_rar_gr3+vento_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5659, 0, 0, 0, SLE_rara
6, 2070, 0, -9787, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr3+vento_T2] -----
*USE-STLD, SLE_rar_vento_gr1_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5500, 0, 0, 0, SLE_rara
6, 247, 0, -6744, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_vento_gr1_T2] -----
*USE-STLD, SLE_rar_vento_gr2_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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5, 0, 0, -5500, 0, 0, 0, SLE_rara
 6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T2] -----

*USE-STLD, SLE_rar_vento_gr3_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5500, 0, 0, 0, SLE_rara
 6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T2] -----

*USE-STLD, SLE_rar_gr1_Treno_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6968, 0, 0, 0, SLE_rara
 6, 1022, 0, -7620, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T3] -----

*USE-STLD, SLE_rar_gr2_Scarico_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5926, 0, 0, 0, SLE_rara
 6, 66, 0, -5955, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T3] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6765, 0, 0, 0, SLE_rara
 6, 1913, 0, -7822, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T3] -----

*USE-STLD, SLE_rar_gr1+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6840, 0, 0, 0, SLE_rara
 6, 1170, 0, -8238, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T3] -----

*USE-STLD, SLE_rar_gr2+vento_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5798, 0, 0, 0, SLE_rara
 6, 214, 0, -6574, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T3] -----

*USE-STLD, SLE_rar_gr3+vento_T3

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6638, 0, 0, 0, SLE_rara
  6, 2061, 0, -8441, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T3] -----
*USE-STLD, SLE_rar_vento_gr1_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5500, 0, 0, 0, SLE_rara
  6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T3] -----
*USE-STLD, SLE_rar_vento_gr2_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5500, 0, 0, 0, SLE_rara
  6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T3] -----
*USE-STLD, SLE_rar_vento_gr3_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5500, 0, 0, 0, SLE_rara
  6, 247, 0, -6744, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T3] -----
*USE-STLD, E_103x_SLD_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5319, 0, 0, 0, SLD
  6, 5077, 0, -7683, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T1] -----
*USE-STLD, E_103y_SLD_T1


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6116, 0, 0, 0, SLD
  6, 1572, 0, -6887, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T1] -----
*USE-STLD, E_103z_SLD_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6558, 0, 0, 0, SLD
  6, 1572, 0, -7328, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T1] -----
*USE-STLD, E_103x_SLD_T2
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -4853, 0, 0, 0, SLD
    6, 5067, 0, -7657, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T2] -----

*USE-STLD, E_103y_SLD_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5649, 0, 0, 0, SLD
    6, 1562, 0, -6861, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T2] -----

*USE-STLD, E_103z_SLD_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6091, 0, 0, 0, SLD
    6, 1562, 0, -7303, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T2] -----

*USE-STLD, E_103x_SLD_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5048, 0, 0, 0, SLD
    6, 5065, 0, -7388, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T3] -----

*USE-STLD, E_103y_SLD_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5845, 0, 0, 0, SLD
    6, 1560, 0, -6591, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T3] -----

*USE-STLD, E_103z_SLD_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6287, 0, 0, 0, SLD
    6, 1560, 0, -7033, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T3] -----


*USE-STLD, SLE_rar_gr4_Centrif_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7150, 0, 0, 0, SLE_fess
    6, 1211, 0, -7870, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T1] -----

*USE-STLD, SLE_rar_gr4+vento_T1
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7023, 0, 0, 0, SLE_fess
  6, 1359, 0, -8489, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr4_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5500, 0, 0, 0, SLE_fess
  6, 247, 0, -6744, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T1] -----

*USE-STLD, SLE_rar_gr4_Centrif_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5752, 0, 0, 0, SLE_fess
  6, 1175, 0, -7791, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T2] -----

*USE-STLD, SLE_rar_gr4+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5624, 0, 0, 0, SLE_fess
  6, 1323, 0, -8410, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr4_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5500, 0, 0, 0, SLE_fess
  6, 247, 0, -6744, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T2] -----

*USE-STLD, SLE_rar_gr4_Centrif_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6339, 0, 0, 0, SLE_fess
  6, 1170, 0, -6983, 0, 0, 0, SLE_fess


; End of data for load case [SLE_rar_gr4_Centrif_T3] -----

*USE-STLD, SLE_rar_gr4+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6212, 0, 0, 0, SLE_fess
  6, 1318, 0, -7602, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T3] -----
    
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*USE-STLD, SLE_rar_vento_gr4_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5500, 0, 0, 0, SLE_fess
    6, 247, 0, -6744, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T3] -----

*USE-STLD, SLE_qp_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5702, 0, 0, 0, SLE_qp
    6, 46, 0, -5723, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T1] -----

*USE-STLD, SLE_qp_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5702, 0, 0, 0, SLE_qp
    6, 46, 0, -5723, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T2] -----

*USE-STLD, SLE_qp_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5702, 0, 0, 0, SLE_qp
    6, 46, 0, -5723, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -10188, 0, 0, 0, SLU
    6, 1733, 0, -11221, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T1] -----

*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE, nSEISTYPE ; line
1
; ANAL1, LCNAME1, FACT1, ... ; from
line 2
    NAME=SLU_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, A1_SLU_gr1_Treno_T1, 1, ST, A1_SLU_gr2_Scarico_T1, 1
    ST, A1_SLU_gr3_Fre/avv_T1, 1, ST, A1_SLU_gr1+vento_T1, 1
    ST, A1_SLU_gr2+vento_T1, 1, ST, A1_SLU_gr3+vento_T1, 1
    ST, A1_SLU_vento_gr1_T1, 1, ST, A1_SLU_vento_gr2_T1, 1
    ST, A1_SLU_vento_gr3_T1, 1, ST, A1_SLU_Scalz_gr1_T1, 1
    ST, A1_SLU_Scalz_gr2_T1, 1, ST, A1_SLU_gr1_Treno_T2, 1
    ST, A1_SLU_gr2_Scarico_T2, 1, ST, A1_SLU_gr3_Fre/avv_T2, 1
    ST, A1_SLU_gr1+vento_T2, 1, ST, A1_SLU_gr2+vento_T2, 1
    ST, A1_SLU_gr3+vento_T2, 1, ST, A1_SLU_vento_gr1_T2, 1
    ST, A1_SLU_vento_gr2_T2, 1, ST, A1_SLU_vento_gr3_T2, 1
    
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ST, A1_SLU_Scalz_gr1_T2, 1, ST, A1_SLU_Scalz_gr2_T2, 1
ST, A1_SLU_Scalz_gr3_T2, 1, ST, A1_SLU_gr1_Treno_T3, 1
ST, A1_SLU_gr2_Scarico_T3, 1, ST, A1_SLU_gr3_Fre/avv_T3, 1
ST, A1_SLU_gr1+vento_T3, 1, ST, A1_SLU_gr2+vento_T3, 1
ST, A1_SLU_gr3+vento_T3, 1, ST, A1_SLU_vento_gr1_T3, 1
ST, A1_SLU_vento_gr2_T3, 1, ST, A1_SLU_vento_gr3_T3, 1
ST, A1_SLU_Scalz_gr1_T3, 1, ST, A1_SLU_Scalz_gr2_T3, 1
ST, A1_SLU_Scalz_gr3_T3, 1, ST, A1_SLU_Scalz_gr3_T1, 1
NAME=SLV Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLV_T1, 1, ST, E_103y_SLV_T1, 1, ST, E_103z_SLV_T1, 1
ST, E_103x_SLV_T2, 1, ST, E_103y_SLV_T2, 1, ST, E_103z_SLV_T2, 1
ST, E_103x_SLV_T3, 1, ST, E_103y_SLV_T3, 1, ST, E_103z_SLV_T3, 1
NAME=SLE rara Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr1_Treno_T1, 1, ST, SLE_rar_gr2_Scarico_T1, 1
ST, SLE_rar_gr3_Fre/avv_T1, 1, ST, SLE_rar_gr1+vento_T1, 1
ST, SLE_rar_gr2+vento_T1, 1, ST, SLE_rar_gr3+vento_T1, 1
ST, SLE_rar_vento_gr1_T1, 1, ST, SLE_rar_vento_gr2_T1, 1
ST, SLE_rar_vento_gr3_T1, 1, ST, SLE_rar_gr1_Treno_T2, 1
ST, SLE_rar_gr2_Scarico_T2, 1, ST, SLE_rar_gr3_Fre/avv_T2, 1
ST, SLE_rar_gr1+vento_T2, 1, ST, SLE_rar_gr2+vento_T2, 1
ST, SLE_rar_gr3+vento_T2, 1, ST, SLE_rar_vento_gr1_T2, 1
ST, SLE_rar_vento_gr2_T2, 1, ST, SLE_rar_vento_gr3_T2, 1
ST, SLE_rar_gr1_Treno_T3, 1, ST, SLE_rar_gr2_Scarico_T3, 1
ST, SLE_rar_gr3_Fre/avv_T3, 1, ST, SLE_rar_gr1+vento_T3, 1
ST, SLE_rar_gr2+vento_T3, 1, ST, SLE_rar_gr3+vento_T3, 1
ST, SLE_rar_vento_gr1_T3, 1, ST, SLE_rar_vento_gr2_T3, 1
ST, SLE_rar_vento_gr3_T3, 1
NAME=SLD Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLD_T1, 1, ST, E_103y_SLD_T1, 1, ST, E_103z_SLD_T1, 1
ST, E_103x_SLD_T2, 1, ST, E_103y_SLD_T2, 1, ST, E_103z_SLD_T2, 1
ST, E_103x_SLD_T3, 1, ST, E_103y_SLD_T3, 1, ST, E_103z_SLD_T3, 1
NAME=SLE fess Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr4_Centrif_T1, 1, ST, SLE_rar_gr4+vento_T1, 1
ST, SLE_rar_vento_gr4_T1, 1, ST, SLE_rar_gr4_Centrif_T2, 1
ST, SLE_rar_gr4+vento_T2, 1, ST, SLE_rar_vento_gr4_T2, 1
ST, SLE_rar_gr4_Centrif_T3, 1, ST, SLE_rar_gr4+vento_T3, 1
ST, SLE_rar_vento_gr4_T3, 1
NAME=SLE qp Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_qp_T1, 1, ST, SLE_qp_T2, 1, ST, SLE_qp_T3, 1
NAME=SLU-SLV Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLU Env, 1, CB, SLV Env, 1
NAME=SLE r/SLD, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLE_rara_Env, 1, CB, SLD_Env, 1
    
```


*IC-COLOR ; Diagram Color for Load Case

; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX), iG2(MAX), iB2(MAX)

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ST, A1_SLU_gr1_Treno_T1, 160, 192, 255, 0, 128, 57, 192, 128, 0
ST, A1_SLU_gr2_Scarico_T1, 93, 255, 87, 146, 0, 255, 255, 160, 255
ST, A1_SLU_gr3_Fre/avv_T1, 255, 87, 128, 192, 128, 0, 192, 192, 0
ST, A1_SLU_gr1+vento_T1, 210, 210, 210, 255, 255, 87, 163, 160, 255
ST, A1_SLU_gr2+vento_T1, 0, 128, 192, 192, 128, 0, 163, 255, 160
ST, A1_SLU_gr3+vento_T1, 255, 255, 255, 192, 192, 0, 210, 210, 210
ST, A1_SLU_vento_gr1_T1, 160, 192, 255, 255, 87, 87, 0, 128, 255
ST, A1_SLU_vento_gr2_T1, 78, 0, 255, 255, 87, 87, 146, 0, 255
ST, A1_SLU_vento_gr3_T1, 0, 128, 255, 0, 192, 192, 85, 0, 192
ST, A1_SLU_Scalz_gr1_T1, 255, 0, 192, 192, 128, 0, 255, 255, 255
ST, A1_SLU_Scalz_gr2_T1, 0, 192, 192, 0, 128, 255, 0, 128, 128
ST, A1_SLU_gr1_Treno_T2, 255, 87, 87, 0, 192, 128, 255, 255, 87
ST, A1_SLU_gr2_Scarico_T2, 212, 160, 255, 255, 87, 128, 160, 255, 255
ST, A1_SLU_gr3_Fre/avv_T2, 255, 87, 128, 146, 0, 255, 163, 160, 255
ST, A1_SLU_gr1+vento_T2, 255, 255, 255, 160, 192, 255, 0, 192, 192
    
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PROJECT TITLE :

	Company	Client
	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Long

ST, Al_SLU_gr2+vento_T2, 0, 192, 192, 0, 157, 192, 255, 128, 0
 ST, Al_SLU_gr3+vento_T2, 255, 87, 87, 192, 0, 128, 255, 87, 87
 ST, Al_SLU_vento_gr1_T2, 210, 210, 210, 0, 192, 192, 192, 192, 192
 ST, Al_SLU_vento_gr2_T2, 192, 192, 192, 85, 192, 0, 0, 128, 192
 ST, Al_SLU_vento_gr3_T2, 0, 128, 128, 255, 192, 87, 192, 192, 0
 ST, Al_SLU_Scalz_gr1_T2, 255, 192, 87, 255, 128, 0, 255, 0, 128
 ST, Al_SLU_Scalz_gr2_T2, 85, 0, 192, 0, 128, 128, 255, 87, 87
 ST, Al_SLU_Scalz_gr3_T2, 0, 157, 192, 255, 160, 255, 146, 0, 255
 ST, Al_SLU_gr1_Treno_T3, 192, 192, 0, 0, 192, 192, 146, 0, 255
 ST, Al_SLU_gr2_Scarico_T3, 192, 72, 0, 255, 128, 0, 163, 255, 160
 ST, Al_SLU_gr3_Fre/avv_T3, 255, 128, 0, 210, 210, 210, 192, 128, 0
 ST, Al_SLU_gr1+vento_T3, 255, 87, 128, 78, 0, 255, 148, 87, 255
 ST, Al_SLU_gr2+vento_T3, 0, 157, 192, 255, 255, 87, 0, 128, 255
 ST, Al_SLU_gr3+vento_T3, 255, 255, 255, 255, 128, 0, 255, 255, 255
 ST, Al_SLU_vento_gr1_T3, 0, 128, 57, 255, 0, 192, 0, 128, 57
 ST, Al_SLU_vento_gr2_T3, 210, 210, 210, 255, 87, 87, 163, 255, 160
 ST, Al_SLU_vento_gr3_T3, 160, 192, 255, 85, 192, 0, 212, 160, 255
 ST, Al_SLU_Scalz_gr1_T3, 212, 160, 255, 255, 87, 128, 192, 0, 192
 ST, Al_SLU_Scalz_gr2_T3, 85, 0, 192, 0, 192, 128, 0, 128, 192
 ST, Al_SLU_Scalz_gr3_T3, 128, 192, 0, 0, 128, 192, 255, 192, 87
 ST, E_103x_SLV_T1, 163, 255, 160, 163, 160, 255, 255, 192, 160
 ST, E_103y_SLV_T1, 255, 87, 128, 0, 128, 192, 255, 192, 160
 ST, E_103z_SLV_T1, 192, 128, 0, 255, 192, 87, 0, 192, 128
 ST, E_103x_SLV_T2, 146, 0, 255, 148, 87, 255, 78, 0, 255
 ST, E_103y_SLV_T2, 210, 210, 210, 0, 128, 57, 0, 192, 128
 ST, E_103z_SLV_T2, 85, 0, 192, 85, 192, 0, 0, 128, 255
 ST, E_103x_SLV_T3, 128, 192, 0, 0, 128, 255, 148, 87, 255
 ST, E_103y_SLV_T3, 0, 157, 192, 255, 160, 255, 192, 192, 0
 ST, E_103z_SLV_T3, 163, 255, 160, 192, 192, 0, 0, 157, 192
 ST, SLE_rar_gr1_Treno_T1, 192, 72, 0, 192, 192, 0, 0, 157, 192
 ST, SLE_rar_gr2_Scarico_T1, 255, 192, 87, 85, 0, 192, 93, 255, 87
 ST, SLE_rar_gr3_Fre/avv_T1, 146, 0, 255, 192, 128, 0, 192, 128, 0
 ST, SLE_rar_gr1+vento_T1, 160, 255, 255, 192, 192, 192, 192, 0, 128
 ST, SLE_rar_gr2+vento_T1, 192, 0, 128, 255, 0, 128, 255, 128, 0
 ST, SLE_rar_gr3+vento_T1, 255, 87, 128, 255, 255, 255, 192, 128, 0
 ST, SLE_rar_vento_gr1_T1, 192, 0, 192, 192, 72, 0, 93, 255, 87
 ST, SLE_rar_vento_gr2_T1, 85, 192, 0, 163, 255, 160, 255, 192, 160
 ST, SLE_rar_vento_gr3_T1, 255, 0, 128, 212, 160, 255, 0, 192, 128
 ST, SLE_rar_gr1_Treno_T2, 255, 192, 87, 85, 192, 0, 0, 128, 255
 ST, SLE_rar_gr2_Scarico_T2, 0, 192, 192, 163, 160, 255, 212, 160, 255
 ST, SLE_rar_gr3_Fre/avv_T2, 192, 128, 0, 0, 128, 192, 0, 192, 128
 ST, SLE_rar_gr1+vento_T2, 0, 157, 192, 255, 87, 128, 128, 192, 0
 ST, SLE_rar_gr2+vento_T2, 0, 192, 128, 255, 128, 0, 163, 255, 160
 ST, SLE_rar_gr3+vento_T2, 255, 87, 128, 93, 255, 87, 212, 160, 255
 ST, SLE_rar_vento_gr1_T2, 0, 192, 128, 192, 0, 192, 255, 87, 87
 ST, SLE_rar_vento_gr2_T2, 85, 192, 0, 160, 192, 255, 85, 0, 192
 ST, SLE_rar_vento_gr3_T2, 148, 87, 255, 78, 0, 255, 255, 0, 192
 ST, SLE_rar_gr1_Treno_T3, 93, 255, 87, 255, 0, 192, 255, 192, 160
 ST, SLE_rar_gr2_Scarico_T3, 160, 192, 255, 0, 128, 128, 148, 87, 255
 ST, SLE_rar_gr3_Fre/avv_T3, 210, 210, 210, 160, 255, 255, 160, 192, 255
 ST, SLE_rar_gr1+vento_T3, 0, 128, 192, 93, 255, 87, 0, 128, 255
 ST, SLE_rar_gr2+vento_T3, 255, 87, 128, 85, 0, 192, 255, 0, 128
 ST, SLE_rar_gr3+vento_T3, 85, 0, 192, 160, 192, 255, 0, 192, 128
 ST, SLE_rar_vento_gr1_T3, 192, 72, 0, 163, 255, 160, 255, 255, 255
 ST, SLE_rar_vento_gr2_T3, 255, 0, 128, 0, 128, 57, 0, 192, 128
 ST, SLE_rar_vento_gr3_T3, 192, 192, 192, 0, 128, 192, 255, 160, 255
 ST, E_103x_SLD_T1, 192, 192, 192, 0, 128, 192, 0, 128, 57
 ST, E_103y_SLD_T1, 85, 0, 192, 255, 0, 192, 0, 128, 57
 ST, E_103z_SLD_T1, 212, 160, 255, 192, 192, 192, 255, 0, 128
 ST, E_103x_SLD_T2, 0, 128, 192, 148, 87, 255, 148, 87, 255
 ST, E_103y_SLD_T2, 255, 192, 87, 192, 128, 0, 212, 160, 255
 ST, E_103z_SLD_T2, 0, 157, 192, 255, 255, 255, 146, 0, 255

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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ST, E_103x_SLD_T3, 255, 192, 87, 255, 255, 87, 255, 128, 0
ST, E_103y_SLD_T3, 160, 255, 255, 255, 192, 87, 255, 0, 192
ST, E_103z_SLD_T3, 0, 192, 128, 255, 160, 255, 255, 192, 87
ST, SLE_rar_gr4_Centrif_T1, 0, 128, 128, 0, 128, 255, 0, 192, 128
ST, SLE_rar_gr4+vento_T1, 255, 255, 87, 255, 255, 87, 148, 87, 255
ST, SLE_rar_vento_gr4_T1, 255, 255, 87, 255, 192, 87, 78, 0, 255
ST, SLE_rar_gr4_Centrif_T2, 163, 255, 160, 192, 192, 192, 192, 0, 192
ST, SLE_rar_gr4+vento_T2, 192, 72, 0, 192, 72, 0, 146, 0, 255
ST, SLE_rar_vento_gr4_T2, 255, 192, 160, 85, 192, 0, 78, 0, 255
ST, SLE_rar_gr4_Centrif_T3, 0, 192, 128, 255, 192, 87, 255, 87, 128
ST, SLE_rar_gr4+vento_T3, 146, 0, 255, 255, 255, 255, 85, 0, 192
ST, SLE_rar_vento_gr4_T3, 255, 128, 0, 85, 0, 192, 0, 128, 128
ST, SLE_qp_T1, 255, 255, 87, 192, 72, 0, 160, 192, 255
ST, SLE_qp_T2, 212, 160, 255, 0, 128, 255, 192, 192, 192
ST, SLE_qp_T3, 255, 87, 87, 212, 160, 255, 85, 0, 192
ST, Al_SLU_Scalz_gr3_T1, 255, 128, 0, 146, 0, 255, 93, 255, 87
CB, SLU_Env, 255, 0, 128, 192, 192, 0, 85, 192, 0
CB, SLV_Env, 148, 87, 255, 192, 0, 128, 255, 87, 87
CB, SLE_rara_Env, 85, 192, 0, 163, 255, 160, 255, 192, 87
CB, SLD_Env, 0, 128, 128, 85, 0, 192, 78, 0, 255
CB, SLE_fess_Env, 255, 87, 87, 210, 210, 210, 255, 255, 255
CB, SLE_qp_Env, 78, 0, 255, 192, 0, 192, 0, 128, 255
CB, SLU-SLV_Env, 255, 0, 192, 85, 0, 192, 255, 128, 0
ST, Orizozntali, 160, 255, 255, 255, 192, 87, 255, 160, 255
ST, Verticali, 255, 87, 128, 255, 192, 160, 255, 192, 160
CB, SLE r/SLD, 255, 0, 128, 128, 192, 0, 255, 160, 255
    
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*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1] ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC
; iMAT, TYPE, MNAME, [DATA5] ; STEEL(None) & KSCE-A
SD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
1, CONC , C32/40 , 2, 0, NO, 1, , , , 0, 0, 0, NO, 0, 0,
, , , 0, NO, 1, , , , 0, 0, 0
    
```

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*DYNAGEN-FIGURE ; DynaGen Figure
;
NAME=SLU SLV Max, , NO, 0, 0, NO
1, 0, 0, 0, 0, 1, 0, -1, 0, , , NO, NO, NO, 0, , 1, NO, 2
0, NO, NO, YES, YES, YES, YES, NO, NO, NO, NO
NO, NO, NO, NO, NO
NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
NO, NO, NO, NO, NO, NO
0
NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
NO, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
0, 0, 0, 0, 1, 1
0
NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, NO, NO, NO, NO
NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
, NO, NO, YES, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO
    
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PROJECT TITLE :

MIDAS	Company	Client
	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Long


NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO
 NO, N
 O, N
 NO, NO, NO, NO
 , 0, 120, 0, 700, 0, 0, 0, 0, 1, 7, 0, 0, 65535, 20, 40, 30, 100, 0.01, 0.01, 0
 YES, NO, NO, NO
 0
 0
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, -40, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 0, -1, 0, 0, 1, 0, 0, -1.6, -0.69, -0.742441, 1
 1, 0, 0, 0, 0, 0, 1, 0, 0, -1, 0, 0, 1.6, -0.742441, 0.69, 1
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 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 0.625, 0, 0, 0, 0, 0.625, 0, 0, 0, 0, -0.0044495, 0, -6.93889e-017, -0, -0.99555, 1
 1.6, 0, 0, 0, 0, 1.6, 0, 0, 0, 0, -224.744, 0, 1.11022e-016, 0, 223.744, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0.04253, -0.022135, 0, 1
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 0.00228681, 0, 0, 0, 0, 0.00228681, 0, 0, 0, 0, 1, 0, -2.19533, -2.19533, 0, 1
 437.291, 0, 0, 0, 0, 437.291, 0, 0, 0, 0, 1, 0, 960, 960, 0, 1
 1, 0, 0, 0, 0, -1, 0, 0, 0, 0, 1, 0, -0, 1920, 0, 1
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 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 273.307, 0, 0, 0, 0, 0, 0.0044495, 0, 0, 273.307, 0, 0, 541.307, 761.739, -0.992247,
 1
 0.00365889, 0, 0, 0, 0, 0.00365889, 0, 0, 224.744, 0, 0, -1.98058, -224.487, -2.78
 712, 1
 0.00365889, 0, 0, 0, 0, 0.00365889, 0, 0, 0, 0, -224.744, 0, -3.58058, -3.47712, 223.
 744, 1
 273.307, 0, 0, 0, 0, 273.307, 0, 0, 0, 0, -0.0044495, 0, 978.598, 950.321, -0.99555,
 1
 273.307, 0, 0, 0, 0, 0, 0.0044495, 0, 0, 273.307, 0, 0, 541.307, 761.739, -0.992247,
 1
 0.625, 0, 0, 0, 0, 0, 0.0044495, 0, 0, 0.625, 0, 0, -0.957469, -0.453385, -0.992247,
 1
 437.291, 0, 0, 0, 0, -437.291, 0, 0, 0, 0, 1, 0, 960, 960, 0, 1
 0.00365889, 0, 0, 0, 0, 0, -0.00365889, 0, 0, 224.744, 0, 0, -1.98058, -224.487, 4.23
 795, 1
 273.307, 0, 0, 0, 0, 0, 0.0044495, 0, 0, -273.307, 0, 0, 541.307, 1158.26, -0.992247,
 1
 273.307, 0, 0, 0, 0, -273.307, 0, 0, 0, 0, -0.0044495, 0, 978.598, 969.679, -0.99555,
 1
 0.00365889, 0, 0, 0, 0, -0.00365889, 0, 0, 0, 0, -224.744, 0, -3.58058, 3.54795, 223.
 744, 1
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 0.625, 0, 0, 0, 0, 0, 0.0044495, 0, 0, 0.625, 0, 0, -0.999999, -0.43125, -0.992247, 1
 1.6, 0, 0, 0, 0, 0, 1.6, 0, 0, 224.744, 0, 0, 1.6, -224.487, 0.69, 1
 437.291, 0, 0, 0, 0, -437.291, 0, 0, 0, 0, 1, 0, 978.598, 969.679, 0, 1
 1.6, 0, 0, 0, 0, 1.6, 0, 0, 0, 0, -1, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1
 1.6, 0, 0, 0, 0, 1.6, 0, 0, 0, 0, -224.744, 0, 1.11022e-016, 0, 223.744, 1
 0.625, 0, 0, 0, 0, 0.625, 0, 0, 0, 0, -0.0044495, 0, -6.93889e-017, -0, -0.99555, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, -1.6, -0, -0.69, 1
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 1, 0, 0, 0, 0, 0, -1, 0, -0, 1, 0, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 0, 1, 0, 0, -1, 0, 0, 0, 0, 0, 1
 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, -1.6, -0.69, -0.742441, 1

PROJECT TITLE :

MIDAS	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long


1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 1, 0, 1.6, 0.69, 0.742441, 1
 273.307, 0, 0, 0, 0, -273.307, 0, 0, 0, 0, -0.0044495, 0, 541.307, 1158.26, -0.992247
 , 1
 0.00365889, 0, 0, 0, 0, -0.00365889, 0, 0, 0, 0, -224.744, 0, -1.98058, 4.23795, 224.
 487, 1
 0.625, 0, 0, 0, 0, 0.625, 0, 0, 0, 0, -0.0044495, 0, -6.93889e-017, -0, -0.99555, 1
 1.6, 0, 0, 0, 0, 1.6, 0, 0, 0, 0, -224.744, 0, 1.11022e-016, 0, 223.744, 1
 1.6, 0, 0.69
 1.6, -348.488, 0.69
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 1.11022e-016, -5.55112e-017, 3.48488
 0, 0, 0
 0, -1, 0
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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PROJECT TITLE :


	Company	Client
	Author	HP Inc.
		File Name
		Pulvino CAP-CAP_Long

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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PROJECT TITLE :

MIDAS	Company	Client	
	Author	File Name	
	HP Inc.		Pulvino CAP-CAP_Long

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PROJECT TITLE :

MIDAS	Company	Client
	Author	HP Inc.

Pulvino CAP-CAP_Long

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.

Pulvino CAP-CAP_Long

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*ENDDATA

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

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**      MIDAS/Civil V.8.9.5      Modeling, Integrated Design & Analysis Software
**
**      CIVIL STRUCTURE DESIGN SYSTEM
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  XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Civil

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VERSION 8.9.5

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MIDAS TEAM

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ANALYSIS RESULT OUTPUT

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
A1_SLU~1	A1_SLU_gr1_Treno_T1	Static	
A1_SLU~2	A1_SLU_gr2_Scarico_T1	Static	
A1_SLU~3	A1_SLU_gr3_Fre_avv_T1	Static	
A1_SLU~4	A1_SLU_gr1+vento_T1	Static	
A1_SLU~5	A1_SLU_gr2+vento_T1	Static	
A1_SLU~6	A1_SLU_gr3+vento_T1	Static	
A1_SLU~7	A1_SLU_vento_gr1_T1	Static	
A1_SLU~8	A1_SLU_vento_gr2_T1	Static	
A1_SLU~9	A1_SLU_vento_gr3_T1	Static	
A1_SLU~0	A1_SLU_Scalz_gr1_T1	Static	
A1_SLU~1	A1_SLU_Scalz_gr2_T1	Static	
A1_SLU~2	A1_SLU_gr1_Treno_T2	Static	
A1_SLU~3	A1_SLU_gr2_Scarico_T2	Static	
A1_SLU~4	A1_SLU_gr3_Fre_avv_T2	Static	
A1_SLU~5	A1_SLU_gr1+vento_T2	Static	
A1_SLU~6	A1_SLU_gr2+vento_T2	Static	
A1_SLU~7	A1_SLU_gr3+vento_T2	Static	
A1_SLU~8	A1_SLU_vento_gr1_T2	Static	
A1_SLU~9	A1_SLU_vento_gr2_T2	Static	
A1_SLU~10	A1_SLU_vento_gr3_T2	Static	
A1_SLU~11	A1_SLU_Scalz_gr1_T2	Static	
A1_SLU~12	A1_SLU_Scalz_gr2_T2	Static	
A1_SLU~13	A1_SLU_Scalz_gr3_T2	Static	
A1_SLU~14	A1_SLU_gr1_Treno_T3	Static	
A1_SLU~15	A1_SLU_gr2_Scarico_T3	Static	
A1_SLU~16	A1_SLU_gr3_Fre_avv_T3	Static	
A1_SLU~17	A1_SLU_gr1+vento_T3	Static	
A1_SLU~18	A1_SLU_gr2+vento_T3	Static	
A1_SLU~19	A1_SLU_gr3+vento_T3	Static	
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A1_SLU~21	A1_SLU_vento_gr2_T3	Static	
A1_SLU~22	A1_SLU_vento_gr3_T3	Static	
A1_SLU~23	A1_SLU_Scalz_gr1_T3	Static	
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A1_SLU~25	A1_SLU_Scalz_gr3_T3	Static	
A1_SLU~26	A1_SLU_Scalz_gr3_T1	Static	
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E_103y~1	E_103y_SLV_T1	Static	
E_103z~1	E_103z_SLV_T1	Static	
E_103x~2	E_103x_SLV_T2	Static	
E_103y~2	E_103y_SLV_T2	Static	
E_103z~2	E_103z_SLV_T2	Static	
E_103x~3	E_103x_SLV_T3	Static	
E_103y~3	E_103y_SLV_T3	Static	
E_103z~3	E_103z_SLV_T3	Static	
SLE_ra~1	SLE_rar_gr1_Treno_T1	Static	
SLE_ra~2	SLE_rar_gr2_Scarico_T1	Static	
SLE_ra~3	SLE_rar_gr3_Fre_avv_T1	Static	
SLE_ra~4	SLE_rar_gr1+vento_T1	Static	
SLE_ra~5	SLE_rar_gr2+vento_T1	Static	
SLE_ra~6	SLE_rar_gr3+vento_T1	Static	
SLE_ra~7	SLE_rar_vento_gr1_T1	Static	
SLE_ra~8	SLE_rar_vento_gr2_T1	Static	
SLE_ra~9	SLE_rar_vento_gr3_T1	Static	
SLE_ra~0	SLE_rar_gr1_Treno_T2	Static	
SLE_ra~1	SLE_rar_gr2_Scarico_T2	Static	
SLE_ra~2	SLE_rar_gr3_Fre_avv_T2	Static	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long


SLE_ra~3	SLE_rar_gr1+vento_T2	Static
SLE_ra~4	SLE_rar_gr2+vento_T2	Static
SLE_ra~5	SLE_rar_gr3+vento_T2	Static
SLE_ra~6	SLE_rar_vento_gr1_T2	Static
SLE_ra~7	SLE_rar_vento_gr2_T2	Static
SLE_ra~8	SLE_rar_vento_gr3_T2	Static
SLE_ra~9	SLE_rar_gr1_Treno_T3	Static
SLE_ra~10	SLE_rar_gr2_Scarico_T3	Static
SLE_ra~11	SLE_rar_gr3_Fre_avv_T3	Static
SLE_ra~12	SLE_rar_gr1+vento_T3	Static
SLE_ra~13	SLE_rar_gr2+vento_T3	Static
SLE_ra~14	SLE_rar_gr3+vento_T3	Static
SLE_ra~15	SLE_rar_vento_gr1_T3	Static
SLE_ra~16	SLE_rar_vento_gr2_T3	Static
SLE_ra~17	SLE_rar_vento_gr3_T3	Static
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E_103y~4	E_103y_SLD_T1	Static
E_103z~4	E_103z_SLD_T1	Static
E_103x~5	E_103x_SLD_T2	Static
E_103y~5	E_103y_SLD_T2	Static
E_103z~5	E_103z_SLD_T2	Static
E_103x~6	E_103x_SLD_T3	Static
E_103y~6	E_103y_SLD_T3	Static
E_103z~6	E_103z_SLD_T3	Static
SLE_ra~18	SLE_rar_gr4_Centrif_T1	Static
SLE_ra~19	SLE_rar_gr4+vento_T1	Static
SLE_ra~20	SLE_rar_vento_gr4_T1	Static
SLE_ra~21	SLE_rar_gr4_Centrif_T2	Static
SLE_ra~22	SLE_rar_gr4+vento_T2	Static
SLE_ra~23	SLE_rar_vento_gr4_T2	Static
SLE_ra~24	SLE_rar_gr4_Centrif_T3	Static
SLE_ra~25	SLE_rar_gr4+vento_T3	Static
SLE_ra~26	SLE_rar_vento_gr4_T3	Static
SLE_qp~1	SLE_qp_T1	Static
SLE_qp~2	SLE_qp_T2	Static
SLE_qp~3	SLE_qp_T3	Static
SLE_ra~27	SLE_qp_T3	Gen.Envl
SLE_fe~1	SLE_fess_Env	Gen.Envl
SLE_qp~4	SLE_qp_Env	Gen.Envl
SLU-SL~1	SLU-SLV_Env	Gen.Envl
SLE_r_~1	SLE_r_SLD	Gen.Envl

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>


[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env	Gen.Envl	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 ,
SLU~8 ,		1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 ,
SLU~2 ,		1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 ,
SLU~6 ,		1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 ,
SLU~10 ,		1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~10 ,
A1_SLU~14 ,		1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~14 ,
A1_SLU~18 ,		1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~18 ,

PROJECT TITLE :

	Company	Client			
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long	
A1_SLU~22 ,		1.000 x A1_SLU~19 ,	1.000 x A1_SLU~20 ,	1.000 x A1_SLU~21 ,	1.000 x
A1_SLU~26		1.000 x A1_SLU~23 ,	1.000 x A1_SLU~24 ,	1.000 x A1_SLU~25 ,	1.000 x
SLV_Env	Gen.Env1	1.000 x E_103x~1 ,	1.000 x E_103y~1 ,	1.000 x E_103z~1 ,	1.000 x
E_103x~2 ,		1.000 x E_103y~2 ,	1.000 x E_103z~2 ,	1.000 x E_103x~3 ,	1.000 x E_1
03y~3 ,		1.000 x E_103z~3			
SLE_ra~27	Gen.Env1	1.000 x SLE_ra~1 ,	1.000 x SLE_ra~2 ,	1.000 x SLE_ra~3 ,	1.000 x
SLE_ra~4 ,		1.000 x SLE_ra~5 ,	1.000 x SLE_ra~6 ,	1.000 x SLE_ra~7 ,	1.000 x SLE
_ra~8 ,		1.000 x SLE_ra~9 ,	1.000 x SLE_ra~0 ,	1.000 x SLE_ra~1 ,	1.000 x SLE
_ra~2 ,		1.000 x SLE_ra~3 ,	1.000 x SLE_ra~4 ,	1.000 x SLE_ra~5 ,	1.000 x SLE
_ra~6 ,		1.000 x SLE_ra~7 ,	1.000 x SLE_ra~8 ,	1.000 x SLE_ra~9 ,	1.000 x SLE
_ra~10 ,		1.000 x SLE_ra~11 ,	1.000 x SLE_ra~12 ,	1.000 x SLE_ra~13 ,	1.000 x
SLE_ra~14 ,		1.000 x SLE_ra~15 ,	1.000 x SLE_ra~16 ,	1.000 x SLE_ra~17	
SLD_Env	Gen.Env1	1.000 x E_103x~4 ,	1.000 x E_103y~4 ,	1.000 x E_103z~4 ,	1.000 x
E_103x~5 ,		1.000 x E_103y~5 ,	1.000 x E_103z~5 ,	1.000 x E_103x~6 ,	1.000 x E_1
03y~6 ,		1.000 x E_103z~6			
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 ,	1.000 x SLE_ra~19 ,	1.000 x SLE_ra~20 ,	1.000
x SLE_ra~21 ,		1.000 x SLE_ra~22 ,	1.000 x SLE_ra~23 ,	1.000 x SLE_ra~24 ,	1.000 x
SLE_ra~25 ,		1.000 x SLE_ra~26			
SLE_qp~4	Gen.Env1	1.000 x SLE_qp~1 ,	1.000 x SLE_qp~2 ,	1.000 x SLE_qp~3	
SLU-SL~1	Gen.Env1	1.000 x SLU_Env ,	1.000 x SLV_Env		
SLE r/~1	Gen.Env1	1.000 x SLE_ra~27 ,	1.000 x SLD_Env		

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
--- No Abbreviation was defined in this Load Set. All names are less than 8 char.'s ---			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 , SLU~8 , SLU~2 , SLU~6 , SLU~10 , A1_SLU~14 , A1_SLU~18 , A1_SLU~22 , A1_SLU~26	Gen.Env1	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~19 , 1.000 x A1_SLU~20 , 1.000 x A1_SLU~21 , 1.000 x A1_SLU~23 , 1.000 x A1_SLU~24 , 1.000 x A1_SLU~25 , 1.000 x A1_SLU~26
SLV_Env E_103x~2 , 03y~3 ,	Gen.Env1	1.000 x E_103x~1 , 1.000 x E_103y~1 , 1.000 x E_103z~1 , 1.000 x E_103y~2 , 1.000 x E_103z~2 , 1.000 x E_103x~3 , 1.000 x E_103z~3
SLE_ra~27 SLE_ra~4 , _ra~8 , _ra~2 , _ra~6 , _ra~10 , SLE_ra~14 ,	Gen.Env1	1.000 x SLE_ra~1 , 1.000 x SLE_ra~2 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~6 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~0 , 1.000 x SLE_ra~1 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~4 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~8 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~11 , 1.000 x SLE_ra~12 , 1.000 x SLE_ra~13 , 1.000 x SLE_ra~15 , 1.000 x SLE_ra~16 , 1.000 x SLE_ra~17
SLD_Env E_103x~5 , 03y~6 ,	Gen.Env1	1.000 x E_103x~4 , 1.000 x E_103y~4 , 1.000 x E_103z~4 , 1.000 x E_103y~5 , 1.000 x E_103z~5 , 1.000 x E_103x~6 , 1.000 x E_103z~6
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 , 1.000 x SLE_ra~19 , 1.000 x SLE_ra~20 , 1.000


PROJECT TITLE :

	Company	Client
	Author	HP Inc.

x SLE_ra~21 ,
 SLE_ra~25 ,
 SLE_qp~4 Gen.Env1
 SLU-SL~1 Gen.Env1
 SLE r/~1 Gen.Env1

1.000 x SLE_ra~22 , 1.000 x SLE_ra~23 , 1.000 x SLE_ra~24 , 1.000 x
 1.000 x SLE_ra~26
 1.000 x SLE_qp~1 , 1.000 x SLE_qp~2 , 1.000 x SLE_qp~3
 1.000 x SLU_Env , 1.000 x SLV_Env
 1.000 x SLE_ra~27 , 1.000 x SLD_Env

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	M
1	1	2	SLU_Env Max	I	-7715.3	0.0	1613.8	0.0	193.7	
0.0				J	-7715.3	0.0	1613.8	0.0	0.0	
0.0			Min	I	-11355.1	0.0	36.7	0.0	4.4	
0.0				J	-11355.1	0.0	36.7	0.0	0.0	
0.0			SLV_Env Max	I	-2479.2	0.0	3763.6	0.0	451.6	
0.0				J	-2479.2	0.0	3763.6	0.0	0.0	
0.0			Min	I	-7437.6	0.0	1146.2	0.0	137.5	
0.0				J	-7437.6	0.0	1146.2	0.0	0.0	
0.0			SLE_ra~2 Max	I	-5488.9	0.0	1061.6	0.0	127.4	
0.0				J	-5488.9	0.0	1061.6	0.0	0.0	
0.0			Min	I	-8012.2	0.0	31.0	0.0	3.7	
0.0				J	-8012.2	0.0	31.0	0.0	0.0	
0.0			SLD_Env Max	I	-3296.0	0.0	2535.7	0.0	304.3	
0.0				J	-3296.0	0.0	2535.7	0.0	0.0	
0.0			Min	I	-6059.3	0.0	777.8	0.0	93.3	
0.0				J	-6059.3	0.0	777.8	0.0	0.0	
0.0			SLE_fe~1 Max	I	-5538.4	0.0	677.0	0.0	81.2	
0.0				J	-5538.4	0.0	677.0	0.0	0.0	
0.0			Min	I	-6785.7	0.0	121.4	0.0	14.6	
0.0				J	-6785.7	0.0	121.4	0.0	0.0	
0.0			SLE_qp~4 Max	I	-5687.2	0.0	21.1	0.0	2.5	
0.0				J	-5687.2	0.0	21.1	0.0	0.0	
0.0			Min	I	-5687.2	0.0	21.1	0.0	2.5	
0.0				J	-5687.2	0.0	21.1	0.0	0.0	
0.0			SLU-SL~1 Max	I	-2479.2	0.0	3763.6	0.0	451.6	
0.0				J	-2479.2	0.0	3763.6	0.0	0.0	
0.0			Min	I	-11355.1	0.0	36.7	0.0	4.4	

PROJECT TITLE :


		Company			Client			
		Author	HP Inc.		File Name	Pulvino CAP-CAP_Long		
0.0			J	-11355.1	0.0	36.7	0.0	0.0
0.0		SLE_r/~1 Max	I	-3296.0	0.0	2535.7	0.0	304.3
0.0			J	-3296.0	0.0	2535.7	0.0	0.0
0.0		Min	I	-8012.2	0.0	31.0	0.0	3.7
0.0			J	-8012.2	0.0	31.0	0.0	0.0
2	1	2 SLU_Env Max	I	-8339.6	0.0	1622.2	0.0	194.7
0.0			J	-8339.6	0.0	1622.2	0.0	0.0
0.0		Min	I	-15081.4	0.0	42.3	0.0	5.1
0.0			J	-15081.4	0.0	42.3	0.0	0.0
0.0		SLV_Env Max	I	-8029.8	0.0	3770.4	0.0	452.4
0.0			J	-8029.8	0.0	3770.4	0.0	0.0
0.0		Min	I	-11199.6	0.0	1151.3	0.0	138.2
0.0			J	-11199.6	0.0	1151.3	0.0	0.0
0.0		SLE_ra~2 Max	I	-5976.5	0.0	1067.4	0.0	128.1
0.0			J	-5976.5	0.0	1067.4	0.0	0.0
0.0		Min	I	-10455.9	0.0	35.0	0.0	4.2
0.0			J	-10455.9	0.0	35.0	0.0	0.0
0.0		SLD_Env Max	I	-7088.7	0.0	2541.3	0.0	305.0
0.0			J	-7088.7	0.0	2541.3	0.0	0.0
0.0		Min	I	-9312.7	0.0	782.0	0.0	93.8
0.0			J	-9312.7	0.0	782.0	0.0	0.0
0.0		SLE_fe~1 Max	I	-6646.9	0.0	682.0	0.0	81.8
0.0			J	-6646.9	0.0	682.0	0.0	0.0
0.0		Min	I	-8795.0	0.0	125.6	0.0	15.1
0.0			J	-8795.0	0.0	125.6	0.0	0.0
0.0		SLE_qp~4 Max	I	-5737.8	0.0	24.9	0.0	3.0
0.0			J	-5737.8	0.0	24.9	0.0	0.0
0.0		Min	I	-5737.8	0.0	24.9	0.0	3.0
0.0			J	-5737.8	0.0	24.9	0.0	0.0
0.0		SLU-SL~1 Max	I	-8029.8	0.0	3770.4	0.0	452.4
0.0			J	-8029.8	0.0	3770.4	0.0	0.0

PROJECT TITLE :

	Company			Client			
	Author	HP Inc.		File Name	Pulvino CAP-CAP_Long		

0.0		Min	I	-15081.4	0.0	42.3	0.0	5.1
0.0			J	-15081.4	0.0	42.3	0.0	0.0
0.0								
0.0	SLE r/~1 Max		I	-5976.5	0.0	2541.3	0.0	305.0
0.0			J	-5976.5	0.0	2541.3	0.0	0.0
0.0		Min	I	-10455.9	0.0	35.0	0.0	4.2
0.0			J	-10455.9	0.0	35.0	0.0	0.0
0.0								

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

Node	LC		FX	FY	FZ	MX	MY	MZ
1	SLU_Env	Max	-36.7	0.0	11355.1	0.0	-4.4	0.0
		Min	-1613.8	0.0	7715.3	0.0	-193.7	0.0
	SLV_Env	Max	-1146.2	0.0	7437.6	0.0	-137.5	0.0
		Min	-3763.6	0.0	2479.2	0.0	-451.6	0.0
	SLE_ra~2	Max	-31.0	0.0	8012.2	0.0	-3.7	0.0
		Min	-1061.6	0.0	5488.9	0.0	-127.4	0.0
	SLD_Env	Max	-777.8	0.0	6059.3	0.0	-93.3	0.0
		Min	-2535.7	0.0	3296.0	0.0	-304.3	0.0
	SLE_fe~1	Max	-121.4	0.0	6785.7	0.0	-14.6	0.0
		Min	-677.0	0.0	5538.4	0.0	-81.2	0.0
	SLE_qp~4	Max	-21.1	0.0	5687.2	0.0	-2.5	0.0
		Min	-21.1	0.0	5687.2	0.0	-2.5	0.0
	SLU-SL~1	Max	-36.7	0.0	11355.1	0.0	-4.4	0.0
		Min	-3763.6	0.0	2479.2	0.0	-451.6	0.0
SLE r/~1	Max	-31.0	0.0	8012.2	0.0	-3.7	0.0	
	Min	-2535.7	0.0	3296.0	0.0	-304.3	0.0	
2	SLU_Env	Max	-42.3	0.0	15081.4	0.0	-5.1	0.0
		Min	-1622.2	0.0	8339.6	0.0	-194.7	0.0
	SLV_Env	Max	-1151.3	0.0	11199.6	0.0	-138.2	0.0
		Min	-3770.4	0.0	8029.8	0.0	-452.4	0.0
	SLE_ra~2	Max	-35.0	0.0	10455.9	0.0	-4.2	0.0
		Min	-1067.4	0.0	5976.5	0.0	-128.1	0.0
	SLD_Env	Max	-782.0	0.0	9312.7	0.0	-93.8	0.0
		Min	-2541.3	0.0	7088.7	0.0	-305.0	0.0
	SLE_fe~1	Max	-125.6	0.0	8795.0	0.0	-15.1	0.0
		Min	-682.0	0.0	6646.9	0.0	-81.8	0.0
	SLE_qp~4	Max	-24.9	0.0	5737.8	0.0	-3.0	0.0
		Min	-24.9	0.0	5737.8	0.0	-3.0	0.0
	SLU-SL~1	Max	-42.3	0.0	15081.4	0.0	-5.1	0.0
		Min	-3770.4	0.0	8029.8	0.0	-452.4	0.0
SLE r/~1	Max	-35.0	0.0	10455.9	0.0	-4.2	0.0	
	Min	-2541.3	0.0	5976.5	0.0	-305.0	0.0	

SUMMATION OF REACTION FORCES

LC	SUM-FX	SUM-FY	SUM-FZ
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

TRUSS ELEMENT FORCES DEFAULT PRINTOUT

Unit System : kN , m

ELEM	MAT	SEC	LC		FORCE-I	FORCE-J
3	1	1	SLU_Env	Max	6085.3	6085.3
				Min	4036.1	4036.1
			SLV_Env	Max	4903.8	4903.8
				Min	3271.6	3271.6
			SLE_ra~2	Max	4262.9	4262.9
				Min	2889.2	2889.2
			SLD_Env	Max	3999.7	3999.7
				Min	2903.8	2903.8
			SLE_fe~1	Max	3669.4	3669.4
				Min	2963.0	2963.0
			SLE_qp~4	Max	2779.7	2779.7
				Min	2779.7	2779.7
			SLU-SL~1	Max	6085.3	6085.3
				Min	3271.6	3271.6
SLE r/~1	Max	4262.9	4262.9			
	Min	2889.2	2889.2			
4	1	1	SLU_Env	Max	-1569.7	-1569.7
				Min	-2648.8	-2648.8
			SLV_Env	Max	4156.1	4156.1
				Min	-1373.5	-1373.5
			SLE_ra~2	Max	-1191.0	-1191.0
				Min	-1897.5	-1897.5
			SLD_Env	Max	2133.3	2133.3
				Min	-1237.2	-1237.2
			SLE_fe~1	Max	-1316.3	-1316.3
				Min	-1534.0	-1534.0
			SLE_qp~4	Max	-1495.1	-1495.1
				Min	-1495.1	-1495.1
			SLU-SL~1	Max	4156.1	4156.1
				Min	-2648.8	-2648.8
SLE r/~1	Max	2133.3	2133.3			
	Min	-1897.5	-1897.5			
5	1	1	SLU_Env	Max	-7978.8	-7978.8
				Min	-11870.9	-11870.9
			SLV_Env	Max	-2667.3	-2667.3
				Min	-8001.8	-8001.8
			SLE_ra~2	Max	-5639.4	-5639.4
				Min	-8352.8	-8352.8
			SLD_Env	Max	-3546.0	-3546.0
				Min	-6477.2	-6477.2
			SLE_fe~1	Max	-5639.4	-5639.4
				Min	-7136.7	-7136.7
			SLE_qp~4	Max	-5809.4	-5809.4
				Min	-5809.4	-5809.4
			SLU-SL~1	Max	-2667.3	-2667.3
				Min	-11870.9	-11870.9
SLE r/~1	Max	-3546.0	-3546.0			
	Min	-8352.8	-8352.8			
6	1	1	SLU_Env	Max	-8498.4	-8498.4
				Min	-15228.1	-15228.1
			SLV_Env	Max	-7847.3	-7847.3
				Min	-9984.0	-9984.0
			SLE_ra~2	Max	-6089.3	-6089.3
				Min	-10565.4	-10565.4
			SLD_Env	Max	-7088.6	-7088.6
				Min	-8265.8	-8265.8
			SLE_fe~1	Max	-6873.3	-6873.3
				Min	-8931.5	-8931.5
			SLE_qp~4	Max	-5847.9	-5847.9
				Min	-5847.9	-5847.9

PROJECT TITLE :


MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino CAP-CAP_Long	

				Min	-5847.9	-5847.9
			SLU-SL~1	Max	-7847.3	-7847.3
				Min	-15228.1	-15228.1
			SLE r/~1	Max	-6089.3	-6089.3
				Min	-10565.4	-10565.4
7	1	1	SLU_Env	Max	0.0	0.0
				Min	-1324.3	-1324.3
			SLV_Env	Max	0.0	0.0
				Min	-6.5	-6.5
			SLE_ra~2	Max	0.0	0.0
				Min	-959.2	-959.2
			SLD_Env	Max	0.0	0.0
				Min	-149.1	-149.1
			SLE_fe~1	Max	-265.1	-265.1
				Min	-840.3	-840.3
			SLE_qp~4	Max	-679.6	-679.6
				Min	-679.6	-679.6
			SLU-SL~1	Max	0.0	0.0
				Min	-1324.3	-1324.3
			SLE r/~1	Max	0.0	0.0
				Min	-959.2	-959.2
8	1	1	SLU_Env	Max	-857.9	-857.9
				Min	-2274.3	-2274.3
			SLV_Env	Max	-1569.4	-1569.4
				Min	-5728.8	-5728.8
			SLE_ra~2	Max	-610.7	-610.7
				Min	-1557.5	-1557.5
			SLD_Env	Max	-1101.3	-1101.3
				Min	-3853.7	-3853.7
			SLE_fe~1	Max	-610.7	-610.7
				Min	-1221.5	-1221.5
			SLE_qp~4	Max	-714.7	-714.7
				Min	-714.7	-714.7
			SLU-SL~1	Max	-857.9	-857.9
				Min	-5728.8	-5728.8
			SLE r/~1	Max	-610.7	-610.7
				Min	-3853.7	-3853.7

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Long

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

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; MIDAS/Civil Text (MCT) File.
; Date : 2021/5/6
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*VERSION
  8.9.5

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*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  KN      , M, BTU, C

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*PROJINFO   ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX, CLIENT, TITLE, ENGINEER, EDATE
  ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3, APPROVE, ADATE, COMMENT
  ; One Line per Data
  USER=HP Inc.
  ADDRESS=HP Inc.

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*STRUCTYPE  ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB,
  bROTRIGID
  1, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
  NTC18(RC), B450C, ASTM(RC), Grade 60

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*NODE      ; Nodes
; iNO, X, Y, Z
  1, 0, 0, 1.0067879e-008
  2, 3.25947626578818, 0, 1.00676516e-008
  3, 5.73947626578843, 0, 1.00676516e-008
  4, 8.99965084385872, 0, 1.0067879e-008
  5, 0, 0, 0.12000001006777
  6, 3.25965084385871, 0, 0.120000009911337
  7, 5.73965084385895, 0, 0.120000010067883
  8, 8.99965084385872, 0, 0.120000010067883
  9, 0.779650843858691, 0, 1.38000001006799
  10, 3.25965084385871, 0, 1.38000001007151
  11, 5.73965084385895, 0, 1.38000001007549
  12, 8.21965084385897, 0, 1.38000001007936

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*ELEMENT    ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,                ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 ; Solid Element
  1, BEAM , 1, 2, 1, 5, 0, 0
  2, BEAM , 1, 2, 6, 2, 0, 0
  3, BEAM , 1, 2, 7, 3, 0, 0
  4, BEAM , 1, 2, 4, 8, 0, 0
  5, TRUSS , 1, 1, 5, 6, 0, 0
  6, TRUSS , 1, 1, 6, 7, 0, 0
  7, TRUSS , 1, 1, 7, 8, 0, 0
  8, TRUSS , 1, 1, 9, 10, 0, 0
  9, TRUSS , 1, 1, 10, 11, 0, 0
  10, TRUSS , 1, 1, 11, 12, 0, 0
  11, TRUSS , 1, 1, 5, 9, 0, 0
  12, TRUSS , 1, 1, 10, 6, 0, 0
  13, TRUSS , 1, 1, 11, 7, 0, 0

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14,	TRUSS ,	1,	1,	8,	12,	0,	0				
15,	COMPTR,	1,	1,	5,	10,	0,	1,	0,	0,	NO	
16,	COMPTR,	1,	1,	9,	6,	0,	1,	0,	0,	NO	
17,	COMPTR,	1,	1,	6,	11,	0,	1,	0,	0,	NO	
18,	COMPTR,	1,	1,	10,	7,	0,	1,	0,	0,	NO	
19,	COMPTR,	1,	1,	7,	12,	0,	1,	0,	0,	NO	
20,	COMPTR,	1,	1,	11,	8,	0,	1,	0,	0,	NO	

```

*GROUP      ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  0          , , 1to14, 0

*LOAD-GROUP ; Load Group
; NAME
SLU
SLE_rara
SLD
SLE_fess
SLE_qp
SLV


*MATERIAL    ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
; SRC
; [DATA1] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
; Orthotropic
; [DATA2] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL
, DEN, MASS
  1, CONC , C32/40          , 0, 0, , C, NO, 0.05, 2, 3.3345e+007, 0.2, 1.0000e-
005, 0, 0

*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
  1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECTION     ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;

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2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;
4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgDEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;

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6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT ;
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1) ;
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2) ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I ;
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; [SIZE-A] ;
3rd line ;
; [SIZE-B] ;
4th line ;
; [SIZE-C] ;
5th line ;
; [SIZE-D] ;
6th line ;
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line ;
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;

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4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;
7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,


*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECT-SCALE ; Section Stiffness Scale Factor
; iSEC, AREA_SF, ASY_SF, ASZ_SF, IXX_SF, IYY_SF, IZZ_SF, WGT_SF, GROUP, iPart, bDiffIJ
; line 1
; J1, J2, J3, J4, J5, J6, J7
; line 2 (bDiffIJ=YES)
2, 1e+007, 1, 1, 0.0001, 0.0001, 0.0001, 1, , 1, NO

*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE ;
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line ;
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line ;
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;

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4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;

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4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;
6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT ;
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1) ;
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2) ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I ;
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; [SIZE-A] ;
3rd line ;
; [SIZE-B] ;
4th line ;
; [SIZE-C] ;

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5th line
; [SIZE-D] ;
6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC
; OPT1, OPT2, [JOINT] ;
2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;
4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;
7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM] : SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE] : SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS] : STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0

*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
A1 SLU_gr1_Treno_T1, USER,
A1 SLU_gr2_Scariço_T1, USER,
A1 SLU_gr3_Fre/avv_T1, USER,
A1 SLU_gr1+vento_T1, USER,
A1 SLU_gr2+vento_T1, USER,
A1 SLU_gr3+vento_T1, USER,
A1 SLU_vento_gr1_T1, USER,

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A1_SLU_vento_gr2_T1, USER,
 A1_SLU_vento_gr3_T1, USER,
 A1_SLU_Scalz_gr1_T1, USER,
 A1_SLU_Scalz_gr2_T1, USER,
 A1_SLU_gr1_Treno_T2, USER,
 A1_SLU_gr2_Scarico_T2, USER,
 A1_SLU_gr3_Fre/avv_T2, USER,
 A1_SLU_gr1+vento_T2, USER,
 A1_SLU_gr2+vento_T2, USER,
 A1_SLU_gr3+vento_T2, USER,
 A1_SLU_vento_gr1_T2, USER,
 A1_SLU_vento_gr2_T2, USER,
 A1_SLU_vento_gr3_T2, USER,
 A1_SLU_Scalz_gr1_T2, USER,
 A1_SLU_Scalz_gr2_T2, USER,
 A1_SLU_Scalz_gr3_T2, USER,
 A1_SLU_gr1_Treno_T3, USER,
 A1_SLU_gr2_Scarico_T3, USER,
 A1_SLU_gr3_Fre/avv_T3, USER,
 A1_SLU_gr1+vento_T3, USER,
 A1_SLU_gr2+vento_T3, USER,
 A1_SLU_gr3+vento_T3, USER,
 A1_SLU_vento_gr1_T3, USER,
 A1_SLU_vento_gr2_T3, USER,
 A1_SLU_vento_gr3_T3, USER,
 A1_SLU_Scalz_gr1_T3, USER,
 A1_SLU_Scalz_gr2_T3, USER,
 A1_SLU_Scalz_gr3_T3, USER,
 E_103x_SLV_T1, USER,
 E_103y_SLV_T1, USER,
 E_103z_SLV_T1, USER,
 E_103x_SLV_T2, USER,
 E_103y_SLV_T2, USER,
 E_103z_SLV_T2, USER,
 E_103x_SLV_T3, USER,
 E_103y_SLV_T3, USER,
 E_103z_SLV_T3, USER,
 SLE_rar_gr1_Treno_T1, USER,
 SLE_rar_gr2_Scarico_T1, USER,
 SLE_rar_gr3_Fre/avv_T1, USER,
 SLE_rar_gr1+vento_T1, USER,
 SLE_rar_gr2+vento_T1, USER,
 SLE_rar_gr3+vento_T1, USER,
 SLE_rar_vento_gr1_T1, USER,
 SLE_rar_vento_gr2_T1, USER,
 SLE_rar_vento_gr3_T1, USER,
 SLE_rar_gr1_Treno_T2, USER,
 SLE_rar_gr2_Scarico_T2, USER,
 SLE_rar_gr3_Fre/avv_T2, USER,
 SLE_rar_gr1+vento_T2, USER,
 SLE_rar_gr2+vento_T2, USER,
 SLE_rar_gr3+vento_T2, USER,
 SLE_rar_vento_gr1_T2, USER,
 SLE_rar_vento_gr2_T2, USER,
 SLE_rar_vento_gr3_T2, USER,
 SLE_rar_gr1_Treno_T3, USER,
 SLE_rar_gr2_Scarico_T3, USER,
 SLE_rar_gr3_Fre/avv_T3, USER,
 SLE_rar_gr1+vento_T3, USER,
 SLE_rar_gr2+vento_T3, USER,
 SLE_rar_gr3+vento_T3, USER,
 SLE_rar_vento_gr1_T3, USER,

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```
SLE_rar_vento_gr2_T3, USER,
SLE_rar_vento_gr3_T3, USER,
E_103x_SLD_T1, USER,
E_103y_SLD_T1, USER,
E_103z_SLD_T1, USER,
E_103x_SLD_T2, USER,
E_103y_SLD_T2, USER,
E_103z_SLD_T2, USER,
E_103x_SLD_T3, USER,
E_103y_SLD_T3, USER,
E_103z_SLD_T3, USER,
SLE_rar_gr4_Centrif_T1, USER,
SLE_rar_gr4+vento_T1, USER,
SLE_rar_vento_gr4_T1, USER,
SLE_rar_gr4_Centrif_T2, USER,
SLE_rar_gr4+vento_T2, USER,
SLE_rar_vento_gr4_T2, USER,
SLE_rar_gr4_Centrif_T3, USER,
SLE_rar_gr4+vento_T3, USER,
SLE_rar_vento_gr4_T3, USER,
SLE_qp_T1, USER,
SLE_qp_T2, USER,
SLE_qp_T3, USER,
A1_SLU_Scalz_gr3_T1, USER,
Prova_Verticali, USER,
Orizzontali, USER,
```

```
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
1to4, 111111,
```

```
*USE-STLD, A1_SLU_gr1_Treno_T1
```

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -2827, 0, 0, 0, SLU
10, 261, 0, -3115, 0, 0, 0, SLU
11, 261, 0, -3404, 0, 0, 0, SLU
12, 0, 0, -3692, 0, 0, 0, SLU
```

```
; End of data for load case [A1_SLU_gr1_Treno_T1] -----
```

```
*USE-STLD, A1_SLU_gr2_Scarico_T1
```


```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1796, 0, 0, 0, SLU
10, 261, 0, -2009, 0, 0, 0, SLU
11, 261, 0, -2221, 0, 0, 0, SLU
12, 0, 0, -2434, 0, 0, 0, SLU
```

```
; End of data for load case [A1_SLU_gr2_Scarico_T1] -----
```

```
*USE-STLD, A1_SLU_gr3_Fre/avv_T1
```

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -3060, 0, 0, 0, SLU
10, 130, 0, -3242, 0, 0, 0, SLU
11, 130, 0, -3424, 0, 0, 0, SLU
12, 0, 0, -3606, 0, 0, 0, SLU
```

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; End of data for load case [A1_SLU_gr3_Fre/avv_T1] -----

*USE-STLD, A1_SLU_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2783, 0, 0, 0, SLU
 10, 384, 0, -3255, 0, 0, 0, SLU
 11, 384, 0, -3728, 0, 0, 0, SLU
 12, 0, 0, -4201, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T1] -----

*USE-STLD, A1_SLU_gr2+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1752, 0, 0, 0, SLU
 10, 384, 0, -2149, 0, 0, 0, SLU
 11, 384, 0, -2546, 0, 0, 0, SLU
 12, 0, 0, -2942, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T1] -----

*USE-STLD, A1_SLU_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3016, 0, 0, 0, SLU
 10, 254, 0, -3382, 0, 0, 0, SLU
 11, 254, 0, -3748, 0, 0, 0, SLU
 12, 0, 0, -4115, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T1] -----

*USE-STLD, A1_SLU_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1951, 0, 0, 0, SLU
 10, 205, 0, -2258, 0, 0, 0, SLU
 11, 205, 0, -2565, 0, 0, 0, SLU
 12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T1] -----

*USE-STLD, A1_SLU_vento_gr2_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1951, 0, 0, 0, SLU
 10, 205, 0, -2258, 0, 0, 0, SLU
 11, 205, 0, -2565, 0, 0, 0, SLU
 12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T1] -----

*USE-STLD, A1_SLU_vento_gr3_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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9, 0, 0, -1951, 0, 0, 0, SLU
 10, 205, 0, -2258, 0, 0, 0, SLU
 11, 205, 0, -2565, 0, 0, 0, SLU
 12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T1] -----

*USE-STLD, A1_SLU_Scalz_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2502, 0, 0, 0, SLU
 10, 156, 0, -2675, 0, 0, 0, SLU
 11, 156, 0, -2848, 0, 0, 0, SLU
 12, 0, 0, -3021, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T1] -----

*USE-STLD, A1_SLU_Scalz_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1887, 0, 0, 0, SLU
 10, 156, 0, -2015, 0, 0, 0, SLU
 11, 156, 0, -2142, 0, 0, 0, SLU
 12, 0, 0, -2270, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T1] -----

*USE-STLD, A1_SLU_gr1_Treno_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2795, 0, 0, 0, SLU
 10, 261, 0, -3071, 0, 0, 0, SLU
 11, 261, 0, -3347, 0, 0, 0, SLU
 12, 0, 0, -3624, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T2] -----

*USE-STLD, A1_SLU_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1796, 0, 0, 0, SLU
 10, 261, 0, -2009, 0, 0, 0, SLU
 11, 261, 0, -2221, 0, 0, 0, SLU
 12, 0, 0, -2434, 0, 0, 0, SLU


; End of data for load case [A1_SLU_gr2_Scarico_T2] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3028, 0, 0, 0, SLU
 10, 130, 0, -3198, 0, 0, 0, SLU
 11, 130, 0, -3368, 0, 0, 0, SLU
 12, 0, 0, -3538, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T2] -----

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*USE-STLD, A1_SLU_gr1+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2751, 0, 0, 0, SLU
  10, 384, 0, -3211, 0, 0, 0, SLU
  11, 384, 0, -3672, 0, 0, 0, SLU
  12, 0, 0, -4132, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T2] -----

*USE-STLD, A1_SLU_gr2+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1752, 0, 0, 0, SLU
  10, 384, 0, -2149, 0, 0, 0, SLU
  11, 384, 0, -2546, 0, 0, 0, SLU
  12, 0, 0, -2942, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T2] -----

*USE-STLD, A1_SLU_gr3+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2984, 0, 0, 0, SLU
  10, 254, 0, -3338, 0, 0, 0, SLU
  11, 254, 0, -3692, 0, 0, 0, SLU
  12, 0, 0, -4046, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T2] -----

*USE-STLD, A1_SLU_vento_gr1_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1951, 0, 0, 0, SLU
  10, 205, 0, -2258, 0, 0, 0, SLU
  11, 205, 0, -2565, 0, 0, 0, SLU
  12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T2] -----

*USE-STLD, A1_SLU_vento_gr2_T2


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1951, 0, 0, 0, SLU
  10, 205, 0, -2258, 0, 0, 0, SLU
  11, 205, 0, -2565, 0, 0, 0, SLU
  12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T2] -----

*USE-STLD, A1_SLU_vento_gr3_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1951, 0, 0, 0, SLU
  10, 205, 0, -2258, 0, 0, 0, SLU
  11, 205, 0, -2565, 0, 0, 0, SLU
    
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12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T2] -----

*USE-STLD, A1_SLU_Scalz_gr1_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2484, 0, 0, 0, SLU
 10, 156, 0, -2650, 0, 0, 0, SLU
 11, 156, 0, -2816, 0, 0, 0, SLU
 12, 0, 0, -2982, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T2] -----

*USE-STLD, A1_SLU_Scalz_gr2_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1887, 0, 0, 0, SLU
 10, 156, 0, -2015, 0, 0, 0, SLU
 11, 156, 0, -2142, 0, 0, 0, SLU
 12, 0, 0, -2270, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T2] -----

*USE-STLD, A1_SLU_Scalz_gr3_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2624, 0, 0, 0, SLU
 10, 78, 0, -2726, 0, 0, 0, SLU
 11, 78, 0, -2828, 0, 0, 0, SLU
 12, 0, 0, -2930, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T2] -----

*USE-STLD, A1_SLU_gr1_Treno_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1792, 0, 0, 0, SLU
 10, 261, 0, -2411, 0, 0, 0, SLU
 11, 261, 0, -3031, 0, 0, 0, SLU
 12, 0, 0, -3650, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T3] -----

*USE-STLD, A1_SLU_gr2_Scarico_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1796, 0, 0, 0, SLU
 10, 261, 0, -2009, 0, 0, 0, SLU
 11, 261, 0, -2221, 0, 0, 0, SLU
 12, 0, 0, -2434, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T3] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2025, 0, 0, 0, SLU
 10, 130, 0, -2538, 0, 0, 0, SLU
 11, 130, 0, -3051, 0, 0, 0, SLU
 12, 0, 0, -3564, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T3] -----
*USE-STLD, A1_SLU_gr1+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1748, 0, 0, 0, SLU
 10, 384, 0, -2551, 0, 0, 0, SLU
 11, 384, 0, -3355, 0, 0, 0, SLU
 12, 0, 0, -4158, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T3] -----
*USE-STLD, A1_SLU_gr2+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1752, 0, 0, 0, SLU
 10, 384, 0, -2149, 0, 0, 0, SLU
 11, 384, 0, -2546, 0, 0, 0, SLU
 12, 0, 0, -2942, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T3] -----
*USE-STLD, A1_SLU_gr3+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1981, 0, 0, 0, SLU
 10, 254, 0, -2678, 0, 0, 0, SLU
 11, 254, 0, -3375, 0, 0, 0, SLU
 12, 0, 0, -4072, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T3] -----
*USE-STLD, A1_SLU_vento_gr1_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1951, 0, 0, 0, SLU
 10, 205, 0, -2258, 0, 0, 0, SLU
 11, 205, 0, -2565, 0, 0, 0, SLU
 12, 0, 0, -2872, 0, 0, 0, SLU


; End of data for load case [A1_SLU_vento_gr1_T3] -----
*USE-STLD, A1_SLU_vento_gr2_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1951, 0, 0, 0, SLU
 10, 205, 0, -2258, 0, 0, 0, SLU
 11, 205, 0, -2565, 0, 0, 0, SLU
 12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T3] -----

```

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

```

*USE-STLD, A1_SLU_vento_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1951, 0, 0, 0, SLU
  10, 205, 0, -2258, 0, 0, 0, SLU
  11, 205, 0, -2565, 0, 0, 0, SLU
  12, 0, 0, -2872, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T3] -----

*USE-STLD, A1_SLU_Scalz_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1883, 0, 0, 0, SLU
  10, 156, 0, -2254, 0, 0, 0, SLU
  11, 156, 0, -2626, 0, 0, 0, SLU
  12, 0, 0, -2998, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T3] -----

*USE-STLD, A1_SLU_Scalz_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1887, 0, 0, 0, SLU
  10, 156, 0, -2015, 0, 0, 0, SLU
  11, 156, 0, -2142, 0, 0, 0, SLU
  12, 0, 0, -2270, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2022, 0, 0, 0, SLU
  10, 78, 0, -2330, 0, 0, 0, SLU
  11, 78, 0, -2638, 0, 0, 0, SLU
  12, 0, 0, -2946, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T3] -----

*USE-STLD, E_103x_SLV_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1765, 0, 0, 0, SLV
  10, 552, 0, -2051, 0, 0, 0, SLV
  11, 552, 0, -2337, 0, 0, 0, SLV
  12, 0, 0, -2624, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T1] -----

*USE-STLD, E_103y_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -502, 0, 0, 0, SLV
  10, 1839, 0, -1432, 0, 0, 0, SLV
    
```

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

11, 1839, 0, -2363, 0, 0, 0, SLV
 12, 0, 0, -3293, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T1] -----

*USE-STLD, E_103z_SLV_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1890, 0, 0, 0, SLV
 10, 552, 0, -2177, 0, 0, 0, SLV
 11, 552, 0, -2463, 0, 0, 0, SLV
 12, 0, 0, -2750, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T1] -----

*USE-STLD, E_103x_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1761, 0, 0, 0, SLV
 10, 552, 0, -2045, 0, 0, 0, SLV
 11, 552, 0, -2330, 0, 0, 0, SLV
 12, 0, 0, -2615, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T2] -----

*USE-STLD, E_103y_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -498, 0, 0, 0, SLV
 10, 1839, 0, -1426, 0, 0, 0, SLV
 11, 1839, 0, -2355, 0, 0, 0, SLV
 12, 0, 0, -3284, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T2] -----

*USE-STLD, E_103z_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1886, 0, 0, 0, SLV
 10, 552, 0, -2171, 0, 0, 0, SLV
 11, 552, 0, -2456, 0, 0, 0, SLV
 12, 0, 0, -2741, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T2] -----

*USE-STLD, E_103x_SLV_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1622, 0, 0, 0, SLV
 10, 552, 0, -1954, 0, 0, 0, SLV
 11, 552, 0, -2286, 0, 0, 0, SLV
 12, 0, 0, -2619, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T3] -----

*USE-STLD, E_103y_SLV_T3

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

```

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -360, 0, 0, 0, SLV
 10, 1839, 0, -1336, 0, 0, 0, SLV
 11, 1839, 0, -2312, 0, 0, 0, SLV
 12, 0, 0, -3288, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T3] -----

*USE-STLD, E_103z_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1748, 0, 0, 0, SLV
 10, 552, 0, -2080, 0, 0, 0, SLV
 11, 552, 0, -2412, 0, 0, 0, SLV
 12, 0, 0, -2744, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T3] -----

*USE-STLD, SLE_rar_gr1_Treno_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1976, 0, 0, 0, SLE_rara
 10, 180, 0, -2175, 0, 0, 0, SLE_rara
 11, 180, 0, -2374, 0, 0, 0, SLE_rara
 12, 0, 0, -2573, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T1] -----

*USE-STLD, SLE_rar_gr2_Scarico_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1269, 0, 0, 0, SLE_rara
 10, 180, 0, -1416, 0, 0, 0, SLE_rara
 11, 180, 0, -1562, 0, 0, 0, SLE_rara
 12, 0, 0, -1709, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T1] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2137, 0, 0, 0, SLE_rara
 10, 90, 0, -2262, 0, 0, 0, SLE_rara
 11, 90, 0, -2388, 0, 0, 0, SLE_rara
 12, 0, 0, -2513, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T1] -----

*USE-STLD, SLE_rar_gr1+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1946, 0, 0, 0, SLE_rara
 10, 262, 0, -2268, 0, 0, 0, SLE_rara
 11, 262, 0, -2590, 0, 0, 0, SLE_rara
 12, 0, 0, -2912, 0, 0, 0, SLE_rara
    
```

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trav

; End of data for load case [SLE_rar_gr1+vento_T1] -----

*USE-STLD, SLE_rar_gr2+vento_T1

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1239, 0, 0, 0, SLE_rara
 10, 262, 0, -1509, 0, 0, 0, SLE_rara
 11, 262, 0, -1778, 0, 0, 0, SLE_rara
 12, 0, 0, -2048, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr2+vento_T1] -----

*USE-STLD, SLE_rar_gr3+vento_T1

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2107, 0, 0, 0, SLE_rara
 10, 172, 0, -2355, 0, 0, 0, SLE_rara
 11, 172, 0, -2604, 0, 0, 0, SLE_rara
 12, 0, 0, -2852, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr3+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr1_T1

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr1_T1] -----

*USE-STLD, SLE_rar_vento_gr2_T1

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr2_T1] -----

*USE-STLD, SLE_rar_vento_gr3_T1


```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr3_T1] -----

*USE-STLD, SLE_rar_gr1_Treno_T2

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1955, 0, 0, 0, SLE_rara
```

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

10, 180, 0, -2146, 0, 0, 0, SLE_rara
 11, 180, 0, -2337, 0, 0, 0, SLE_rara
 12, 0, 0, -2527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T2] -----

*USE-STLD, SLE_rar_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1269, 0, 0, 0, SLE_rara
 10, 180, 0, -1416, 0, 0, 0, SLE_rara
 11, 180, 0, -1562, 0, 0, 0, SLE_rara
 12, 0, 0, -1709, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T2] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2116, 0, 0, 0, SLE_rara
 10, 90, 0, -2233, 0, 0, 0, SLE_rara
 11, 90, 0, -2351, 0, 0, 0, SLE_rara
 12, 0, 0, -2468, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T2] -----

*USE-STLD, SLE_rar_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1926, 0, 0, 0, SLE_rara
 10, 262, 0, -2239, 0, 0, 0, SLE_rara
 11, 262, 0, -2553, 0, 0, 0, SLE_rara
 12, 0, 0, -2866, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T2] -----

*USE-STLD, SLE_rar_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1239, 0, 0, 0, SLE_rara
 10, 262, 0, -1509, 0, 0, 0, SLE_rara
 11, 262, 0, -1778, 0, 0, 0, SLE_rara
 12, 0, 0, -2048, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T2] -----


*USE-STLD, SLE_rar_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2087, 0, 0, 0, SLE_rara
 10, 172, 0, -2327, 0, 0, 0, SLE_rara
 11, 172, 0, -2567, 0, 0, 0, SLE_rara
 12, 0, 0, -2807, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr1_T2

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trav

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr1_T2] -----

*USE-STLD, SLE_rar_vento_gr2_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr2_T2] -----

*USE-STLD, SLE_rar_vento_gr3_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr3_T2] -----

*USE-STLD, SLE_rar_gr1_Treno_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1264, 0, 0, 0, SLE_rara
 10, 180, 0, -1691, 0, 0, 0, SLE_rara
 11, 180, 0, -2118, 0, 0, 0, SLE_rara
 12, 0, 0, -2546, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr1_Treno_T3] -----

*USE-STLD, SLE_rar_gr2_Scarico_T3


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1269, 0, 0, 0, SLE_rara
 10, 180, 0, -1416, 0, 0, 0, SLE_rara
 11, 180, 0, -1562, 0, 0, 0, SLE_rara
 12, 0, 0, -1709, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr2_Scarico_T3] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1425, 0, 0, 0, SLE_rara
 10, 90, 0, -1779, 0, 0, 0, SLE_rara
 11, 90, 0, -2132, 0, 0, 0, SLE_rara
 12, 0, 0, -2486, 0, 0, 0, SLE_rara
```

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

; End of data for load case [SLE_rar_gr3_Fre/avv_T3] -----

*USE-STLD, SLE_rar_gr1+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1235, 0, 0, 0, SLE_rara
 10, 262, 0, -1785, 0, 0, 0, SLE_rara
 11, 262, 0, -2335, 0, 0, 0, SLE_rara
 12, 0, 0, -2884, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T3] -----

*USE-STLD, SLE_rar_gr2+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1239, 0, 0, 0, SLE_rara
 10, 262, 0, -1509, 0, 0, 0, SLE_rara
 11, 262, 0, -1778, 0, 0, 0, SLE_rara
 12, 0, 0, -2048, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T3] -----

*USE-STLD, SLE_rar_gr3+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1395, 0, 0, 0, SLE_rara
 10, 172, 0, -1872, 0, 0, 0, SLE_rara
 11, 172, 0, -2349, 0, 0, 0, SLE_rara
 12, 0, 0, -2825, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T3] -----

*USE-STLD, SLE_rar_vento_gr1_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T3] -----

*USE-STLD, SLE_rar_vento_gr2_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1379, 0, 0, 0, SLE_rara
 10, 137, 0, -1584, 0, 0, 0, SLE_rara
 11, 137, 0, -1788, 0, 0, 0, SLE_rara
 12, 0, 0, -1993, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T3] -----

*USE-STLD, SLE_rar_vento_gr3_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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	Company		Client	
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```

9, 0, 0, -1379, 0, 0, 0, SLE_rara
10, 137, 0, -1584, 0, 0, 0, SLE_rara
11, 137, 0, -1788, 0, 0, 0, SLE_rara
12, 0, 0, -1993, 0, 0, 0, SLE_rara

```

; End of data for load case [SLE_rar_vento_gr3_T3] -----

*USE-STLD, E_103x_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1627, 0, 0, 0, SLD
10, 370, 0, -1823, 0, 0, 0, SLD
11, 370, 0, -2019, 0, 0, 0, SLD
12, 0, 0, -2214, 0, 0, 0, SLD

```

; End of data for load case [E_103x_SLD_T1] -----

*USE-STLD, E_103y_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -780, 0, 0, 0, SLD
10, 1234, 0, -1408, 0, 0, 0, SLD
11, 1234, 0, -2035, 0, 0, 0, SLD
12, 0, 0, -2663, 0, 0, 0, SLD

```

; End of data for load case [E_103y_SLD_T1] -----

*USE-STLD, E_103z_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1539, 0, 0, 0, SLD
10, 370, 0, -1734, 0, 0, 0, SLD
11, 370, 0, -1930, 0, 0, 0, SLD
12, 0, 0, -2126, 0, 0, 0, SLD

```

; End of data for load case [E_103z_SLD_T1] -----

*USE-STLD, E_103x_SLD_T2

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1623, 0, 0, 0, SLD
10, 370, 0, -1817, 0, 0, 0, SLD
11, 370, 0, -2011, 0, 0, 0, SLD
12, 0, 0, -2205, 0, 0, 0, SLD

```

; End of data for load case [E_103x_SLD_T2] -----

*USE-STLD, E_103y_SLD_T2


```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -776, 0, 0, 0, SLD
10, 1234, 0, -1402, 0, 0, 0, SLD
11, 1234, 0, -2028, 0, 0, 0, SLD
12, 0, 0, -2654, 0, 0, 0, SLD

```

; End of data for load case [E_103y_SLD_T2] -----

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

*USE-STLD, E_103z_SLD_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1535, 0, 0, 0, SLD
 10, 370, 0, -1729, 0, 0, 0, SLD
 11, 370, 0, -1923, 0, 0, 0, SLD
 12, 0, 0, -2117, 0, 0, 0, SLD
```

; End of data for load case [E_103z_SLD_T2] -----

*USE-STLD, E_103x_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1485, 0, 0, 0, SLD
 10, 370, 0, -1726, 0, 0, 0, SLD
 11, 370, 0, -1968, 0, 0, 0, SLD
 12, 0, 0, -2209, 0, 0, 0, SLD
```

; End of data for load case [E_103x_SLD_T3] -----

*USE-STLD, E_103y_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -638, 0, 0, 0, SLD
 10, 1234, 0, -1311, 0, 0, 0, SLD
 11, 1234, 0, -1984, 0, 0, 0, SLD
 12, 0, 0, -2658, 0, 0, 0, SLD
```

; End of data for load case [E_103y_SLD_T3] -----

*USE-STLD, E_103z_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1397, 0, 0, 0, SLD
 10, 370, 0, -1638, 0, 0, 0, SLD
 11, 370, 0, -1879, 0, 0, 0, SLD
 12, 0, 0, -2120, 0, 0, 0, SLD
```

; End of data for load case [E_103z_SLD_T3] -----

*USE-STLD, SLE_rar_gr4_Centrif_T1


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1788, 0, 0, 0, SLE_fess
 10, 108, 0, -1908, 0, 0, 0, SLE_fess
 11, 108, 0, -2027, 0, 0, 0, SLE_fess
 12, 0, 0, -2147, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_gr4_Centrif_T1] -----

*USE-STLD, SLE_rar_gr4+vento_T1

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1759, 0, 0, 0, SLE_fess
 10, 190, 0, -2001, 0, 0, 0, SLE_fess
 11, 190, 0, -2243, 0, 0, 0, SLE_fess
```

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12, 0, 0, -2485, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr4_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1379, 0, 0, 0, SLE_fess
 10, 137, 0, -1584, 0, 0, 0, SLE_fess
 11, 137, 0, -1788, 0, 0, 0, SLE_fess
 12, 0, 0, -1993, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T1] -----

*USE-STLD, SLE_rar_gr4_Centrif_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1776, 0, 0, 0, SLE_fess
 10, 108, 0, -1891, 0, 0, 0, SLE_fess
 11, 108, 0, -2005, 0, 0, 0, SLE_fess
 12, 0, 0, -2119, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T2] -----

*USE-STLD, SLE_rar_gr4+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1747, 0, 0, 0, SLE_fess
 10, 190, 0, -1984, 0, 0, 0, SLE_fess
 11, 190, 0, -2221, 0, 0, 0, SLE_fess
 12, 0, 0, -2458, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr4_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1379, 0, 0, 0, SLE_fess
 10, 137, 0, -1584, 0, 0, 0, SLE_fess
 11, 137, 0, -1788, 0, 0, 0, SLE_fess
 12, 0, 0, -1993, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T2] -----

*USE-STLD, SLE_rar_gr4_Centrif_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1361, 0, 0, 0, SLE_fess
 10, 108, 0, -1618, 0, 0, 0, SLE_fess
 11, 108, 0, -1874, 0, 0, 0, SLE_fess
 12, 0, 0, -2130, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T3] -----

*USE-STLD, SLE_rar_gr4+vento_T3

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1332, 0, 0, 0, SLE_fess
 10, 190, 0, -1711, 0, 0, 0, SLE_fess
 11, 190, 0, -2090, 0, 0, 0, SLE_fess
 12, 0, 0, -2469, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T3] -----

*USE-STLD, SLE_rar_vento_gr4_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1379, 0, 0, 0, SLE_fess
 10, 137, 0, -1584, 0, 0, 0, SLE_fess
 11, 137, 0, -1788, 0, 0, 0, SLE_fess
 12, 0, 0, -1993, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T3] -----

*USE-STLD, SLE_qp_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1431, 0, 0, 0, SLE_qp
 10, 0, 0, -1431, 0, 0, 0, SLE_qp
 11, 0, 0, -1431, 0, 0, 0, SLE_qp
 12, 0, 0, -1431, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T1] -----

*USE-STLD, SLE_qp_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1431, 0, 0, 0, SLE_qp
 10, 0, 0, -1431, 0, 0, 0, SLE_qp
 11, 0, 0, -1431, 0, 0, 0, SLE_qp
 12, 0, 0, -1431, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T2] -----

*USE-STLD, SLE_qp_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1431, 0, 0, 0, SLE_qp
 10, 0, 0, -1431, 0, 0, 0, SLE_qp
 11, 0, 0, -1431, 0, 0, 0, SLE_qp
 12, 0, 0, -1431, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T3] -----


*USE-STLD, A1_SLU_Scalz_gr3_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2641, 0, 0, 0, SLU
 10, 78, 0, -2751, 0, 0, 0, SLU
 11, 78, 0, -2860, 0, 0, 0, SLU
 12, 0, 0, -2969, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T1] -----

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*LOADCOMB      ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE, nSEISTYPE      ; line
1
;      ANAL1, LCNAME1, FACT1, ...      ; from
line 2
  NAME=SLU_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, A1_SLU_gr1_Treno_T1, 1, ST, A1_SLU_gr2_Scarico_T1, 1
    ST, A1_SLU_gr3_Fre/avv_T1, 1, ST, A1_SLU_gr1+vento_T1, 1
    ST, A1_SLU_gr2+vento_T1, 1, ST, A1_SLU_gr3+vento_T1, 1
    ST, A1_SLU_vento_gr1_T1, 1, ST, A1_SLU_vento_gr2_T1, 1
    ST, A1_SLU_vento_gr3_T1, 1, ST, A1_SLU_Scalz_gr1_T1, 1
    ST, A1_SLU_Scalz_gr2_T1, 1, ST, A1_SLU_gr1_Treno_T2, 1
    ST, A1_SLU_gr2_Scarico_T2, 1, ST, A1_SLU_gr3_Fre/avv_T2, 1
    ST, A1_SLU_gr1+vento_T2, 1, ST, A1_SLU_gr2+vento_T2, 1
    ST, A1_SLU_gr3+vento_T2, 1, ST, A1_SLU_vento_gr1_T2, 1
    ST, A1_SLU_vento_gr2_T2, 1, ST, A1_SLU_vento_gr3_T2, 1
    ST, A1_SLU_Scalz_gr1_T2, 1, ST, A1_SLU_Scalz_gr2_T2, 1
    ST, A1_SLU_Scalz_gr3_T2, 1, ST, A1_SLU_gr1_Treno_T3, 1
    ST, A1_SLU_gr2_Scarico_T3, 1, ST, A1_SLU_gr3_Fre/avv_T3, 1
    ST, A1_SLU_gr1+vento_T3, 1, ST, A1_SLU_gr2+vento_T3, 1
    ST, A1_SLU_gr3+vento_T3, 1, ST, A1_SLU_vento_gr1_T3, 1
    ST, A1_SLU_vento_gr2_T3, 1, ST, A1_SLU_vento_gr3_T3, 1
    ST, A1_SLU_Scalz_gr1_T3, 1, ST, A1_SLU_Scalz_gr2_T3, 1
    ST, A1_SLU_Scalz_gr3_T3, 1, ST, A1_SLU_Scalz_gr3_T1, 1
  NAME=SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, E_103x_SLV_T1, 1, ST, E_103y_SLV_T1, 1, ST, E_103z_SLV_T1, 1
    ST, E_103x_SLV_T2, 1, ST, E_103y_SLV_T2, 1, ST, E_103z_SLV_T2, 1
    ST, E_103x_SLV_T3, 1, ST, E_103y_SLV_T3, 1, ST, E_103z_SLV_T3, 1
  NAME=SLE_rara_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, SLE_rar_gr1_Treno_T1, 1, ST, SLE_rar_gr2_Scarico_T1, 1
    ST, SLE_rar_gr3_Fre/avv_T1, 1, ST, SLE_rar_gr1+vento_T1, 1
    ST, SLE_rar_gr2+vento_T1, 1, ST, SLE_rar_gr3+vento_T1, 1
    ST, SLE_rar_vento_gr1_T1, 1, ST, SLE_rar_vento_gr2_T1, 1
    ST, SLE_rar_vento_gr3_T1, 1, ST, SLE_rar_gr1_Treno_T2, 1
    ST, SLE_rar_gr2_Scarico_T2, 1, ST, SLE_rar_gr3_Fre/avv_T2, 1
    ST, SLE_rar_gr1+vento_T2, 1, ST, SLE_rar_gr2+vento_T2, 1
    ST, SLE_rar_gr3+vento_T2, 1, ST, SLE_rar_vento_gr1_T2, 1
    ST, SLE_rar_vento_gr2_T2, 1, ST, SLE_rar_vento_gr3_T2, 1
    ST, SLE_rar_gr1_Treno_T3, 1, ST, SLE_rar_gr2_Scarico_T3, 1
    ST, SLE_rar_gr3_Fre/avv_T3, 1, ST, SLE_rar_gr1+vento_T3, 1
    ST, SLE_rar_gr2+vento_T3, 1, ST, SLE_rar_gr3+vento_T3, 1
    ST, SLE_rar_vento_gr1_T3, 1, ST, SLE_rar_vento_gr2_T3, 1
    ST, SLE_rar_vento_gr3_T3, 1
  NAME=SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, E_103x_SLD_T1, 1, ST, E_103y_SLD_T1, 1, ST, E_103z_SLD_T1, 1
    ST, E_103x_SLD_T2, 1, ST, E_103y_SLD_T2, 1, ST, E_103z_SLD_T2, 1
    ST, E_103x_SLD_T3, 1, ST, E_103y_SLD_T3, 1, ST, E_103z_SLD_T3, 1
  NAME=SLE_fess_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, SLE_rar_gr4_Centrif_T1, 1, ST, SLE_rar_gr4+vento_T1, 1
    ST, SLE_rar_vento_gr4_T1, 1, ST, SLE_rar_gr4_Centrif_T2, 1
    ST, SLE_rar_gr4+vento_T2, 1, ST, SLE_rar_vento_gr4_T2, 1
    ST, SLE_rar_gr4_Centrif_T3, 1, ST, SLE_rar_gr4+vento_T3, 1
    ST, SLE_rar_vento_gr4_T3, 1
  NAME=SLE_qp_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, SLE_qp_T1, 1, ST, SLE_qp_T2, 1, ST, SLE_qp_T3, 1
  NAME=SLU-SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    CB, SLU_Env, 1, CB, SLV_Env, 1
  NAME=SLE_r_SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    CB, SLE_rara_Env, 1, CB, SLD_Env, 1

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*LC-COLOR      ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
iG2(MAX), iB2(MAX)
ST, Al_SLU_gr1_Treno_T1, 160, 192, 255, 0, 128, 57, 192, 128, 0
ST, Al_SLU_gr2_Scarico_T1, 93, 255, 87, 146, 0, 255, 255, 160, 255
ST, Al_SLU_gr3_Fre/avv_T1, 255, 87, 128, 192, 128, 0, 192, 192, 0
ST, Al_SLU_gr1+vento_T1, 210, 210, 210, 255, 255, 87, 163, 160, 255
ST, Al_SLU_gr2+vento_T1, 0, 128, 192, 192, 128, 0, 163, 255, 160
ST, Al_SLU_gr3+vento_T1, 255, 255, 255, 192, 192, 0, 210, 210, 210
ST, Al_SLU_vento_gr1_T1, 160, 192, 255, 255, 87, 87, 0, 128, 255
ST, Al_SLU_vento_gr2_T1, 78, 0, 255, 255, 87, 87, 146, 0, 255
ST, Al_SLU_vento_gr3_T1, 0, 128, 255, 0, 192, 192, 85, 0, 192
ST, Al_SLU_Scalz_gr1_T1, 255, 0, 192, 192, 128, 0, 255, 255, 255
ST, Al_SLU_Scalz_gr2_T1, 0, 192, 192, 0, 128, 255, 0, 128, 128
ST, Al_SLU_gr1_Treno_T2, 255, 87, 87, 0, 192, 128, 255, 255, 87
ST, Al_SLU_gr2_Scarico_T2, 212, 160, 255, 255, 87, 128, 160, 255, 255
ST, Al_SLU_gr3_Fre/avv_T2, 255, 87, 128, 146, 0, 255, 163, 160, 255
ST, Al_SLU_gr1+vento_T2, 255, 255, 255, 160, 192, 255, 0, 192, 192
ST, Al_SLU_gr2+vento_T2, 0, 192, 192, 0, 157, 192, 255, 128, 0
ST, Al_SLU_gr3+vento_T2, 255, 87, 87, 192, 0, 128, 255, 87, 87
ST, Al_SLU_vento_gr1_T2, 210, 210, 210, 0, 192, 192, 192, 192, 192
ST, Al_SLU_vento_gr2_T2, 192, 192, 192, 85, 192, 0, 0, 128, 192
ST, Al_SLU_vento_gr3_T2, 0, 128, 128, 255, 192, 87, 192, 192, 0
ST, Al_SLU_Scalz_gr1_T2, 255, 192, 87, 255, 128, 0, 255, 0, 128
ST, Al_SLU_Scalz_gr2_T2, 85, 0, 192, 0, 128, 128, 255, 87, 87
ST, Al_SLU_Scalz_gr3_T2, 0, 157, 192, 255, 160, 255, 146, 0, 255
ST, Al_SLU_gr1_Treno_T3, 192, 192, 0, 0, 192, 192, 146, 0, 255
ST, Al_SLU_gr2_Scarico_T3, 192, 72, 0, 255, 128, 0, 163, 255, 160
ST, Al_SLU_gr3_Fre/avv_T3, 255, 128, 0, 210, 210, 210, 192, 128, 0
ST, Al_SLU_gr1+vento_T3, 255, 87, 128, 78, 0, 255, 148, 87, 255
ST, Al_SLU_gr2+vento_T3, 0, 157, 192, 255, 255, 87, 0, 128, 255
ST, Al_SLU_gr3+vento_T3, 255, 255, 255, 255, 128, 0, 255, 255, 255
ST, Al_SLU_vento_gr1_T3, 0, 128, 57, 255, 0, 192, 0, 128, 57
ST, Al_SLU_vento_gr2_T3, 210, 210, 210, 255, 87, 87, 163, 255, 160
ST, Al_SLU_vento_gr3_T3, 160, 192, 255, 85, 192, 0, 212, 160, 255
ST, Al_SLU_Scalz_gr1_T3, 212, 160, 255, 255, 87, 128, 192, 0, 192
ST, Al_SLU_Scalz_gr2_T3, 85, 0, 192, 0, 192, 128, 0, 128, 192
ST, Al_SLU_Scalz_gr3_T3, 128, 192, 0, 0, 128, 192, 255, 192, 87
ST, E_103x_SLV_T1, 163, 255, 160, 163, 160, 255, 255, 192, 160
ST, E_103y_SLV_T1, 255, 87, 128, 0, 128, 192, 255, 192, 160
ST, E_103z_SLV_T1, 192, 128, 0, 255, 192, 87, 0, 192, 128
ST, E_103x_SLV_T2, 146, 0, 255, 148, 87, 255, 78, 0, 255
ST, E_103y_SLV_T2, 210, 210, 210, 0, 128, 57, 0, 192, 128
ST, E_103z_SLV_T2, 85, 0, 192, 85, 192, 0, 0, 128, 255
ST, E_103x_SLV_T3, 128, 192, 0, 0, 128, 255, 148, 87, 255
ST, E_103y_SLV_T3, 0, 157, 192, 255, 160, 255, 192, 192, 0
ST, E_103z_SLV_T3, 163, 255, 160, 192, 192, 0, 0, 157, 192
ST, SLE_rar_gr1_Treno_T1, 192, 72, 0, 192, 192, 0, 0, 157, 192
ST, SLE_rar_gr2_Scarico_T1, 255, 192, 87, 85, 0, 192, 93, 255, 87
ST, SLE_rar_gr3_Fre/avv_T1, 146, 0, 255, 192, 128, 0, 192, 128, 0
ST, SLE_rar_gr1+vento_T1, 160, 255, 255, 192, 192, 192, 192, 0, 128
ST, SLE_rar_gr2+vento_T1, 192, 0, 128, 255, 0, 128, 255, 128, 0
ST, SLE_rar_gr3+vento_T1, 255, 87, 128, 255, 255, 255, 192, 128, 0
ST, SLE_rar_vento_gr1_T1, 192, 0, 192, 192, 72, 0, 93, 255, 87
ST, SLE_rar_vento_gr2_T1, 85, 192, 0, 163, 255, 160, 255, 192, 160
ST, SLE_rar_vento_gr3_T1, 255, 0, 128, 212, 160, 255, 0, 192, 128
ST, SLE_rar_gr1_Treno_T2, 255, 192, 87, 85, 192, 0, 0, 128, 255
ST, SLE_rar_gr2_Scarico_T2, 0, 192, 192, 163, 160, 255, 212, 160, 255
ST, SLE_rar_gr3_Fre/avv_T2, 192, 128, 0, 0, 128, 192, 0, 192, 128
ST, SLE_rar_gr1+vento_T2, 0, 157, 192, 255, 87, 128, 128, 192, 0
ST, SLE_rar_gr2+vento_T2, 0, 192, 128, 255, 128, 0, 163, 255, 160
ST, SLE_rar_gr3+vento_T2, 255, 87, 128, 93, 255, 87, 212, 160, 255
    
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	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Trav


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ST, SLE_rar_vento_gr1_T2, 0, 192, 128, 192, 0, 192, 255, 87, 87
ST, SLE_rar_vento_gr2_T2, 85, 192, 0, 160, 192, 255, 85, 0, 192
ST, SLE_rar_vento_gr3_T2, 148, 87, 255, 78, 0, 255, 255, 0, 192
ST, SLE_rar_gr1_Treno_T3, 93, 255, 87, 255, 0, 192, 255, 192, 160
ST, SLE_rar_gr2_Scarico_T3, 160, 192, 255, 0, 128, 128, 148, 87, 255
ST, SLE_rar_gr3_Fre/avv_T3, 210, 210, 210, 160, 255, 255, 160, 192, 255
ST, SLE_rar_gr1+vento_T3, 0, 128, 192, 93, 255, 87, 0, 128, 255
ST, SLE_rar_gr2+vento_T3, 255, 87, 128, 85, 0, 192, 255, 0, 128
ST, SLE_rar_gr3+vento_T3, 85, 0, 192, 160, 192, 255, 0, 192, 128
ST, SLE_rar_vento_gr1_T3, 192, 72, 0, 163, 255, 160, 255, 255, 255
ST, SLE_rar_vento_gr2_T3, 255, 0, 128, 0, 128, 57, 0, 192, 128
ST, SLE_rar_vento_gr3_T3, 192, 192, 192, 0, 128, 192, 255, 160, 255
ST, E_103x_SLD_T1, 192, 192, 192, 0, 128, 192, 0, 128, 57
ST, E_103y_SLD_T1, 85, 0, 192, 255, 0, 192, 0, 128, 57
ST, E_103z_SLD_T1, 212, 160, 255, 192, 192, 192, 255, 0, 128
ST, E_103x_SLD_T2, 0, 128, 192, 148, 87, 255, 148, 87, 255
ST, E_103y_SLD_T2, 255, 192, 87, 192, 128, 0, 212, 160, 255
ST, E_103z_SLD_T2, 0, 157, 192, 255, 255, 255, 146, 0, 255
ST, E_103x_SLD_T3, 255, 192, 87, 255, 255, 87, 255, 128, 0
ST, E_103y_SLD_T3, 160, 255, 255, 255, 192, 87, 255, 0, 192
ST, E_103z_SLD_T3, 0, 192, 128, 255, 160, 255, 255, 192, 87
ST, SLE_rar_gr4_Centrif_T1, 0, 128, 128, 0, 128, 255, 0, 192, 128
ST, SLE_rar_gr4+vento_T1, 255, 255, 87, 255, 255, 87, 148, 87, 255
ST, SLE_rar_vento_gr4_T1, 255, 255, 87, 255, 192, 87, 78, 0, 255
ST, SLE_rar_gr4_Centrif_T2, 163, 255, 160, 192, 192, 192, 192, 0, 192
ST, SLE_rar_gr4+vento_T2, 192, 72, 0, 192, 72, 0, 146, 0, 255
ST, SLE_rar_vento_gr4_T2, 255, 192, 160, 85, 192, 0, 78, 0, 255
ST, SLE_rar_gr4_Centrif_T3, 0, 192, 128, 255, 192, 87, 255, 87, 128
ST, SLE_rar_gr4+vento_T3, 146, 0, 255, 255, 255, 255, 85, 0, 192
ST, SLE_rar_vento_gr4_T3, 255, 128, 0, 85, 0, 192, 0, 128, 128
ST, SLE_qp_T1, 255, 255, 87, 192, 72, 0, 160, 192, 255
ST, SLE_qp_T2, 212, 160, 255, 0, 128, 255, 192, 192, 192
ST, SLE_qp_T3, 255, 87, 87, 212, 160, 255, 85, 0, 192
ST, Al_SLU_Scalz_gr3_T1, 255, 128, 0, 146, 0, 255, 93, 255, 87
CB, SLU_Env, 255, 0, 128, 192, 192, 0, 85, 192, 0
CB, SLV_Env, 148, 87, 255, 192, 0, 128, 255, 87, 87
CB, SLE_rara_Env, 85, 192, 0, 163, 255, 160, 255, 192, 87
CB, SLD_Env, 0, 128, 128, 85, 0, 192, 78, 0, 255
CB, SLE_fess_Env, 255, 87, 87, 210, 210, 210, 255, 255, 255
CB, SLE_qp_Env, 78, 0, 255, 192, 0, 192, 0, 128, 255
CB, SLU-SLV_Env, 255, 0, 192, 85, 0, 192, 255, 128, 0
ST, Prova_Verticali, 192, 72, 0, 93, 255, 87, 192, 192, 0
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CB, SLE_r_SLD_Env, 78, 0, 255, 192, 0, 192, 212, 160, 255
    
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*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1] ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC
; iMAT, TYPE, MNAME, [DATA5] ; STEEL(None) & KSCE-A
SD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
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, , 0, NO, 1, , , 0, 0, 0
    
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PROJECT TITLE :

Company		Client
		
Author	HP Inc.	File Name
		Pulvino CAP-CAP_Trasv


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PROJECT TITLE :

MIDAS	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv


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PROJECT TITLE :

		Company	Client
		Author	File Name
		HP Inc.	Pulvino CAP-CAP_Trasv

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.

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23, 1
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NO, YES, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO
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PROJECT TITLE :

	Company	Client
	Author	HP Inc.


Pulvino CAP-CAP_Trasv

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.


Pulvino CAP-CAP_Trasv

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PROJECT TITLE :

	Company	Client
	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Trasv


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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trav

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213, 1

PROJECT TITLE :

	Company	Client
	Author	File Name
	HP Inc.	Pulvino CAP-CAP_Trasv

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PROJECT TITLE :

MIDAS	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv

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PROJECT TITLE :

	Company	Client	
	Author	HP Inc.	File Name
			Pulvino CAP-CAP_Trasv


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*ENDDATA

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

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**      MIDAS/Civil V.8.9.5   Modeling, Integrated Design & Analysis Software
**
**      CIVIL STRUCTURE DESIGN SYSTEM
**
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        XXXX XXXX  XX  XX  XX  XX  XX  XX  XX
       XX XXX XX  XX  XX  XX  XX  XX  XX
      XX X  XX  XX  XX  XX  XXXXXXXX  XXXXXXXX
     XXX  XX  XXX  XXX  XX  XX  XX  XXX
    XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
   XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
  XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Civil

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VERSION 8.9.5

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ANALYSIS RESULT OUTPUT

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
A1_SLU~1	A1_SLU_gr1_Treno_T1	Static	
A1_SLU~2	A1_SLU_gr2_Scarico_T1	Static	
A1_SLU~3	A1_SLU_gr3_Fre_avv_T1	Static	
A1_SLU~4	A1_SLU_gr1+vento_T1	Static	
A1_SLU~5	A1_SLU_gr2+vento_T1	Static	
A1_SLU~6	A1_SLU_gr3+vento_T1	Static	
A1_SLU~7	A1_SLU_vento_gr1_T1	Static	
A1_SLU~8	A1_SLU_vento_gr2_T1	Static	
A1_SLU~9	A1_SLU_vento_gr3_T1	Static	
A1_SLU~0	A1_SLU_Scalz_gr1_T1	Static	
A1_SLU~1	A1_SLU_Scalz_gr2_T1	Static	
A1_SLU~2	A1_SLU_gr1_Treno_T2	Static	
A1_SLU~3	A1_SLU_gr2_Scarico_T2	Static	
A1_SLU~4	A1_SLU_gr3_Fre_avv_T2	Static	
A1_SLU~5	A1_SLU_gr1+vento_T2	Static	
A1_SLU~6	A1_SLU_gr2+vento_T2	Static	
A1_SLU~7	A1_SLU_gr3+vento_T2	Static	
A1_SLU~8	A1_SLU_vento_gr1_T2	Static	
A1_SLU~9	A1_SLU_vento_gr2_T2	Static	
A1_SLU~10	A1_SLU_vento_gr3_T2	Static	
A1_SLU~11	A1_SLU_Scalz_gr1_T2	Static	
A1_SLU~12	A1_SLU_Scalz_gr2_T2	Static	
A1_SLU~13	A1_SLU_Scalz_gr3_T2	Static	
A1_SLU~14	A1_SLU_gr1_Treno_T3	Static	
A1_SLU~15	A1_SLU_gr2_Scarico_T3	Static	
A1_SLU~16	A1_SLU_gr3_Fre_avv_T3	Static	
A1_SLU~17	A1_SLU_gr1+vento_T3	Static	
A1_SLU~18	A1_SLU_gr2+vento_T3	Static	
A1_SLU~19	A1_SLU_gr3+vento_T3	Static	
A1_SLU~20	A1_SLU_vento_gr1_T3	Static	
A1_SLU~21	A1_SLU_vento_gr2_T3	Static	
A1_SLU~22	A1_SLU_vento_gr3_T3	Static	
A1_SLU~23	A1_SLU_Scalz_gr1_T3	Static	
A1_SLU~24	A1_SLU_Scalz_gr2_T3	Static	
A1_SLU~25	A1_SLU_Scalz_gr3_T3	Static	
A1_SLU~26	A1_SLU_Scalz_gr3_T1	Static	
E_103x~1	E_103x_SLV_T1	Static	
E_103y~1	E_103y_SLV_T1	Static	
E_103z~1	E_103z_SLV_T1	Static	
E_103x~2	E_103x_SLV_T2	Static	
E_103y~2	E_103y_SLV_T2	Static	
E_103z~2	E_103z_SLV_T2	Static	
E_103x~3	E_103x_SLV_T3	Static	
E_103y~3	E_103y_SLV_T3	Static	
E_103z~3	E_103z_SLV_T3	Static	
SLE_ra~1	SLE_rar_gr1_Treno_T1	Static	
SLE_ra~2	SLE_rar_gr2_Scarico_T1	Static	
SLE_ra~3	SLE_rar_gr3_Fre_avv_T1	Static	
SLE_ra~4	SLE_rar_gr1+vento_T1	Static	
SLE_ra~5	SLE_rar_gr2+vento_T1	Static	
SLE_ra~6	SLE_rar_gr3+vento_T1	Static	
SLE_ra~7	SLE_rar_vento_gr1_T1	Static	
SLE_ra~8	SLE_rar_vento_gr2_T1	Static	
SLE_ra~9	SLE_rar_vento_gr3_T1	Static	
SLE_ra~0	SLE_rar_gr1_Treno_T2	Static	
SLE_ra~1	SLE_rar_gr2_Scarico_T2	Static	
SLE_ra~2	SLE_rar_gr3_Fre_avv_T2	Static	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

SLE_ra~3	SLE_rar_gr1+vento_T2	Static
SLE_ra~4	SLE_rar_gr2+vento_T2	Static
SLE_ra~5	SLE_rar_gr3+vento_T2	Static
SLE_ra~6	SLE_rar_vento_gr1_T2	Static
SLE_ra~7	SLE_rar_vento_gr2_T2	Static
SLE_ra~8	SLE_rar_vento_gr3_T2	Static
SLE_ra~9	SLE_rar_gr1_Treno_T3	Static
SLE_ra~10	SLE_rar_gr2_Scarico_T3	Static
SLE_ra~11	SLE_rar_gr3_Fre_avv_T3	Static
SLE_ra~12	SLE_rar_gr1+vento_T3	Static
SLE_ra~13	SLE_rar_gr2+vento_T3	Static
SLE_ra~14	SLE_rar_gr3+vento_T3	Static
SLE_ra~15	SLE_rar_vento_gr1_T3	Static
SLE_ra~16	SLE_rar_vento_gr2_T3	Static
SLE_ra~17	SLE_rar_vento_gr3_T3	Static
E_103x~4	E_103x_SLD_T1	Static
E_103y~4	E_103y_SLD_T1	Static
E_103z~4	E_103z_SLD_T1	Static
E_103x~5	E_103x_SLD_T2	Static
E_103y~5	E_103y_SLD_T2	Static
E_103z~5	E_103z_SLD_T2	Static
E_103x~6	E_103x_SLD_T3	Static
E_103y~6	E_103y_SLD_T3	Static
E_103z~6	E_103z_SLD_T3	Static
SLE_ra~18	SLE_rar_gr4_Centrif_T1	Static
SLE_ra~19	SLE_rar_gr4+vento_T1	Static
SLE_ra~20	SLE_rar_vento_gr4_T1	Static
SLE_ra~21	SLE_rar_gr4_Centrif_T2	Static
SLE_ra~22	SLE_rar_gr4+vento_T2	Static
SLE_ra~23	SLE_rar_vento_gr4_T2	Static
SLE_ra~24	SLE_rar_gr4_Centrif_T3	Static
SLE_ra~25	SLE_rar_gr4+vento_T3	Static
SLE_ra~26	SLE_rar_vento_gr4_T3	Static
SLE_qp~1	SLE_qp_T1	Static
SLE_qp~2	SLE_qp_T2	Static
SLE_qp~3	SLE_qp_T3	Static
SLE_ra~27	SLE_qp_T3	Gen.Envl
SLE_fe~1	SLE_fess_Env	Gen.Envl
SLE_qp~4	SLE_qp_Env	Gen.Envl
SLU-SL~1	SLU-SLV_Env	Gen.Envl
SLE_r ~1	SLE_r_SLD_Env	Gen.Envl

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>


[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 ,	Gen.Envl	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 ,
SLU~8 ,		1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 ,
SLU~2 ,		1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 ,
SLU~6 ,		1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 ,
SLU~10 ,		1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~10 ,
A1_SLU~14 ,		1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~14 ,
A1_SLU~18 ,		1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~18 ,

PROJECT TITLE :

MIDAS	Company	Client		
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output
A1_SLU~22 ,		1.000 x A1_SLU~19 ,	1.000 x A1_SLU~20 ,	1.000 x A1_SLU~21 , 1.000 x
A1_SLU~26		1.000 x A1_SLU~23 ,	1.000 x A1_SLU~24 ,	1.000 x A1_SLU~25 , 1.000 x
SLV_Env	Gen.Env1	1.000 x E_103x~1 ,	1.000 x E_103y~1 ,	1.000 x E_103z~1 , 1.000 x
E_103x~2 ,		1.000 x E_103y~2 ,	1.000 x E_103z~2 ,	1.000 x E_103x~3 , 1.000 x E_1
03y~3 ,		1.000 x E_103z~3		
SLE_ra~27	Gen.Env1	1.000 x SLE_ra~1 ,	1.000 x SLE_ra~2 ,	1.000 x SLE_ra~3 , 1.000 x
SLE_ra~4 ,		1.000 x SLE_ra~5 ,	1.000 x SLE_ra~6 ,	1.000 x SLE_ra~7 , 1.000 x SLE
_ra~8 ,		1.000 x SLE_ra~9 ,	1.000 x SLE_ra~0 ,	1.000 x SLE_ra~1 , 1.000 x SLE
_ra~2 ,		1.000 x SLE_ra~3 ,	1.000 x SLE_ra~4 ,	1.000 x SLE_ra~5 , 1.000 x SLE
_ra~6 ,		1.000 x SLE_ra~7 ,	1.000 x SLE_ra~8 ,	1.000 x SLE_ra~9 , 1.000 x SLE
_ra~10 ,		1.000 x SLE_ra~11 ,	1.000 x SLE_ra~12 ,	1.000 x SLE_ra~13 , 1.000 x
SLE_ra~14 ,		1.000 x SLE_ra~15 ,	1.000 x SLE_ra~16 ,	1.000 x SLE_ra~17
SLD_Env	Gen.Env1	1.000 x E_103x~4 ,	1.000 x E_103y~4 ,	1.000 x E_103z~4 , 1.000 x
E_103x~5 ,		1.000 x E_103y~5 ,	1.000 x E_103z~5 ,	1.000 x E_103x~6 , 1.000 x E_1
03y~6 ,		1.000 x E_103z~6		
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 ,	1.000 x SLE_ra~19 ,	1.000 x SLE_ra~20 , 1.000
x SLE_ra~21 ,		1.000 x SLE_ra~22 ,	1.000 x SLE_ra~23 ,	1.000 x SLE_ra~24 , 1.000 x
SLE_ra~25 ,		1.000 x SLE_ra~26		
SLE_qp~4	Gen.Env1	1.000 x SLE_qp~1 ,	1.000 x SLE_qp~2 ,	1.000 x SLE_qp~3
SLU-SL~1	Gen.Env1	1.000 x SLU_Env ,	1.000 x SLV_Env	
SLE r ~1	Gen.Env1	1.000 x SLE_ra~27 ,	1.000 x SLD_Env	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
--- No Abbreviation was defined in this Load Set. All names are less than 8 char.'s ---			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 , SLU~8 , SLU~2 , SLU~6 , SLU~10 , A1_SLU~14 , A1_SLU~18 , A1_SLU~22 , A1_SLU~26	Gen.Env1	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~19 , 1.000 x A1_SLU~20 , 1.000 x A1_SLU~21 , 1.000 x A1_SLU~23 , 1.000 x A1_SLU~24 , 1.000 x A1_SLU~25 , 1.000 x A1_SLU~26
SLV_Env E_103x~2 , 03y~3 ,	Gen.Env1	1.000 x E_103x~1 , 1.000 x E_103y~1 , 1.000 x E_103z~1 , 1.000 x E_103y~2 , 1.000 x E_103z~2 , 1.000 x E_103x~3 , 1.000 x E_103z~3
SLE_ra~27 SLE_ra~4 , _ra~8 , _ra~2 , _ra~6 , _ra~10 , SLE_ra~14 ,	Gen.Env1	1.000 x SLE_ra~1 , 1.000 x SLE_ra~2 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~6 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~0 , 1.000 x SLE_ra~1 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~4 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~8 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~11 , 1.000 x SLE_ra~12 , 1.000 x SLE_ra~13 , 1.000 x SLE_ra~15 , 1.000 x SLE_ra~16 , 1.000 x SLE_ra~17
SLD_Env E_103x~5 , 03y~6 ,	Gen.Env1	1.000 x E_103x~4 , 1.000 x E_103y~4 , 1.000 x E_103z~4 , 1.000 x E_103y~5 , 1.000 x E_103z~5 , 1.000 x E_103x~6 , 1.000 x E_103z~6
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 , 1.000 x SLE_ra~19 , 1.000 x SLE_ra~20 , 1.000


PROJECT TITLE :

	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino CAP-CAP_Trasv_output	

x SLE_ra~21 ,
 SLE_ra~25 ,
 SLE_qp~4 Gen.Envl
 SLU-SL~1 Gen.Envl
 SLE r ~1 Gen.Envl

1.000 x SLE_ra~22 , 1.000 x SLE_ra~23 , 1.000 x SLE_ra~24 , 1.000 x
 1.000 x SLE_ra~26
 1.000 x SLE_qp~1 , 1.000 x SLE_qp~2 , 1.000 x SLE_qp~3
 1.000 x SLU_Env , 1.000 x SLV_Env
 1.000 x SLE_ra~27 , 1.000 x SLD_Env

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	M
1	1	2	SLU_Env Max	I	-1289.1	0.0	192.7	0.0	23.1	
0.0				J	-1289.1	0.0	192.7	0.0	0.0	
0.0			Min	I	-2351.7	0.0	39.4	0.0	4.7	
0.0				J	-2351.7	0.0	39.4	0.0	0.0	
0.0			SLV_Env Max	I	98.4	0.0	919.2	0.0	110.3	
0.0				J	98.4	0.0	919.2	0.0	0.0	
0.0			Min	I	-1374.9	0.0	276.2	0.0	33.1	
0.0				J	-1374.9	0.0	276.2	0.0	0.0	
0.0			SLE_ra~2 Max	I	-912.4	0.0	131.5	0.0	15.8	
0.0				J	-912.4	0.0	131.5	0.0	0.0	
0.0			Min	I	-1642.5	0.0	45.3	0.0	5.4	
0.0				J	-1642.5	0.0	45.3	0.0	0.0	
0.0			SLD_Env Max	I	-244.7	0.0	616.9	0.0	74.0	
0.0				J	-244.7	0.0	616.9	0.0	0.0	
0.0			Min	I	-1203.9	0.0	185.2	0.0	22.2	
0.0				J	-1203.9	0.0	185.2	0.0	0.0	
0.0			SLE_fe~1 Max	I	-1000.3	0.0	95.4	0.0	11.4	
0.0				J	-1000.3	0.0	95.4	0.0	0.0	
0.0			Min	I	-1369.2	0.0	54.3	0.0	6.5	
0.0				J	-1369.2	0.0	54.3	0.0	0.0	
0.0			SLE_qp~4 Max	I	-1109.9	0.0	0.2	0.0	0.0	
0.0				J	-1109.9	0.0	0.2	0.0	0.0	
0.0			Min	I	-1109.9	0.0	0.2	0.0	0.0	
0.0				J	-1109.9	0.0	0.2	0.0	0.0	
0.0			SLU-SL~1 Max	I	98.4	0.0	919.2	0.0	110.3	
0.0				J	98.4	0.0	919.2	0.0	0.0	
0.0			Min	I	-2351.7	0.0	39.4	0.0	4.7	


PROJECT TITLE :

		Company			Client			
		Author	HP Inc.		File Name	Pulvino CAP-CAP_Trasv_output		
0.0			J	-2351.7	0.0	39.4	0.0	0.0
0.0		SLE_r~1 Max	I	-244.7	0.0	616.9	0.0	74.0
0.0			J	-244.7	0.0	616.9	0.0	0.0
0.0		Min	I	-1642.5	0.0	45.3	0.0	5.4
0.0			J	-1642.5	0.0	45.3	0.0	0.0
2	1	2 SLU_Env Max	I	-2333.5	0.0	-40.9	0.0	0.0
0.0			J	-2333.5	0.0	-40.9	0.0	23.4
0.0		Min	I	-3998.0	0.0	-194.7	0.0	0.0
0.0			J	-3998.0	0.0	-194.7	0.0	4.9
0.0		SLV_Env Max	I	-1251.5	0.0	-277.7	0.0	0.0
0.0			J	-1251.5	0.0	-277.7	0.0	110.5
0.0		Min	I	-2435.5	0.0	-920.5	0.0	0.0
0.0			J	-2435.5	0.0	-920.5	0.0	33.3
0.0		SLE_ra~2 Max	I	-1646.6	0.0	-46.4	0.0	0.0
0.0			J	-1646.6	0.0	-46.4	0.0	15.9
0.0		Min	I	-2786.7	0.0	-132.9	0.0	0.0
0.0			J	-2786.7	0.0	-132.9	0.0	5.6
0.0		SLD_Env Max	I	-1313.2	0.0	-186.4	0.0	0.0
0.0			J	-1313.2	0.0	-186.4	0.0	74.2
0.0		Min	I	-2066.5	0.0	-618.1	0.0	0.0
0.0			J	-2066.5	0.0	-618.1	0.0	22.4
0.0		SLE_fe~1 Max	I	-1861.3	0.0	-55.3	0.0	0.0
0.0			J	-1861.3	0.0	-55.3	0.0	11.6
0.0		Min	I	-2347.1	0.0	-96.6	0.0	0.0
0.0			J	-2347.1	0.0	-96.6	0.0	6.6
0.0		SLE_qp~4 Max	I	-1752.3	0.0	-1.2	0.0	0.0
0.0			J	-1752.3	0.0	-1.2	0.0	0.1
0.0		Min	I	-1752.3	0.0	-1.2	0.0	0.0
0.0			J	-1752.3	0.0	-1.2	0.0	0.1
0.0		SLU-SL~1 Max	I	-1251.5	0.0	-40.9	0.0	0.0
0.0			J	-1251.5	0.0	-40.9	0.0	110.5


PROJECT TITLE :

MIDAS		Company				Client					
		Author	HP Inc.			File Name	Pulvino CAP-CAP_Trasv_output				
0.0			Min	I	-3998.0	0.0	-920.5	0.0	0.0		
0.0				J	-3998.0	0.0	-920.5	0.0	4.9		
0.0			SLE_r~1	Max	I	-1313.2	0.0	-46.4	0.0	0.0	
0.0				J	-1313.2	0.0	-46.4	0.0	74.2		
0.0				Min	I	-2786.7	0.0	-618.1	0.0	0.0	
0.0				J	-2786.7	0.0	-618.1	0.0	5.6		
0.0	3	1	2	SLU_Env	Max	I	-2687.6	0.0	-41.3	0.0	0.0
0.0				J	-2687.6	0.0	-41.3	0.0	23.4		
0.0				Min	I	-4744.6	0.0	-195.2	0.0	0.0	
0.0				J	-4744.6	0.0	-195.2	0.0	5.0		
0.0				SLV_Env	Max	I	-2987.7	0.0	-278.1	0.0	0.0
0.0				J	-2987.7	0.0	-278.1	0.0	110.6		
0.0				Min	I	-3208.1	0.0	-921.4	0.0	0.0	
0.0				J	-3208.1	0.0	-921.4	0.0	33.4		
0.0				SLE_ra~2	Max	I	-1987.4	0.0	-46.7	0.0	0.0
0.0				J	-1987.4	0.0	-46.7	0.0	16.0		
0.0				Min	I	-3293.9	0.0	-133.3	0.0	0.0	
0.0				J	-3293.9	0.0	-133.3	0.0	5.6		
0.0				SLD_Env	Max	I	-2446.7	0.0	-186.7	0.0	0.0
0.0				J	-2446.7	0.0	-186.7	0.0	74.2		
0.0				Min	I	-2651.4	0.0	-618.7	0.0	0.0	
0.0				J	-2651.4	0.0	-618.7	0.0	22.4		
0.0				SLE_fe~1	Max	I	-2258.1	0.0	-55.6	0.0	0.0
0.0				J	-2258.1	0.0	-55.6	0.0	11.6		
0.0				Min	I	-2836.4	0.0	-97.0	0.0	0.0	
0.0				J	-2836.4	0.0	-97.0	0.0	6.7		
0.0				SLE_qp~4	Max	I	-1752.0	0.0	-1.4	0.0	0.0
0.0				J	-1752.0	0.0	-1.4	0.0	0.2		
0.0				Min	I	-1752.0	0.0	-1.4	0.0	0.0	
0.0				J	-1752.0	0.0	-1.4	0.0	0.2		


PROJECT TITLE :

		Company			Client			
		Author	HP Inc.		File Name	Pulvino CAP-CAP_Trasv_output		
0.0		SLU-SL~1 Max	I	-2687.6	0.0	-41.3	0.0	0.0
0.0			J	-2687.6	0.0	-41.3	0.0	110.6
0.0		Min	I	-4744.6	0.0	-921.4	0.0	0.0
0.0			J	-4744.6	0.0	-921.4	0.0	5.0
0.0		SLE r ~1 Max	I	-1987.4	0.0	-46.7	0.0	0.0
0.0			J	-1987.4	0.0	-46.7	0.0	74.2
0.0		Min	I	-3293.9	0.0	-618.7	0.0	0.0
0.0			J	-3293.9	0.0	-618.7	0.0	5.6
4	1	2 SLU_Env Max	I	-1795.9	0.0	197.9	0.0	23.7
0.0			J	-1795.9	0.0	197.9	0.0	0.0
0.0		Min	I	-3346.9	0.0	43.2	0.0	5.2
0.0			J	-3346.9	0.0	43.2	0.0	0.0
0.0		SLV_Env Max	I	-2158.2	0.0	923.3	0.0	110.8
0.0			J	-2158.2	0.0	923.3	0.0	0.0
0.0		Min	I	-3141.5	0.0	279.5	0.0	33.5
0.0			J	-3141.5	0.0	279.5	0.0	0.0
0.0		SLE_ra~2 Max	I	-1366.3	0.0	135.1	0.0	16.2
0.0			J	-1366.3	0.0	135.1	0.0	0.0
0.0		Min	I	-2319.0	0.0	48.4	0.0	5.8
0.0			J	-2319.0	0.0	48.4	0.0	0.0
0.0		SLD_Env Max	I	-1724.6	0.0	620.2	0.0	74.4
0.0			J	-1724.6	0.0	620.2	0.0	0.0
0.0		Min	I	-2441.3	0.0	187.9	0.0	22.6
0.0			J	-2441.3	0.0	187.9	0.0	0.0
0.0		SLE_fe~1 Max	I	-1577.7	0.0	98.6	0.0	11.8
0.0			J	-1577.7	0.0	98.6	0.0	0.0
0.0		Min	I	-1971.3	0.0	57.0	0.0	6.8
0.0			J	-1971.3	0.0	57.0	0.0	0.0
0.0		SLE_qp~4 Max	I	-1109.9	0.0	2.4	0.0	0.3
0.0			J	-1109.9	0.0	2.4	0.0	0.0
0.0		Min	I	-1109.9	0.0	2.4	0.0	0.3

PROJECT TITLE :

	Company			Client			
	Author	HP Inc.		File Name	Pulvino CAP-CAP_Trasv_output		
0.0		J	-1109.9	0.0	2.4	0.0	0.0
0.0	SIU-SL~1 Max	I	-1795.9	0.0	923.3	0.0	110.8
0.0		J	-1795.9	0.0	923.3	0.0	0.0
0.0	Min	I	-3346.9	0.0	43.2	0.0	5.2
0.0		J	-3346.9	0.0	43.2	0.0	0.0
0.0	SLE r ~1 Max	I	-1366.3	0.0	620.2	0.0	74.4
0.0		J	-1366.3	0.0	620.2	0.0	0.0
0.0	Min	I	-2441.3	0.0	48.4	0.0	5.8
0.0		J	-2441.3	0.0	48.4	0.0	0.0

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

Node	LC		FX	FY	FZ	MX	MY	MZ
1	SLU_Env	Max	-39.4	0.0	2351.7	0.0	-4.7	0.0
		Min	-192.7	0.0	1289.1	0.0	-23.1	0.0
	SLV_Env	Max	-276.2	0.0	1374.9	0.0	-33.1	0.0
		Min	-919.2	0.0	-98.4	0.0	-110.3	0.0
	SLE_ra~2	Max	-45.3	0.0	1642.5	0.0	-5.4	0.0
		Min	-131.5	0.0	912.4	0.0	-15.8	0.0
	SLD_Env	Max	-185.2	0.0	1203.9	0.0	-22.2	0.0
		Min	-616.9	0.0	244.7	0.0	-74.0	0.0
	SLE_fe~1	Max	-54.3	0.0	1369.2	0.0	-6.5	0.0
		Min	-95.4	0.0	1000.3	0.0	-11.4	0.0
	SLE_qp~4	Max	-0.2	0.0	1109.9	0.0	-0.0	0.0
		Min	-0.2	0.0	1109.9	0.0	-0.0	0.0
	SLU-SL~1	Max	-39.4	0.0	2351.7	0.0	-4.7	0.0
		Min	-919.2	0.0	-98.4	0.0	-110.3	0.0
SLE r ~1	Max	-45.3	0.0	1642.5	0.0	-5.4	0.0	
	Min	-616.9	0.0	244.7	0.0	-74.0	0.0	
2	SLU_Env	Max	-36.4	0.0	3998.2	0.0	-4.9	0.0
		Min	-190.2	0.0	2333.7	0.0	-23.4	0.0
	SLV_Env	Max	-274.3	0.0	2435.9	0.0	-33.3	0.0
		Min	-918.6	0.0	1252.8	0.0	-110.5	0.0
	SLE_ra~2	Max	-42.9	0.0	2786.9	0.0	-5.6	0.0
		Min	-129.8	0.0	1646.8	0.0	-15.9	0.0
	SLD_Env	Max	-183.5	0.0	2066.8	0.0	-22.4	0.0
		Min	-616.1	0.0	1314.1	0.0	-74.2	0.0
	SLE_fe~1	Max	-52.2	0.0	2347.2	0.0	-6.6	0.0
		Min	-93.5	0.0	1861.4	0.0	-11.6	0.0
	SLE_qp~4	Max	1.4	0.0	1752.3	0.0	-0.1	0.0
		Min	1.4	0.0	1752.3	0.0	-0.1	0.0
	SLU-SL~1	Max	-36.4	0.0	3998.2	0.0	-4.9	0.0
		Min	-918.6	0.0	1252.8	0.0	-110.5	0.0
SLE r ~1	Max	-42.9	0.0	2786.9	0.0	-5.6	0.0	
	Min	-616.1	0.0	1314.1	0.0	-74.2	0.0	
3	SLU_Env	Max	-36.5	0.0	4744.9	0.0	-5.0	0.0
		Min	-189.4	0.0	2687.7	0.0	-23.4	0.0
	SLV_Env	Max	-273.6	0.0	3208.5	0.0	-33.4	0.0
		Min	-917.0	0.0	2988.1	0.0	-110.6	0.0
	SLE_ra~2	Max	-42.8	0.0	3294.1	0.0	-5.6	0.0
		Min	-129.2	0.0	1987.5	0.0	-16.0	0.0
	SLD_Env	Max	-183.1	0.0	2652.3	0.0	-22.4	0.0
		Min	-614.9	0.0	2447.0	0.0	-74.2	0.0

PROJECT TITLE :


	Company		Client	
	Author		File Name	
		HP Inc.		Pulvino CAP-CAP_Trasv_output

	SLE_fe~1	Max	-52.2	0.0	2836.5	0.0	-6.7	0.0
		Min	-92.9	0.0	2258.2	0.0	-11.6	0.0
	SLE_qp~4	Max	1.2	0.0	1752.0	0.0	-0.2	0.0
		Min	1.2	0.0	1752.0	0.0	-0.2	0.0
	SLU-SL~1	Max	-36.5	0.0	4744.9	0.0	-5.0	0.0
		Min	-917.0	0.0	2687.7	0.0	-110.6	0.0
	SLE_r ~1	Max	-42.8	0.0	3294.1	0.0	-5.6	0.0
		Min	-614.9	0.0	1987.5	0.0	-74.2	0.0
4	SLU_Env	Max	-43.2	0.0	3346.9	0.0	-5.2	0.0
		Min	-197.9	0.0	1795.9	0.0	-23.7	0.0
	SLV_Env	Max	-279.5	0.0	3141.5	0.0	-33.5	0.0
		Min	-923.3	0.0	2158.2	0.0	-110.8	0.0
	SLE_ra~2	Max	-48.4	0.0	2319.0	0.0	-5.8	0.0
		Min	-135.1	0.0	1366.3	0.0	-16.2	0.0
	SLD_Env	Max	-187.9	0.0	2441.3	0.0	-22.6	0.0
		Min	-620.2	0.0	1724.6	0.0	-74.4	0.0
	SLE_fe~1	Max	-57.0	0.0	1971.3	0.0	-6.8	0.0
		Min	-98.6	0.0	1577.7	0.0	-11.8	0.0
	SLE_qp~4	Max	-2.4	0.0	1109.9	0.0	-0.3	0.0
		Min	-2.4	0.0	1109.9	0.0	-0.3	0.0
	SLU-SL~1	Max	-43.2	0.0	3346.9	0.0	-5.2	0.0
		Min	-923.3	0.0	1795.9	0.0	-110.8	0.0
	SLE_r ~1	Max	-48.4	0.0	2441.3	0.0	-5.8	0.0
		Min	-620.2	0.0	1366.3	0.0	-74.4	0.0

SUMMATION OF REACTION FORCES

LC	SUM-FX	SUM-FY	SUM-FZ
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

TRUSS ELEMENT FORCES DEFAULT PRINTOUT

Unit System : kN , m


ELEM	MAT	SEC	LC		FORCE-I	FORCE-J
5	1	1	SLU_Env	Max	1548.8	1548.8
				Min	962.6	962.6
			SLV_Env	Max	1127.0	1127.0
				Min	858.3	858.3
			SLE_ra~2	Max	1079.8	1079.8
				Min	677.4	677.4
			SLD_Env	Max	930.1	930.1
				Min	768.3	768.3
			SLE_fe~1	Max	920.1	920.1
				Min	695.7	695.7
			SLE_qp~4	Max	686.9	686.9
				Min	686.9	686.9
			SLU-SL~1	Max	1548.8	1548.8
				Min	858.3	858.3
SLE r ~1	Max	1079.8	1079.8			
	Min	677.4	677.4			
6	1	1	SLU_Env	Max	519.7	519.7
				Min	302.9	302.9
			SLV_Env	Max	882.7	882.7
				Min	369.2	369.2
			SLE_ra~2	Max	361.1	361.1
				Min	223.0	223.0
			SLD_Env	Max	618.5	618.5
				Min	277.1	277.1
			SLE_fe~1	Max	312.0	312.0
				Min	246.7	246.7
			SLE_qp~4	Max	199.2	199.2
				Min	199.2	199.2
			SLU-SL~1	Max	882.7	882.7
				Min	302.9	302.9
SLE r ~1	Max	618.5	618.5			
	Min	223.0	223.0			
7	1	1	SLU_Env	Max	1879.4	1879.4
				Min	1030.3	1030.3
			SLV_Env	Max	1328.1	1328.1
				Min	1056.4	1056.4
			SLE_ra~2	Max	1304.0	1304.0
				Min	753.3	753.3
			SLD_Env	Max	1045.9	1045.9
				Min	879.6	879.6
			SLE_fe~1	Max	1121.7	1121.7
				Min	905.3	905.3
			SLE_qp~4	Max	684.7	684.7
				Min	684.7	684.7
			SLU-SL~1	Max	1879.4	1879.4
				Min	1030.3	1030.3
SLE r ~1	Max	1304.0	1304.0			
	Min	753.3	753.3			
8	1	1	SLU_Env	Max	105.5	105.5
				Min	-67.4	-67.4
			SLV_Env	Max	963.2	963.2
				Min	163.2	163.2
			SLE_ra~2	Max	70.4	70.4
				Min	-43.0	-43.0
			SLD_Env	Max	622.7	622.7
				Min	87.9	87.9
			SLE_fe~1	Max	33.8	33.8
				Min	-22.8	-22.8
			SLE_qp~4	Max	-54.7	-54.7
				Min	-54.7	-54.7

PROJECT TITLE :

MIDAS	Company			Client
	Author	HP Inc.		File Name
				Pulvino CAP-CAP_Trasv_output

			Min	-54.7	-54.7	
		SLU-SL~1	Max	963.2	963.2	
			Min	-67.4	-67.4	
		SLE r ~1	Max	622.7	622.7	
			Min	-43.0	-43.0	
9	1	1	SLU_Env	Max	203.9	203.9
				Min	111.4	111.4
			SLV_Env	Max	192.5	192.5
				Min	112.4	112.4
			SLE_ra~2	Max	142.2	142.2
				Min	78.8	78.8
			SLD_Env	Max	159.1	159.1
				Min	79.4	79.4
			SLE_fe~1	Max	118.0	118.0
				Min	95.0	95.0
			SLE_qp~4	Max	90.7	90.7
				Min	90.7	90.7
			SLU-SL~1	Max	203.9	203.9
				Min	111.4	111.4
			SLE r ~1	Max	159.1	159.1
				Min	78.8	78.8
10	1	1	SLU_Env	Max	-159.4	-159.4
				Min	-398.0	-398.0
			SLV_Env	Max	-436.5	-436.5
				Min	-1246.2	-1246.2
			SLE_ra~2	Max	-148.8	-148.8
				Min	-273.4	-273.4
			SLD_Env	Max	-295.3	-295.3
				Min	-874.3	-874.3
			SLE_fe~1	Max	-145.4	-145.4
				Min	-212.2	-212.2
			SLE_qp~4	Max	-55.0	-55.0
				Min	-55.0	-55.0
			SLU-SL~1	Max	-159.4	-159.4
				Min	-1246.2	-1246.2
			SLE r ~1	Max	-148.8	-148.8
				Min	-874.3	-874.3
11	1	1	SLU_Env	Max	-1516.0	-1516.0
				Min	-2765.5	-2765.5
			SLV_Env	Max	115.8	115.8
				Min	-1616.8	-1616.8
			SLE_ra~2	Max	-1072.9	-1072.9
				Min	-1931.5	-1931.5
			SLD_Env	Max	-287.8	-287.8
				Min	-1415.7	-1415.7
			SLE_fe~1	Max	-1176.3	-1176.3
				Min	-1610.1	-1610.1
			SLE_qp~4	Max	-1305.2	-1305.2
				Min	-1305.2	-1305.2
			SLU-SL~1	Max	115.8	115.8
				Min	-2765.5	-2765.5
			SLE r ~1	Max	-287.8	-287.8
				Min	-1931.5	-1931.5
12	1	1	SLU_Env	Max	-1839.7	-1839.7
				Min	-3146.4	-3146.4
			SLV_Env	Max	-794.4	-794.4
				Min	-1920.8	-1920.8
			SLE_ra~2	Max	-1297.7	-1297.7
				Min	-2192.1	-2192.1
			SLD_Env	Max	-920.8	-920.8
				Min	-1634.1	-1634.1
			SLE_fe~1	Max	-1469.4	-1469.4
				Min	-1851.5	-1851.5
			SLE_qp~4	Max	-1357.1	-1357.1
				Min	-1357.1	-1357.1

PROJECT TITLE :

		Company	Client	
		Author		
		HP Inc.	Pulvino CAP-CAP_Trasv_output	

			SLU-SL~1	Max	-794.4	-794.4
				Min	-3146.4	-3146.4
			SLE r ~1	Max	-920.8	-920.8
				Min	-2192.1	-2192.1
13	1	1	SLU_Env	Max	-2070.4	-2070.4
				Min	-3629.0	-3629.0
			SLV_Env	Max	-2156.4	-2156.4
				Min	-2463.0	-2463.0
			SLE_ra~2	Max	-1526.5	-1526.5
				Min	-2520.1	-2520.1
			SLD_Env	Max	-1875.9	-1875.9
				Min	-2009.4	-2009.4
			SLE_fe~1	Max	-1728.4	-1728.4
				Min	-2173.3	-2173.3
			SLE_qp~4	Max	-1357.0	-1357.0
				Min	-1357.0	-1357.0
			SLU-SL~1	Max	-2070.4	-2070.4
				Min	-3629.0	-3629.0
			SLE r ~1	Max	-1526.5	-1526.5
				Min	-2520.1	-2520.1
14	1	1	SLU_Env	Max	-2112.2	-2112.2
				Min	-3936.3	-3936.3
			SLV_Env	Max	-2538.3	-2538.3
				Min	-3511.4	-3511.4
			SLE_ra~2	Max	-1606.9	-1606.9
				Min	-2727.4	-2727.4
			SLD_Env	Max	-2028.3	-2028.3
				Min	-2778.7	-2778.7
			SLE_fe~1	Max	-1855.6	-1855.6
				Min	-2318.4	-2318.4
			SLE_qp~4	Max	-1305.3	-1305.3
				Min	-1305.3	-1305.3
			SLU-SL~1	Max	-2112.2	-2112.2
				Min	-3936.3	-3936.3
			SLE r ~1	Max	-1606.9	-1606.9
				Min	-2778.7	-2778.7
15	1	1	SLU_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLV_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_ra~2	Max	0.0	0.0
				Min	0.0	0.0
			SLD_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_fe~1	Max	0.0	0.0
				Min	0.0	0.0
			SLE_qp~4	Max	0.0	0.0
				Min	0.0	0.0
			SLU-SL~1	Max	0.0	0.0
				Min	0.0	0.0
			SLE r ~1	Max	0.0	0.0
				Min	0.0	0.0
16	1	1	SLU_Env	Max	-981.9	-981.9
				Min	-1587.6	-1587.6
			SLV_Env	Max	-1011.4	-1011.4
				Min	-1137.3	-1137.3
			SLE_ra~2	Max	-692.2	-692.2
				Min	-1107.1	-1107.1
			SLD_Env	Max	-821.3	-821.3
				Min	-936.2	-936.2
			SLE_fe~1	Max	-716.3	-716.3
				Min	-940.6	-940.6
			SLE_qp~4	Max	-709.0	-709.0
				Min	-709.0	-709.0
			SLU-SL~1	Max	-981.9	-981.9

PROJECT TITLE :

MIDAS		Company			Client
		Author	HP Inc.		File Name
					Pulvino CAP-CAP_Trasv_output

			Min	-1587.6	-1587.6
		SLE r ~1	Max	-692.2	-692.2
			Min	-1107.1	-1107.1
17	1	1	SLU_Env	Max	-80.6
				Min	-321.7
			SLV_Env	Max	0.0
				Min	0.0
			SLE_ra~2	Max	-59.7
				Min	-224.7
			SLD_Env	Max	0.0
				Min	-21.1
			SLE_fe~1	Max	-131.6
				Min	-172.7
			SLE_qp~4	Max	-163.4
				Min	-163.4
			SLU-SL~1	Max	0.0
				Min	-321.7
			SLE r ~1	Max	0.0
				Min	-224.7
18	1	1	SLU_Env	Max	-299.4
				Min	-577.8
			SLV_Env	Max	-541.6
				Min	-1207.5
			SLE_ra~2	Max	-241.9
				Min	-399.6
			SLD_Env	Max	-394.2
				Min	-873.5
			SLE_fe~1	Max	-237.8
				Min	-330.1
			SLE_qp~4	Max	-163.0
				Min	-163.0
			SLU-SL~1	Max	-299.4
				Min	-1207.5
			SLE r ~1	Max	-241.9
				Min	-873.5
19	1	1	SLU_Env	Max	-1046.6
				Min	-1908.1
			SLV_Env	Max	-673.4
				Min	-1080.2
			SLE_ra~2	Max	-756.7
				Min	-1324.5
			SLD_Env	Max	-658.0
				Min	-914.2
			SLE_fe~1	Max	-916.8
				Min	-1134.1
			SLE_qp~4	Max	-709.0
				Min	-709.0
			SLU-SL~1	Max	-673.4
				Min	-1908.1
			SLE r ~1	Max	-658.0
				Min	-1324.5
20	1	1	SLU_Env	Max	0.0
				Min	0.0
			SLV_Env	Max	0.0
				Min	-433.7
			SLE_ra~2	Max	0.0
				Min	0.0
			SLD_Env	Max	0.0
				Min	-219.7
			SLE_fe~1	Max	0.0
				Min	0.0
			SLE_qp~4	Max	0.0
				Min	0.0
			SLU-SL~1	Max	0.0
				Min	-433.7

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

SLE r ~1 Max 0.0 0.0
Min -219.7 -219.7

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-CAP_Trasv_output

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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;-----
; MIDAS/Civil Text (MCT) File.
; Date : 2021/5/6
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*VERSION
8.9.5

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*UNIT ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
KN , M, BTU, C

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*PROJINFO ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX, CLIENT, TITLE, ENGINEER, EDATE
; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3, APPROVE, ADATE, COMMENT
; One Line per Data
USER=HP Inc.
ADDRESS=HP Inc.

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*STRUCTYPE ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB,
bROTTRIGID
1, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
NTC18(RC), B450C, ASTM(RC), Grade 60

```

```

*NODE ; Nodes
; iNO, X, Y, Z
1, 0, 0, 0
2, 3.19999000067097, -3.31136e-010, 0
3, 0, 0, 0.1200000000000001
4, 3.19999000066234, -3.31136e-010, 0.11999999999999969
5, 0.499995000141362, 0, 1.55585674981974
6, 2.59999999692342, -2.690492e-010, 1.55585674981975

```

```

*ELEMENT ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8 ; Solid Element
1, BEAM , 1, 2, 3, 1, 0, 0
2, BEAM , 1, 2, 4, 2, 0, 0
3, TRUSS , 1, 1, 4, 3, 0, 0
4, TRUSS , 1, 1, 6, 5, 0, 0
5, TRUSS , 1, 1, 3, 5, 0, 0
6, TRUSS , 1, 1, 4, 6, 0, 0
7, COMPTR, 1, 1, 6, 3, 0, 1, 0, 0, NO
8, COMPTR, 1, 1, 5, 4, 0, 1, 0, 0, NO

```

```

*GROUP ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
0 , , 1to8, 0


```

```

*LOAD-GROUP ; Load Group
; NAME
SLU
SLE_rara
SLD
SLE_fess

```


PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long


SLE_qp
SLV

```
*MATERIAL ; Material
; iMAT, TYPE, MNAME, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
; SRC
; [DATA1] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
; Orthotropic
; [DATA2] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN, MASS
, MASS
1, CONC , C32/40 , 0, 0, , C, NO, 0.05, 2, 3.3345e+007, 0.2, 1.0000e-005, 0, 0
```

```
*MATL-COLOR
; iMAT, W R, W G, W B, HF R, HF G, HF B, HE R, HE G, HE B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
```

```
*SECTION ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;
4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;
6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT
; SHAPE, ... (same with other type data from shape) ;
Before (STYPE1)
; SHAPE, ... (same with other type data from shape) ;
After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;

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PROJECT TITLE :


	Company		Client	
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1st line - COMPOSITE-B
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-I
;      Hw, tw, B1, tf1, B2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-TUB
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-CI/CT
;      OPT1, OPT2, [JOINT]
2nd line
;      [SIZE-A]
3rd line
;      [SIZE-B]
4th line
;      [SIZE-C]
5th line
;      [SIZE-D]
6th line
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb
7th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - PSC
;      OPT1, OPT2, [JOINT]
2nd line
;      bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE
3rd line
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]
4th line
;      bWE, [WARPING POINT]-i, [WARPING POINT]-j
5th line
;      [SIZE-A]
6th line
;      [SIZE-B]
7th line
;      [SIZE-C]
8th line
;      [SIZE-D]
9th line
;      [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
;      [DATA2] : CCSHAPE or iCEL or iN1, iN2
;      [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
;      [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
;      [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
;      [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
;      [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4

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PROJECT TITLE :

	Company		Client	
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; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0

```

```

*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

```

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*SECT-SCALE ; Section Stiffness Scale Factor
; iSEC, AREA_SF, ASY_SF, ASZ_SF, IXX_SF, IYY_SF, IZZ_SF, WGT_SF, GROUP, iPart, bDiffIJ
; line 1
; J1, J2, J3, J4, J5, J6, J7
; line 2 (bDiffIJ=YES)
2, 1e+007, 1, 1, 0.0001, 0.0001, 0.0001, 1, , 1, NO


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*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE ;
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line ;
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line ;
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC ;
; D1, D2, [SRC] ;
2nd line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 ;
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED ;
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB) ;
; [DIM1], [DIM2] ;
2nd line(STYPE=USER) ;
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE) ;
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;

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3rd line(STYPE=VALUE)
;      CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1      ;
4th line(STYPE=VALUE)
;      Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                    ;
5th line(STYPE=VALUE)
;      D21, D22, D23, D24, D25, D26, D27, D28                                ;
6th line(STYPE=VALUE)
;      AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                    ;
7th line(STYPE=VALUE)
;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2    ;
8th line(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                    ;
9th line(STYPE=VALUE)
;      OPT1, OPT2, [JOINT]                                                    ;
2nd line(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL                                        ;
2nd line(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
;      bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                       ;
3rd line(STYPE=PSC-CMPW)
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]     ;
4th line(STYPE=PSC)
;      [SIZE-A]-i                                                            ;
5th line(STYPE=PSC)
;      [SIZE-B]-i                                                            ;
6th line(STYPE=PSC)
;      [SIZE-C]-i                                                            ;
7th line(STYPE=PSC)
;      [SIZE-D]-i                                                            ;
8th line(STYPE=PSC)
;      [SIZE-A]-j                                                            ;
9th line(STYPE=PSC)
;      [SIZE-B]-j                                                            ;
10th line(STYPE=PSC)
;      [SIZE-C]-j                                                            ;
11th line(STYPE=PSC)
;      [SIZE-D]-j                                                            ;
12th line(STYPE=PSC)
;      GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S      ;
2nd line(STYPE=CMP-B/I)
;      SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i                ;
3rd line(STYPE=CMP-B/I)
;      SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j                ;
4th line(STYPE=CMP-B/I)
;      N1, N2, Hr, Hr2, tr1, tr2                                             ;
5th line(STYPE=CMP-B)
;      GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      ;
2nd line(STYPE=CMP-CI/CT)
;      OPT1, OPT2, [JOINT]                                                    ;
3rd line(STYPE=CMP-CI/CT)
;      [SIZE-A]-i                                                            ;
4th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-i                                                            ;
5th line(STYPE=CMP-CI/CT)
;      [SIZE-C]-i                                                            ;
6th line(STYPE=CMP-CI/CT)
;      [SIZE-D]-i                                                            ;
7th line(STYPE=CMP-CI/CT)
;      [SIZE-A]-j                                                            ;
8th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-j                                                            ;

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	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT ;
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1) ;
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2) ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B ;
; Hw, tw, B1, Bf1, B2, Bf2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I ;
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; [SIZE-A] ;
3rd line ;
; [SIZE-B] ;
4th line ;
; [SIZE-C] ;
5th line ;
; [SIZE-D] ;
6th line ;
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line ;
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;
4th line ;
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line ;
; [SIZE-A] ;
6th line ;
; [SIZE-B] ;

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER , Aste , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER , Appoggi , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0


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*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
A1_SLU_gr1_Treno_T1, USER,
A1_SLU_gr2_Scarico_T1, USER,
A1_SLU_gr3_Fre/avv_T1, USER,
A1_SLU_gr1+vento_T1, USER,
A1_SLU_gr2+vento_T1, USER,
A1_SLU_gr3+vento_T1, USER,
A1_SLU_vento_gr1_T1, USER,
A1_SLU_vento_gr2_T1, USER,
A1_SLU_vento_gr3_T1, USER,
A1_SLU_Scalz_gr1_T1, USER,
A1_SLU_Scalz_gr2_T1, USER,
A1_SLU_gr1_Treno_T2, USER,
A1_SLU_gr2_Scarico_T2, USER,
A1_SLU_gr3_Fre/avv_T2, USER,
A1_SLU_gr1+vento_T2, USER,
A1_SLU_gr2+vento_T2, USER,
A1_SLU_gr3+vento_T2, USER,
A1_SLU_vento_gr1_T2, USER,
A1_SLU_vento_gr2_T2, USER,
A1_SLU_vento_gr3_T2, USER,
A1_SLU_Scalz_gr1_T2, USER,
A1_SLU_Scalz_gr2_T2, USER,
A1_SLU_Scalz_gr3_T2, USER,
A1_SLU_gr1_Treno_T3, USER,
A1_SLU_gr2_Scarico_T3, USER,


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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

A1_SLU_gr3_Fre/avv_T3, USER,
 A1_SLU_gr1+vento_T3, USER,
 A1_SLU_gr2+vento_T3, USER,
 A1_SLU_gr3+vento_T3, USER,
 A1_SLU_vento_gr1_T3, USER,
 A1_SLU_vento_gr2_T3, USER,
 A1_SLU_vento_gr3_T3, USER,
 A1_SLU_Scalz_gr1_T3, USER,
 A1_SLU_Scalz_gr2_T3, USER,
 A1_SLU_Scalz_gr3_T3, USER,
 E_103x_SLV_T1, USER,
 E_103y_SLV_T1, USER,
 E_103z_SLV_T1, USER,
 E_103x_SLV_T2, USER,
 E_103y_SLV_T2, USER,
 E_103z_SLV_T2, USER,
 E_103x_SLV_T3, USER,
 E_103y_SLV_T3, USER,
 E_103z_SLV_T3, USER,
 SLE_rar_gr1_Treno_T1, USER,
 SLE_rar_gr2_Scarico_T1, USER,
 SLE_rar_gr3_Fre/avv_T1, USER,
 SLE_rar_gr1+vento_T1, USER,
 SLE_rar_gr2+vento_T1, USER,
 SLE_rar_gr3+vento_T1, USER,
 SLE_rar_vento_gr1_T1, USER,
 SLE_rar_vento_gr2_T1, USER,
 SLE_rar_vento_gr3_T1, USER,
 SLE_rar_gr1_Treno_T2, USER,
 SLE_rar_gr2_Scarico_T2, USER,
 SLE_rar_gr3_Fre/avv_T2, USER,
 SLE_rar_gr1+vento_T2, USER,
 SLE_rar_gr2+vento_T2, USER,
 SLE_rar_gr3+vento_T2, USER,
 SLE_rar_vento_gr1_T2, USER,
 SLE_rar_vento_gr2_T2, USER,
 SLE_rar_vento_gr3_T2, USER,
 SLE_rar_gr1_Treno_T3, USER,
 SLE_rar_gr2_Scarico_T3, USER,
 SLE_rar_gr3_Fre/avv_T3, USER,
 SLE_rar_gr1+vento_T3, USER,
 SLE_rar_gr2+vento_T3, USER,
 SLE_rar_gr3+vento_T3, USER,
 SLE_rar_vento_gr1_T3, USER,
 SLE_rar_vento_gr2_T3, USER,
 SLE_rar_vento_gr3_T3, USER,
 E_103x_SLD_T1, USER,
 E_103y_SLD_T1, USER,
 E_103z_SLD_T1, USER,
 E_103x_SLD_T2, USER,
 E_103y_SLD_T2, USER,
 E_103z_SLD_T2, USER,
 E_103x_SLD_T3, USER,
 E_103y_SLD_T3, USER,
 E_103z_SLD_T3, USER,
 SLE_rar_gr4_Centrif_T1, USER,
 SLE_rar_gr4+vento_T1, USER,
 SLE_rar_vento_gr4_T1, USER,
 SLE_rar_gr4_Centrif_T2, USER,
 SLE_rar_gr4+vento_T2, USER,
 SLE_rar_vento_gr4_T2, USER,
 SLE_rar_gr4_Centrif_T3, USER,

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

SLE_rar_gr4+vento_T3, USER,
 SLE_rar_vento_gr4_T3, USER,
 SLE_qp_T1, USER,
 SLE_qp_T2, USER,
 SLE_qp_T3, USER,
 A1_SLU_Scalz_gr3_T1, USER,

*CONSTRAINT ; Supports
 ; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
 1 2, 111111,

*USE-STLD, A1_SLU_gr1_Treno_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -12646, 0, 0, 0, SLU
 6, 2106, 0, -17485, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T1] -----

*USE-STLD, A1_SLU_gr2_Scarico_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8247, 0, 0, 0, SLU
 6, 167, 0, -11407, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T1] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -12256, 0, 0, 0, SLU
 6, 3669, 0, -17876, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T1] -----

*USE-STLD, A1_SLU_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -12727, 0, 0, 0, SLU
 6, 2286, 0, -18363, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T1] -----

*USE-STLD, A1_SLU_gr2+vento_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8328, 0, 0, 0, SLU
 6, 347, 0, -12285, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T1] -----

*USE-STLD, A1_SLU_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -12337, 0, 0, 0, SLU

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6, 3849, 0, -18753, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T1] -----

*USE-STLD, A1_SLU_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8104, 0, 0, 0, SLU
 6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T1] -----

*USE-STLD, A1_SLU_vento_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8104, 0, 0, 0, SLU
 6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T1] -----

*USE-STLD, A1_SLU_vento_gr3_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8104, 0, 0, 0, SLU
 6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T1] -----

*USE-STLD, A1_SLU_Scalz_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -10800, 0, 0, 0, SLU
 6, 1166, 0, -14788, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T1] -----

*USE-STLD, A1_SLU_Scalz_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8138, 0, 0, 0, SLU
 6, 93, 0, -11164, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T1] -----

*USE-STLD, A1_SLU_gr1_Treno_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8320, 0, 0, 0, SLU
 6, 1974, 0, -18145, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T2] -----

*USE-STLD, A1_SLU_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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5, 0, 0, -8247, 0, 0, 0, SLU
 6, 167, 0, -11407, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T2] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7929, 0, 0, 0, SLU
 6, 3537, 0, -18536, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T2] -----

*USE-STLD, A1_SLU_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8401, 0, 0, 0, SLU
 6, 2154, 0, -19023, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T2] -----

*USE-STLD, A1_SLU_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8328, 0, 0, 0, SLU
 6, 347, 0, -12285, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T2] -----

*USE-STLD, A1_SLU_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8010, 0, 0, 0, SLU
 6, 3717, 0, -19413, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T2] -----

*USE-STLD, A1_SLU_vento_gr1_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8104, 0, 0, 0, SLU
 6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T2] -----

*USE-STLD, A1_SLU_vento_gr2_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -8104, 0, 0, 0, SLU
 6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T2] -----

*USE-STLD, A1_SLU_vento_gr3_T2

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8104, 0, 0, 0, SLU
  6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T2] -----
*USE-STLD, A1_SLU_Scalz_gr1_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8196, 0, 0, 0, SLU
  6, 1118, 0, -15192, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T2] -----
*USE-STLD, A1_SLU_Scalz_gr2_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8138, 0, 0, 0, SLU
  6, 93, 0, -11164, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T2] -----
*USE-STLD, A1_SLU_Scalz_gr3_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7962, 0, 0, 0, SLU
  6, 2056, 0, -15426, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T2] -----
*USE-STLD, A1_SLU_gr1_Treno_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -10167, 0, 0, 0, SLU
  6, 1918, 0, -14736, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T3] -----
*USE-STLD, A1_SLU_gr2_Scarico_T3


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8247, 0, 0, 0, SLU
  6, 167, 0, -11407, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T3] -----
*USE-STLD, A1_SLU_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -9776, 0, 0, 0, SLU
  6, 3481, 0, -15127, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T3] -----
*USE-STLD, A1_SLU_gr1+vento_T3
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -10247, 0, 0, 0, SLU
   6, 2098, 0, -15613, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T3] -----
*USE-STLD, A1_SLU_gr2+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8328, 0, 0, 0, SLU
   6, 347, 0, -12285, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T3] -----
*USE-STLD, A1_SLU_gr3+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9857, 0, 0, 0, SLU
   6, 3660, 0, -16004, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T3] -----
*USE-STLD, A1_SLU_vento_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8104, 0, 0, 0, SLU
   6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T3] -----
*USE-STLD, A1_SLU_vento_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8104, 0, 0, 0, SLU
   6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T3] -----
*USE-STLD, A1_SLU_vento_gr3_T3


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8104, 0, 0, 0, SLU
   6, 300, 0, -12266, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T3] -----
*USE-STLD, A1_SLU_Scalz_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9301, 0, 0, 0, SLU
   6, 1098, 0, -13150, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T3] -----
*USE-STLD, A1_SLU_Scalz_gr2_T3
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8138, 0, 0, 0, SLU
    6, 93, 0, -11164, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -9067, 0, 0, 0, SLU
    6, 2035, 0, -13384, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T3] -----

*USE-STLD, E_103x_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5705, 0, 0, 0, SLV
    6, 9765, 0, -10719, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T1] -----

*USE-STLD, E_103y_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7399, 0, 0, 0, SLV
    6, 2988, 0, -9025, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T1] -----

*USE-STLD, E_103z_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -9359, 0, 0, 0, SLV
    6, 2988, 0, -10985, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T1] -----

*USE-STLD, E_103x_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5106, 0, 0, 0, SLV
    6, 9755, 0, -10812, 0, 0, 0, SLV


; End of data for load case [E_103x_SLV_T2] -----

*USE-STLD, E_103y_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6801, 0, 0, 0, SLV
    6, 2978, 0, -9118, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T2] -----
    
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*USE-STLD, E_103z_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8761, 0, 0, 0, SLV
   6, 2978, 0, -11078, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T2] -----

*USE-STLD, E_103x_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5360, 0, 0, 0, SLV
   6, 9751, 0, -10343, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T3] -----

*USE-STLD, E_103y_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7054, 0, 0, 0, SLV
   6, 2974, 0, -8648, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T3] -----

*USE-STLD, E_103z_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9015, 0, 0, 0, SLV
   6, 2974, 0, -10609, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T3] -----

*USE-STLD, SLE_rar_gr1_Treno_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8881, 0, 0, 0, SLE_rara
   6, 1329, 0, -12129, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T1] -----

*USE-STLD, SLE_rar_gr2_Scarico_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5826, 0, 0, 0, SLE_rara
   6, 78, 0, -7959, 0, 0, 0, SLE_rara


; End of data for load case [SLE_rar_gr2_Scarico_T1] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8612, 0, 0, 0, SLE_rara
   6, 2406, 0, -12399, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T1] -----
    
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*USE-STLD, SLE_rar_gr1+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8935, 0, 0, 0, SLE_rara
    6, 1449, 0, -12714, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T1] -----

*USE-STLD, SLE_rar_gr2+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5880, 0, 0, 0, SLE_rara
    6, 198, 0, -8544, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T1] -----

*USE-STLD, SLE_rar_gr3+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8666, 0, 0, 0, SLE_rara
    6, 2526, 0, -12983, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr1_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5715, 0, 0, 0, SLE_rara
    6, 200, 0, -8527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T1] -----

*USE-STLD, SLE_rar_vento_gr2_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5715, 0, 0, 0, SLE_rara
    6, 200, 0, -8527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T1] -----

*USE-STLD, SLE_rar_vento_gr3_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5715, 0, 0, 0, SLE_rara
    6, 200, 0, -8527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T1] -----

*USE-STLD, SLE_rar_gr1_Treno_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5890, 0, 0, 0, SLE_rara
    6, 1268, 0, -12592, 0, 0, 0, SLE_rara
    
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; End of data for load case [SLE_rar_gr1_Treno_T2] -----

*USE-STLD, SLE_rar_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5826, 0, 0, 0, SLE_rara
 6, 78, 0, -7959, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T2] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5621, 0, 0, 0, SLE_rara
 6, 2346, 0, -12861, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T2] -----

*USE-STLD, SLE_rar_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5944, 0, 0, 0, SLE_rara
 6, 1388, 0, -13177, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T2] -----

*USE-STLD, SLE_rar_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5880, 0, 0, 0, SLE_rara
 6, 198, 0, -8544, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T2] -----

*USE-STLD, SLE_rar_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5675, 0, 0, 0, SLE_rara
 6, 2465, 0, -13446, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr1_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5715, 0, 0, 0, SLE_rara
 6, 200, 0, -8527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T2] -----

*USE-STLD, SLE_rar_vento_gr2_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5715, 0, 0, 0, SLE_rara
 6, 200, 0, -8527, 0, 0, 0, SLE_rara

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; End of data for load case [SLE_rar_vento_gr2_T2] -----

*USE-STLD, SLE_rar_vento_gr3_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5715, 0, 0, 0, SLE_rara
 6, 200, 0, -8527, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T2] -----

*USE-STLD, SLE_rar_gr1_Treno_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7160, 0, 0, 0, SLE_rara
 6, 1242, 0, -10244, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T3] -----

*USE-STLD, SLE_rar_gr2_Scarico_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5826, 0, 0, 0, SLE_rara
 6, 78, 0, -7959, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T3] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6891, 0, 0, 0, SLE_rara
 6, 2320, 0, -10514, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T3] -----

*USE-STLD, SLE_rar_gr1+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7214, 0, 0, 0, SLE_rara
 6, 1362, 0, -10829, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T3] -----

*USE-STLD, SLE_rar_gr2+vento_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5880, 0, 0, 0, SLE_rara
 6, 198, 0, -8544, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T3] -----

*USE-STLD, SLE_rar_gr3+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6945, 0, 0, 0, SLE_rara

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6, 2440, 0, -11098, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_gr3+vento_T3] -----
*USE-STLD, SLE_rar_vento_gr1_T3
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5715, 0, 0, 0, SLE_rara
6, 200, 0, -8527, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_vento_gr1_T3] -----
*USE-STLD, SLE_rar_vento_gr2_T3
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5715, 0, 0, 0, SLE_rara
6, 200, 0, -8527, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_vento_gr2_T3] -----
*USE-STLD, SLE_rar_vento_gr3_T3
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5715, 0, 0, 0, SLE_rara
6, 200, 0, -8527, 0, 0, 0, SLE_rara
; End of data for load case [SLE_rar_vento_gr3_T3] -----
*USE-STLD, E_103x_SLD_T1
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -5881, 0, 0, 0, SLD
6, 6578, 0, -9302, 0, 0, 0, SLD
; End of data for load case [E_103x_SLD_T1] -----
*USE-STLD, E_103y_SLD_T1
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -7018, 0, 0, 0, SLD
6, 2032, 0, -8165, 0, 0, 0, SLD
; End of data for load case [E_103y_SLD_T1] -----
*USE-STLD, E_103z_SLD_T1
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
5, 0, 0, -7530, 0, 0, 0, SLD
6, 2032, 0, -8678, 0, 0, 0, SLD
; End of data for load case [E_103z_SLD_T1] -----
*USE-STLD, E_103x_SLD_T2
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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5, 0, 0, -5283, 0, 0, 0, SLD
 6, 6568, 0, -9395, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T2] -----

*USE-STLD, E_103y_SLD_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6419, 0, 0, 0, SLD
 6, 2022, 0, -8258, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T2] -----

*USE-STLD, E_103z_SLD_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6931, 0, 0, 0, SLD
 6, 2022, 0, -8771, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T2] -----

*USE-STLD, E_103x_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5536, 0, 0, 0, SLD
 6, 6564, 0, -8925, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T3] -----

*USE-STLD, E_103y_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6673, 0, 0, 0, SLD
 6, 2018, 0, -7789, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T3] -----

*USE-STLD, E_103z_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7185, 0, 0, 0, SLD
 6, 2018, 0, -8301, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T3] -----

*USE-STLD, SLE_rar_gr4_Centrif_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7411, 0, 0, 0, SLE_fess
 6, 1469, 0, -10466, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T1] -----

*USE-STLD, SLE_rar_gr4+vento_T1

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7465, 0, 0, 0, SLE_fess
  6, 1589, 0, -11051, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T1] -----
*USE-STLD, SLE_rar_vento_gr4_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5715, 0, 0, 0, SLE_fess
  6, 200, 0, -8527, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T1] -----
*USE-STLD, SLE_rar_gr4_Centrif_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5616, 0, 0, 0, SLE_fess
  6, 1433, 0, -10744, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T2] -----
*USE-STLD, SLE_rar_gr4+vento_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5670, 0, 0, 0, SLE_fess
  6, 1552, 0, -11329, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T2] -----
*USE-STLD, SLE_rar_vento_gr4_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5715, 0, 0, 0, SLE_fess
  6, 200, 0, -8527, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T2] -----
*USE-STLD, SLE_rar_gr4_Centrif_T3


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6378, 0, 0, 0, SLE_fess
  6, 1417, 0, -9335, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T3] -----
*USE-STLD, SLE_rar_gr4+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6432, 0, 0, 0, SLE_fess
  6, 1537, 0, -9920, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T3] -----
*USE-STLD, SLE_rar_vento_gr4_T3
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5715, 0, 0, 0, SLE_fess
    6, 200, 0, -8527, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T3] -----

*USE-STLD, SLE_qp_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5612, 0, 0, 0, SLE_qp
    6, 53, 0, -7565, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T1] -----

*USE-STLD, SLE_qp_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5612, 0, 0, 0, SLE_qp
    6, 53, 0, -7565, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T2] -----

*USE-STLD, SLE_qp_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5612, 0, 0, 0, SLE_qp
    6, 53, 0, -7565, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T3] -----


*USE-STLD, A1_SLU_Scalz_gr3_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -10566, 0, 0, 0, SLU
    6, 2103, 0, -15023, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T1] -----

*LOADCOMB     ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE, nSEISTYPE ; line
1
; ANAL1, LCNAME1, FACT1, ... ; from
line 2
    NAME=SLU_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
        ST, A1_SLU_gr1_Treno_T1, 1, ST, A1_SLU_gr2_Scarico_T1, 1
        ST, A1_SLU_gr3_Fre/avv_T1, 1, ST, A1_SLU_gr1+vento_T1, 1
        ST, A1_SLU_gr2+vento_T1, 1, ST, A1_SLU_gr3+vento_T1, 1
        ST, A1_SLU_vento_gr1_T1, 1, ST, A1_SLU_vento_gr2_T1, 1
        ST, A1_SLU_vento_gr3_T1, 1, ST, A1_SLU_Scalz_gr1_T1, 1
        ST, A1_SLU_Scalz_gr2_T1, 1, ST, A1_SLU_gr1_Treno_T2, 1
        ST, A1_SLU_gr2_Scarico_T2, 1, ST, A1_SLU_gr3_Fre/avv_T2, 1
        ST, A1_SLU_gr1+vento_T2, 1, ST, A1_SLU_gr2+vento_T2, 1
        ST, A1_SLU_gr3+vento_T2, 1, ST, A1_SLU_vento_gr1_T2, 1
        ST, A1_SLU_vento_gr2_T2, 1, ST, A1_SLU_vento_gr3_T2, 1
        ST, A1_SLU_Scalz_gr1_T2, 1, ST, A1_SLU_Scalz_gr2_T2, 1
        ST, A1_SLU_Scalz_gr3_T2, 1, ST, A1_SLU_gr1_Treno_T3, 1
    
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ST, A1_SLU_gr2_Scarico_T3, 1, ST, A1_SLU_gr3_Fre/avv_T3, 1
ST, A1_SLU_gr1+vento_T3, 1, ST, A1_SLU_gr2+vento_T3, 1
ST, A1_SLU_gr3+vento_T3, 1, ST, A1_SLU_vento_gr1_T3, 1
ST, A1_SLU_vento_gr2_T3, 1, ST, A1_SLU_vento_gr3_T3, 1
ST, A1_SLU_Scalz_gr1_T3, 1, ST, A1_SLU_Scalz_gr2_T3, 1
ST, A1_SLU_Scalz_gr3_T3, 1, ST, A1_SLU_Scalz_gr3_T1, 1
NAME=SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLV_T1, 1, ST, E_103y_SLV_T1, 1, ST, E_103z_SLV_T1, 1
ST, E_103x_SLV_T2, 1, ST, E_103y_SLV_T2, 1, ST, E_103z_SLV_T2, 1
ST, E_103x_SLV_T3, 1, ST, E_103y_SLV_T3, 1, ST, E_103z_SLV_T3, 1
NAME=SLE_rara_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr1_Treno_T1, 1, ST, SLE_rar_gr2_Scarico_T1, 1
ST, SLE_rar_gr3_Fre/avv_T1, 1, ST, SLE_rar_gr1+vento_T1, 1
ST, SLE_rar_gr2+vento_T1, 1, ST, SLE_rar_gr3+vento_T1, 1
ST, SLE_rar_vento_gr1_T1, 1, ST, SLE_rar_vento_gr2_T1, 1
ST, SLE_rar_vento_gr3_T1, 1, ST, SLE_rar_gr1_Treno_T2, 1
ST, SLE_rar_gr2_Scarico_T2, 1, ST, SLE_rar_gr3_Fre/avv_T2, 1
ST, SLE_rar_gr1+vento_T2, 1, ST, SLE_rar_gr2+vento_T2, 1
ST, SLE_rar_gr3+vento_T2, 1, ST, SLE_rar_vento_gr1_T2, 1
ST, SLE_rar_vento_gr2_T2, 1, ST, SLE_rar_vento_gr3_T2, 1
ST, SLE_rar_gr1_Treno_T3, 1, ST, SLE_rar_gr2_Scarico_T3, 1
ST, SLE_rar_gr3_Fre/avv_T3, 1, ST, SLE_rar_gr1+vento_T3, 1
ST, SLE_rar_gr2+vento_T3, 1, ST, SLE_rar_gr3+vento_T3, 1
ST, SLE_rar_vento_gr1_T3, 1, ST, SLE_rar_vento_gr2_T3, 1
ST, SLE_rar_vento_gr3_T3, 1
NAME=SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLD_T1, 1, ST, E_103y_SLD_T1, 1, ST, E_103z_SLD_T1, 1
ST, E_103x_SLD_T2, 1, ST, E_103y_SLD_T2, 1, ST, E_103z_SLD_T2, 1
ST, E_103x_SLD_T3, 1, ST, E_103y_SLD_T3, 1, ST, E_103z_SLD_T3, 1
NAME=SLE_fess_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr4_Centrif_T1, 1, ST, SLE_rar_gr4+vento_T1, 1
ST, SLE_rar_vento_gr4_T1, 1, ST, SLE_rar_gr4_Centrif_T2, 1
ST, SLE_rar_gr4+vento_T2, 1, ST, SLE_rar_vento_gr4_T2, 1
ST, SLE_rar_gr4_Centrif_T3, 1, ST, SLE_rar_gr4+vento_T3, 1
ST, SLE_rar_vento_gr4_T3, 1
NAME=SLE_qp_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_qp_T1, 1, ST, SLE_qp_T2, 1, ST, SLE_qp_T3, 1
NAME=SLU-SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLU_Env, 1, CB, SLV_Env, 1
NAME=SLE-SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLE_rara_Env, 1, CB, SLD_Env, 1

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*LC-COLOR ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
iG2(MAX), iB2(MAX)


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ST, A1_SLU_gr1_Treno_T1, 160, 192, 255, 0, 128, 57, 192, 128, 0
ST, A1_SLU_gr2_Scarico_T1, 93, 255, 87, 146, 0, 255, 255, 160, 255
ST, A1_SLU_gr3_Fre/avv_T1, 255, 87, 128, 192, 128, 0, 192, 192, 0
ST, A1_SLU_gr1+vento_T1, 210, 210, 210, 255, 255, 87, 163, 160, 255
ST, A1_SLU_gr2+vento_T1, 0, 128, 192, 192, 128, 0, 163, 255, 160
ST, A1_SLU_gr3+vento_T1, 255, 255, 255, 192, 192, 0, 210, 210, 210
ST, A1_SLU_vento_gr1_T1, 160, 192, 255, 255, 87, 87, 0, 128, 255
ST, A1_SLU_vento_gr2_T1, 78, 0, 255, 255, 87, 87, 146, 0, 255
ST, A1_SLU_vento_gr3_T1, 0, 128, 255, 0, 192, 192, 85, 0, 192
ST, A1_SLU_Scalz_gr1_T1, 255, 0, 192, 192, 128, 0, 255, 255, 255
ST, A1_SLU_Scalz_gr2_T1, 0, 192, 192, 0, 128, 255, 0, 128, 128
ST, A1_SLU_gr1_Treno_T2, 255, 87, 87, 0, 192, 128, 255, 255, 87
ST, A1_SLU_gr2_Scarico_T2, 212, 160, 255, 255, 87, 128, 160, 255, 255
ST, A1_SLU_gr3_Fre/avv_T2, 255, 87, 128, 146, 0, 255, 163, 160, 255
ST, A1_SLU_gr1+vento_T2, 255, 255, 255, 160, 192, 255, 0, 192, 192
ST, A1_SLU_gr2+vento_T2, 0, 192, 192, 0, 157, 192, 255, 128, 0
ST, A1_SLU_gr3+vento_T2, 255, 87, 87, 192, 0, 128, 255, 87, 87


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ST, A1_SLU_vento_gr1_T2, 210, 210, 210, 0, 192, 192, 192, 192, 192
 ST, A1_SLU_vento_gr2_T2, 192, 192, 192, 85, 192, 0, 0, 128, 192
 ST, A1_SLU_vento_gr3_T2, 0, 128, 128, 255, 192, 87, 192, 192, 0
 ST, A1_SLU_Scalz_gr1_T2, 255, 192, 87, 255, 128, 0, 255, 0, 128
 ST, A1_SLU_Scalz_gr2_T2, 85, 0, 192, 0, 128, 128, 255, 87, 87
 ST, A1_SLU_Scalz_gr3_T2, 0, 157, 192, 255, 160, 255, 146, 0, 255
 ST, A1_SLU_gr1_Treno_T3, 192, 192, 0, 0, 192, 192, 146, 0, 255
 ST, A1_SLU_gr2_Scarico_T3, 192, 72, 0, 255, 128, 0, 163, 255, 160
 ST, A1_SLU_gr3_Fre/avv_T3, 255, 128, 0, 210, 210, 210, 192, 128, 0
 ST, A1_SLU_gr1+vento_T3, 255, 87, 128, 78, 0, 255, 148, 87, 255
 ST, A1_SLU_gr2+vento_T3, 0, 157, 192, 255, 255, 87, 0, 128, 255
 ST, A1_SLU_gr3+vento_T3, 255, 255, 255, 255, 128, 0, 255, 255, 255
 ST, A1_SLU_vento_gr1_T3, 0, 128, 57, 255, 0, 192, 0, 128, 57
 ST, A1_SLU_vento_gr2_T3, 210, 210, 210, 255, 87, 87, 163, 255, 160
 ST, A1_SLU_vento_gr3_T3, 160, 192, 255, 85, 192, 0, 212, 160, 255
 ST, A1_SLU_Scalz_gr1_T3, 212, 160, 255, 255, 87, 128, 192, 0, 192
 ST, A1_SLU_Scalz_gr2_T3, 85, 0, 192, 0, 192, 128, 0, 128, 192
 ST, A1_SLU_Scalz_gr3_T3, 128, 192, 0, 0, 128, 192, 255, 192, 87
 ST, E_103x_SLV_T1, 163, 255, 160, 163, 160, 255, 255, 192, 160
 ST, E_103y_SLV_T1, 255, 87, 128, 0, 128, 192, 255, 192, 160
 ST, E_103z_SLV_T1, 192, 128, 0, 255, 192, 87, 0, 192, 128
 ST, E_103x_SLV_T2, 146, 0, 255, 148, 87, 255, 78, 0, 255
 ST, E_103y_SLV_T2, 210, 210, 210, 0, 128, 57, 0, 192, 128
 ST, E_103z_SLV_T2, 85, 0, 192, 85, 192, 0, 0, 128, 255
 ST, E_103x_SLV_T3, 128, 192, 0, 0, 128, 255, 148, 87, 255
 ST, E_103y_SLV_T3, 0, 157, 192, 255, 160, 255, 192, 192, 0
 ST, E_103z_SLV_T3, 163, 255, 160, 192, 192, 0, 0, 157, 192
 ST, SLE_rar_gr1_Treno_T1, 192, 72, 0, 192, 192, 0, 0, 157, 192
 ST, SLE_rar_gr2_Scarico_T1, 255, 192, 87, 85, 0, 192, 93, 255, 87
 ST, SLE_rar_gr3_Fre/avv_T1, 146, 0, 255, 192, 128, 0, 192, 128, 0
 ST, SLE_rar_gr1+vento_T1, 160, 255, 255, 192, 192, 192, 192, 0, 128
 ST, SLE_rar_gr2+vento_T1, 192, 0, 128, 255, 0, 128, 255, 128, 0
 ST, SLE_rar_gr3+vento_T1, 255, 87, 128, 255, 255, 255, 192, 128, 0
 ST, SLE_rar_vento_gr1_T1, 192, 0, 192, 192, 72, 0, 93, 255, 87
 ST, SLE_rar_vento_gr2_T1, 85, 192, 0, 163, 255, 160, 255, 192, 160
 ST, SLE_rar_vento_gr3_T1, 255, 0, 128, 212, 160, 255, 0, 192, 128
 ST, SLE_rar_gr1_Treno_T2, 255, 192, 87, 85, 192, 0, 0, 128, 255
 ST, SLE_rar_gr2_Scarico_T2, 0, 192, 192, 163, 160, 255, 212, 160, 255
 ST, SLE_rar_gr3_Fre/avv_T2, 192, 128, 0, 0, 128, 192, 0, 192, 128
 ST, SLE_rar_gr1+vento_T2, 0, 157, 192, 255, 87, 128, 128, 192, 0
 ST, SLE_rar_gr2+vento_T2, 0, 192, 128, 255, 128, 0, 163, 255, 160
 ST, SLE_rar_gr3+vento_T2, 255, 87, 128, 93, 255, 87, 212, 160, 255
 ST, SLE_rar_vento_gr1_T2, 0, 192, 128, 192, 0, 192, 255, 87, 87
 ST, SLE_rar_vento_gr2_T2, 85, 192, 0, 160, 192, 255, 85, 0, 192
 ST, SLE_rar_vento_gr3_T2, 148, 87, 255, 78, 0, 255, 255, 0, 192
 ST, SLE_rar_gr1_Treno_T3, 93, 255, 87, 255, 0, 192, 255, 192, 160
 ST, SLE_rar_gr2_Scarico_T3, 160, 192, 255, 0, 128, 128, 148, 87, 255
 ST, SLE_rar_gr3_Fre/avv_T3, 210, 210, 210, 160, 255, 255, 160, 192, 255
 ST, SLE_rar_gr1+vento_T3, 0, 128, 192, 93, 255, 87, 0, 128, 255
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 ST, E_103y_SLD_T1, 85, 0, 192, 255, 0, 192, 0, 128, 57
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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PROJECT TITLE :

MIDAS	Company	Client
	Author	HP Inc.

Pulvino_CAP-Misto_Long

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.

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PROJECT TITLE :

MIDAS	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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PROJECT TITLE :


MIDAS	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, NO, NO
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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.		File Name

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Long

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*ENDDATA

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

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**      MIDAS/Civil V.8.9.5   Modeling, Integrated Design & Analysis Software
**
**      CIVIL STRUCTURE DESIGN SYSTEM
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VERSION 8.9.5

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ANALYSIS RESULT OUTPUT

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
A1_SLU~1	A1_SLU_gr1_Treno_T1	Static	
A1_SLU~2	A1_SLU_gr2_Scarico_T1	Static	
A1_SLU~3	A1_SLU_gr3_Fre_avv_T1	Static	
A1_SLU~4	A1_SLU_gr1+vento_T1	Static	
A1_SLU~5	A1_SLU_gr2+vento_T1	Static	
A1_SLU~6	A1_SLU_gr3+vento_T1	Static	
A1_SLU~7	A1_SLU_vento_gr1_T1	Static	
A1_SLU~8	A1_SLU_vento_gr2_T1	Static	
A1_SLU~9	A1_SLU_vento_gr3_T1	Static	
A1_SLU~0	A1_SLU_Scalz_gr1_T1	Static	
A1_SLU~1	A1_SLU_Scalz_gr2_T1	Static	
A1_SLU~2	A1_SLU_gr1_Treno_T2	Static	
A1_SLU~3	A1_SLU_gr2_Scarico_T2	Static	
A1_SLU~4	A1_SLU_gr3_Fre_avv_T2	Static	
A1_SLU~5	A1_SLU_gr1+vento_T2	Static	
A1_SLU~6	A1_SLU_gr2+vento_T2	Static	
A1_SLU~7	A1_SLU_gr3+vento_T2	Static	
A1_SLU~8	A1_SLU_vento_gr1_T2	Static	
A1_SLU~9	A1_SLU_vento_gr2_T2	Static	
A1_SLU~10	A1_SLU_vento_gr3_T2	Static	
A1_SLU~11	A1_SLU_Scalz_gr1_T2	Static	
A1_SLU~12	A1_SLU_Scalz_gr2_T2	Static	
A1_SLU~13	A1_SLU_Scalz_gr3_T2	Static	
A1_SLU~14	A1_SLU_gr1_Treno_T3	Static	
A1_SLU~15	A1_SLU_gr2_Scarico_T3	Static	
A1_SLU~16	A1_SLU_gr3_Fre_avv_T3	Static	
A1_SLU~17	A1_SLU_gr1+vento_T3	Static	
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A1_SLU~19	A1_SLU_gr3+vento_T3	Static	
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A1_SLU~25	A1_SLU_Scalz_gr3_T3	Static	
A1_SLU~26	A1_SLU_Scalz_gr3_T1	Static	
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E_103y~1	E_103y_SLV_T1	Static	
E_103z~1	E_103z_SLV_T1	Static	
E_103x~2	E_103x_SLV_T2	Static	
E_103y~2	E_103y_SLV_T2	Static	
E_103z~2	E_103z_SLV_T2	Static	
E_103x~3	E_103x_SLV_T3	Static	
E_103y~3	E_103y_SLV_T3	Static	
E_103z~3	E_103z_SLV_T3	Static	
SLE_ra~1	SLE_rar_gr1_Treno_T1	Static	
SLE_ra~2	SLE_rar_gr2_Scarico_T1	Static	
SLE_ra~3	SLE_rar_gr3_Fre_avv_T1	Static	
SLE_ra~4	SLE_rar_gr1+vento_T1	Static	
SLE_ra~5	SLE_rar_gr2+vento_T1	Static	
SLE_ra~6	SLE_rar_gr3+vento_T1	Static	
SLE_ra~7	SLE_rar_vento_gr1_T1	Static	
SLE_ra~8	SLE_rar_vento_gr2_T1	Static	
SLE_ra~9	SLE_rar_vento_gr3_T1	Static	
SLE_ra~0	SLE_rar_gr1_Treno_T2	Static	
SLE_ra~1	SLE_rar_gr2_Scarico_T2	Static	
SLE_ra~2	SLE_rar_gr3_Fre_avv_T2	Static	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output


SLE_ra~3	SLE_rar_gr1+vento_T2	Static
SLE_ra~4	SLE_rar_gr2+vento_T2	Static
SLE_ra~5	SLE_rar_gr3+vento_T2	Static
SLE_ra~6	SLE_rar_vento_gr1_T2	Static
SLE_ra~7	SLE_rar_vento_gr2_T2	Static
SLE_ra~8	SLE_rar_vento_gr3_T2	Static
SLE_ra~9	SLE_rar_gr1_Treno_T3	Static
SLE_ra~10	SLE_rar_gr2_Scarico_T3	Static
SLE_ra~11	SLE_rar_gr3_Fre_avv_T3	Static
SLE_ra~12	SLE_rar_gr1+vento_T3	Static
SLE_ra~13	SLE_rar_gr2+vento_T3	Static
SLE_ra~14	SLE_rar_gr3+vento_T3	Static
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E_103x~6	E_103x_SLD_T3	Static
E_103y~6	E_103y_SLD_T3	Static
E_103z~6	E_103z_SLD_T3	Static
SLE_ra~18	SLE_rar_gr4_Centrif_T1	Static
SLE_ra~19	SLE_rar_gr4+vento_T1	Static
SLE_ra~20	SLE_rar_vento_gr4_T1	Static
SLE_ra~21	SLE_rar_gr4_Centrif_T2	Static
SLE_ra~22	SLE_rar_gr4+vento_T2	Static
SLE_ra~23	SLE_rar_vento_gr4_T2	Static
SLE_ra~24	SLE_rar_gr4_Centrif_T3	Static
SLE_ra~25	SLE_rar_gr4+vento_T3	Static
SLE_ra~26	SLE_rar_vento_gr4_T3	Static
SLE_qp~1	SLE_qp_T1	Static
SLE_qp~2	SLE_qp_T2	Static
SLE_qp~3	SLE_qp_T3	Static
SLE_ra~27	SLE_qp_T3	Gen.Envl
SLE_fe~1	SLE_fess_Env	Gen.Envl
SLE_qp~4	SLE_qp_Env	Gen.Envl
SLU-SL~1	SLU-SLV_Env	Gen.Envl
SLE-SL~1	SLE-SLD_Env	Gen.Envl

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>


[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env	Gen.Envl	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 ,
SLU~8 ,		1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 ,
SLU~2 ,		1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 ,
SLU~6 ,		1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 ,
SLU~10 ,		1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~10 ,
A1_SLU~14 ,		1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~14 ,
A1_SLU~18 ,		1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~18 ,

PROJECT TITLE :

	Company	Client		
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output
A1_SLU~22 ,		1.000 x A1_SLU~19 ,	1.000 x A1_SLU~20 ,	1.000 x A1_SLU~21 , 1.000 x
A1_SLU~26		1.000 x A1_SLU~23 ,	1.000 x A1_SLU~24 ,	1.000 x A1_SLU~25 , 1.000 x
SLV_Env	Gen.Env1	1.000 x E_103x~1 ,	1.000 x E_103y~1 ,	1.000 x E_103z~1 , 1.000 x
E_103x~2 ,		1.000 x E_103y~2 ,	1.000 x E_103z~2 ,	1.000 x E_103x~3 , 1.000 x E_1
03y~3 ,		1.000 x E_103z~3		
SLE_ra~27	Gen.Env1	1.000 x SLE_ra~1 ,	1.000 x SLE_ra~2 ,	1.000 x SLE_ra~3 , 1.000 x
SLE_ra~4 ,		1.000 x SLE_ra~5 ,	1.000 x SLE_ra~6 ,	1.000 x SLE_ra~7 , 1.000 x SLE
_ra~8 ,		1.000 x SLE_ra~9 ,	1.000 x SLE_ra~0 ,	1.000 x SLE_ra~1 , 1.000 x SLE
_ra~2 ,		1.000 x SLE_ra~3 ,	1.000 x SLE_ra~4 ,	1.000 x SLE_ra~5 , 1.000 x SLE
_ra~6 ,		1.000 x SLE_ra~7 ,	1.000 x SLE_ra~8 ,	1.000 x SLE_ra~9 , 1.000 x SLE
_ra~10 ,		1.000 x SLE_ra~11 ,	1.000 x SLE_ra~12 ,	1.000 x SLE_ra~13 , 1.000 x
SLE_ra~14 ,		1.000 x SLE_ra~15 ,	1.000 x SLE_ra~16 ,	1.000 x SLE_ra~17
SLD_Env	Gen.Env1	1.000 x E_103x~4 ,	1.000 x E_103y~4 ,	1.000 x E_103z~4 , 1.000 x
E_103x~5 ,		1.000 x E_103y~5 ,	1.000 x E_103z~5 ,	1.000 x E_103x~6 , 1.000 x E_1
03y~6 ,		1.000 x E_103z~6		
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 ,	1.000 x SLE_ra~19 ,	1.000 x SLE_ra~20 , 1.000
x SLE_ra~21 ,		1.000 x SLE_ra~22 ,	1.000 x SLE_ra~23 ,	1.000 x SLE_ra~24 , 1.000 x
SLE_ra~25 ,		1.000 x SLE_ra~26		
SLE_qp~4	Gen.Env1	1.000 x SLE_qp~1 ,	1.000 x SLE_qp~2 ,	1.000 x SLE_qp~3
SLU-SL~1	Gen.Env1	1.000 x SLU_Env ,	1.000 x SLV_Env	
SLE-SL~1	Gen.Env1	1.000 x SLE_ra~27 ,	1.000 x SLD_Env	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
--- No Abbreviation was defined in this Load Set. All names are less than 8 char.'s ---			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 , SLU~8 , SLU~2 , SLU~6 , SLU~10 , A1_SLU~14 , A1_SLU~18 , A1_SLU~22 , A1_SLU~26	Gen.Env1	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~19 , 1.000 x A1_SLU~20 , 1.000 x A1_SLU~21 , 1.000 x A1_SLU~23 , 1.000 x A1_SLU~24 , 1.000 x A1_SLU~25 , 1.000 x
SLV_Env E_103x~2 , 03y~3 ,	Gen.Env1	1.000 x E_103x~1 , 1.000 x E_103y~1 , 1.000 x E_103z~1 , 1.000 x E_103y~2 , 1.000 x E_103z~2 , 1.000 x E_103x~3 , 1.000 x E_103z~3
SLE_ra~27 SLE_ra~4 , _ra~8 , _ra~2 , _ra~6 , _ra~10 , SLE_ra~14 ,	Gen.Env1	1.000 x SLE_ra~1 , 1.000 x SLE_ra~2 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~6 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~0 , 1.000 x SLE_ra~1 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~4 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~8 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~11 , 1.000 x SLE_ra~12 , 1.000 x SLE_ra~13 , 1.000 x SLE_ra~15 , 1.000 x SLE_ra~16 , 1.000 x SLE_ra~17
SLD_Env E_103x~5 , 03y~6 ,	Gen.Env1	1.000 x E_103x~4 , 1.000 x E_103y~4 , 1.000 x E_103z~4 , 1.000 x E_103y~5 , 1.000 x E_103z~5 , 1.000 x E_103x~6 , 1.000 x E_103z~6
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 , 1.000 x SLE_ra~19 , 1.000 x SLE_ra~20 , 1.000


PROJECT TITLE :

	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino CAP-Misto_Long_output	

x SLE_ra~21 ,
 SLE_ra~25 ,
 SLE_qp~4 Gen.Env1
 SLU-SL~1 Gen.Env1
 SLE-SL~1 Gen.Env1

1.000 x SLE_ra~22 , 1.000 x SLE_ra~23 , 1.000 x SLE_ra~24 , 1.000 x
 1.000 x SLE_ra~26
 1.000 x SLE_qp~1 , 1.000 x SLE_qp~2 , 1.000 x SLE_qp~3
 1.000 x SLU_Env , 1.000 x SLV_Env
 1.000 x SLE_ra~27 , 1.000 x SLD_Env

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	M
1	1	2	SLU_Env Max	I	-8578.5	0.0	-43.2	0.0	0.0	
0.0				J	-8578.5	0.0	-43.2	0.0	230.3	
0.0			Min	I	-13155.7	0.0	-1919.3	0.0	0.0	
0.0				J	-13155.7	0.0	-1919.3	0.0	5.2	
0.0			SLV_Env Max	I	-1958.3	0.0	-1483.8	0.0	0.0	
0.0				J	-1958.3	0.0	-1483.8	0.0	585.4	
0.0			Min	I	-8615.6	0.0	-4878.5	0.0	0.0	
0.0				J	-8615.6	0.0	-4878.5	0.0	178.1	
0.0			SLE_ra~2 Max	I	-6101.5	0.0	-36.6	0.0	0.0	
0.0				J	-6101.5	0.0	-36.6	0.0	151.1	
0.0			Min	I	-9272.6	0.0	-1259.4	0.0	0.0	
0.0				J	-9272.6	0.0	-1259.4	0.0	4.4	
0.0			SLD_Env Max	I	-3272.0	0.0	-1006.4	0.0	0.0	
0.0				J	-3272.0	0.0	-1006.4	0.0	394.3	
0.0			Min	I	-7068.8	0.0	-3285.8	0.0	0.0	
0.0				J	-7068.8	0.0	-3285.8	0.0	120.8	
0.0			SLE_fe~1 Max	I	-6110.0	0.0	-97.5	0.0	0.0	
0.0				J	-6110.0	0.0	-97.5	0.0	95.0	
0.0			Min	I	-7657.6	0.0	-791.4	0.0	0.0	
0.0				J	-7657.6	0.0	-791.4	0.0	11.7	
0.0			SLE_qp~4 Max	I	-6129.8	0.0	-24.2	0.0	0.0	
0.0				J	-6129.8	0.0	-24.2	0.0	2.9	
0.0			Min	I	-6129.8	0.0	-24.2	0.0	0.0	
0.0				J	-6129.8	0.0	-24.2	0.0	2.9	
0.0			SLU-SL~1 Max	I	-1958.3	0.0	-43.2	0.0	0.0	
0.0				J	-1958.3	0.0	-43.2	0.0	585.4	
0.0			Min	I	-13155.7	0.0	-4878.5	0.0	0.0	

PROJECT TITLE :


		Company			Client			
		Author	HP Inc.		File Name	Pulvino CAP-Misto_Long_output		
0.0			J	-13155.7	0.0	-4878.5	0.0	5.2
0.0		SLE-SL~1 Max	I	-3272.0	0.0	-36.6	0.0	0.0
0.0			J	-3272.0	0.0	-36.6	0.0	394.3
0.0		Min	I	-9272.6	0.0	-3285.8	0.0	0.0
0.0			J	-9272.6	0.0	-3285.8	0.0	4.4
2	1	2 SLU_Env Max	I	-10384.1	0.0	-49.8	0.0	0.0
0.0			J	-10384.1	0.0	-49.8	0.0	231.6
0.0		Min	I	-18891.6	0.0	-1929.7	0.0	0.0
0.0			J	-18891.6	0.0	-1929.7	0.0	6.0
0.0		SLV_Env Max	I	-9463.2	0.0	-1489.6	0.0	0.0
0.0			J	-9463.2	0.0	-1489.6	0.0	586.4
0.0		Min	I	-13982.2	0.0	-4886.5	0.0	0.0
0.0			J	-13982.2	0.0	-4886.5	0.0	178.7
0.0		SLE_ra~2 Max	I	-7412.0	0.0	-41.4	0.0	0.0
0.0			J	-7412.0	0.0	-41.4	0.0	152.0
0.0		Min	I	-13036.2	0.0	-1266.6	0.0	0.0
0.0			J	-13036.2	0.0	-1266.6	0.0	5.0
0.0		SLD_Env Max	I	-8276.7	0.0	-1011.4	0.0	0.0
0.0			J	-8276.7	0.0	-1011.4	0.0	395.1
0.0		Min	I	-11428.4	0.0	-3292.2	0.0	0.0
0.0			J	-11428.4	0.0	-3292.2	0.0	121.4
0.0		SLE_fe~1 Max	I	-7910.9	0.0	-102.5	0.0	0.0
0.0			J	-7910.9	0.0	-102.5	0.0	95.7
0.0		Min	I	-10858.4	0.0	-797.6	0.0	0.0
0.0			J	-10858.4	0.0	-797.6	0.0	12.3
0.0		SLE_qp~4 Max	I	-7047.2	0.0	-28.8	0.0	0.0
0.0			J	-7047.2	0.0	-28.8	0.0	3.5
0.0		Min	I	-7047.2	0.0	-28.8	0.0	0.0
0.0			J	-7047.2	0.0	-28.8	0.0	3.5
0.0		SLU-SL~1 Max	I	-9463.2	0.0	-49.8	0.0	0.0
0.0			J	-9463.2	0.0	-49.8	0.0	586.4

PROJECT TITLE :

	Company			Client			
	Author	HP Inc.		File Name	Pulvino CAP-Misto_Long_output		

0.0		Min	I	-18891.6	0.0	-4886.5	0.0	0.0
0.0			J	-18891.6	0.0	-4886.5	0.0	6.0
0.0								
0.0	SLE-SL~1	Max	I	-7412.0	0.0	-41.4	0.0	0.0
0.0			J	-7412.0	0.0	-41.4	0.0	395.1
0.0		Min	I	-13036.2	0.0	-3292.2	0.0	0.0
0.0			J	-13036.2	0.0	-3292.2	0.0	5.0
0.0								

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

Node	LC		FX	FY	FZ	MX	MY	MZ
1	SLU_Env	Max	-43.2	0.0	13155.7	0.0	-5.2	0.0
		Min	-1919.3	0.0	8578.5	0.0	-230.3	0.0
	SLV_Env	Max	-1483.8	0.0	8615.6	0.0	-178.1	0.0
		Min	-4878.5	0.0	1958.3	0.0	-585.4	0.0
	SLE_ra~2	Max	-36.6	0.0	9272.6	0.0	-4.4	0.0
		Min	-1259.4	0.0	6101.5	0.0	-151.1	0.0
	SLD_Env	Max	-1006.4	0.0	7068.8	0.0	-120.8	0.0
		Min	-3285.8	0.0	3272.0	0.0	-394.3	0.0
	SLE_fe~1	Max	-97.5	0.0	7657.6	0.0	-11.7	0.0
		Min	-791.4	0.0	6110.0	0.0	-95.0	0.0
	SLE_qp~4	Max	-24.2	0.0	6129.8	0.0	-2.9	0.0
		Min	-24.2	0.0	6129.8	0.0	-2.9	0.0
	SLU-SL~1	Max	-43.2	0.0	13155.7	0.0	-5.2	0.0
		Min	-4878.5	0.0	1958.3	0.0	-585.4	0.0
SLE-SL~1	Max	-36.6	0.0	9272.6	0.0	-4.4	0.0	
	Min	-3285.8	0.0	3272.0	0.0	-394.3	0.0	
2	SLU_Env	Max	-49.8	0.0	18891.6	0.0	-6.0	0.0
		Min	-1929.7	0.0	10384.1	0.0	-231.6	0.0
	SLV_Env	Max	-1489.6	0.0	13982.2	0.0	-178.7	0.0
		Min	-4886.5	0.0	9463.2	0.0	-586.4	0.0
	SLE_ra~2	Max	-41.4	0.0	13036.2	0.0	-5.0	0.0
		Min	-1266.6	0.0	7412.0	0.0	-152.0	0.0
	SLD_Env	Max	-1011.4	0.0	11428.4	0.0	-121.4	0.0
		Min	-3292.2	0.0	8276.7	0.0	-395.1	0.0
	SLE_fe~1	Max	-102.5	0.0	10858.4	0.0	-12.3	0.0
		Min	-797.6	0.0	7910.9	0.0	-95.7	0.0
	SLE_qp~4	Max	-28.8	0.0	7047.2	0.0	-3.5	0.0
		Min	-28.8	0.0	7047.2	0.0	-3.5	0.0
	SLU-SL~1	Max	-49.8	0.0	18891.6	0.0	-6.0	0.0
		Min	-4886.5	0.0	9463.2	0.0	-586.4	0.0
SLE-SL~1	Max	-41.4	0.0	13036.2	0.0	-5.0	0.0	
	Min	-3292.2	0.0	7412.0	0.0	-395.1	0.0	
3	SLU_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLV_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE_ra~2	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLD_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0

PROJECT TITLE :

		Company				Client		
		Author	HP Inc.			File Name	Pulvino CAP-Misto_Long_output	
	SLE_fe~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE_qp~4	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLU-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
4	SLU_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLV_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE_ra~2	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLD_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE_fe~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE_qp~4	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLU-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
	SLE-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	0.0	0.0	0.0	0.0	0.0
5	SLU_Env	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLV_Env	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLE_ra~2	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLD_Env	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLE_fe~1	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLE_qp~4	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLU-SL~1	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLE-SL~1	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
6	SLU_Env	Max	0.0	0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0
	SLV_Env	Max	0.0	-0.0	0.0	0.0	0.0	0.0
		Min	0.0	-0.0	0.0	0.0	0.0	0.0

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

SLE_ra~2	Max	0.0	0.0	0.0	0.0	0.0	0.0
	Min	0.0	-0.0	0.0	0.0	0.0	0.0
SLD_Env	Max	0.0	-0.0	0.0	0.0	0.0	0.0
	Min	0.0	-0.0	0.0	0.0	0.0	0.0
SLE_fe~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
	Min	0.0	-0.0	0.0	0.0	0.0	0.0
SLE_qp~4	Max	0.0	0.0	0.0	0.0	0.0	0.0
	Min	0.0	0.0	0.0	0.0	0.0	0.0
SLU-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
	Min	0.0	-0.0	0.0	0.0	0.0	0.0
SLE-SL~1	Max	0.0	0.0	0.0	0.0	0.0	0.0
	Min	0.0	-0.0	0.0	0.0	0.0	0.0

SUMMATION OF REACTION FORCES

LC	SUM-FX	SUM-FY	SUM-FZ
-----	-----	-----	-----

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

TRUSS ELEMENT FORCES DEFAULT PRINTOUT

Unit System : kN , m

ELEM	MAT	SEC	LC		FORCE-I	FORCE-J
3	1	1	SLU_Env	Max	7582.6	7582.6
				Min	4787.1	4787.1
			SLV_Env	Max	5728.8	5728.8
				Min	3688.3	3688.3
			SLE_ra~2	Max	5287.0	5287.0
				Min	3417.6	3417.6
			SLD_Env	Max	4593.2	4593.2
				Min	3438.6	3438.6
			SLE_fe~1	Max	4504.8	4504.8
				Min	3533.3	3533.3
			SLE_qp~4	Max	3266.8	3266.8
				Min	3266.8	3266.8
			SLU-SL~1	Max	7582.6	7582.6
				Min	3688.3	3688.3
SLE-SL~1	Max	5287.0	5287.0			
	Min	3417.6	3417.6			
4	1	1	SLU_Env	Max	-1428.2	-1428.2
				Min	-2547.2	-2547.2
			SLV_Env	Max	5429.1	5429.1
				Min	-1087.9	-1087.9
			SLE_ra~2	Max	-1039.5	-1039.5
				Min	-1826.0	-1826.0
			SLD_Env	Max	2834.6	2834.6
				Min	-996.3	-996.3
			SLE_fe~1	Max	-1190.1	-1190.1
				Min	-1487.1	-1487.1
			SLE_qp~4	Max	-1419.6	-1419.6
				Min	-1419.6	-1419.6
			SLU-SL~1	Max	5429.1	5429.1
				Min	-2547.2	-2547.2
SLE-SL~1	Max	2834.6	2834.6			
	Min	-1826.0	-1826.0			
5	1	1	SLU_Env	Max	-7855.3	-7855.3
				Min	-12581.1	-12581.1
			SLV_Env	Max	-2073.6	-2073.6
				Min	-8878.6	-8878.6
			SLE_ra~2	Max	-5582.0	-5582.0
				Min	-8850.5	-8850.5
			SLD_Env	Max	-3464.7	-3464.7
				Min	-7201.0	-7201.0
			SLE_fe~1	Max	-5622.6	-5622.6
				Min	-7350.7	-7350.7
			SLE_qp~4	Max	-5688.5	-5688.5
				Min	-5688.5	-5688.5
			SLU-SL~1	Max	-2073.6	-2073.6
				Min	-12581.1	-12581.1
SLE-SL~1	Max	-3464.7	-3464.7			
	Min	-8850.5	-8850.5			
6	1	1	SLU_Env	Max	-10885.3	-10885.3
				Min	-19712.6	-19712.6
			SLV_Env	Max	-9349.4	-9349.4
				Min	-11718.0	-11718.0
			SLE_ra~2	Max	-7765.0	-7765.0
				Min	-13626.3	-13626.3
			SLD_Env	Max	-8235.5	-8235.5
				Min	-10182.2	-10182.2
			SLE_fe~1	Max	-8329.2	-8329.2
				Min	-11364.3	-11364.3
			SLE_qp~4	Max	-7377.8	-7377.8
				Min	-7377.8	-7377.8

PROJECT TITLE :


		Company	Client	
		Author	File Name	
		HP Inc.		Pulvino CAP-Misto_Long_output

			Min	-7377.8	-7377.8
		SLU-SL~1	Max	-9349.4	-9349.4
			Min	-19712.6	-19712.6
		SLE-SL~1	Max	-7765.0	-7765.0
			Min	-13626.3	-13626.3
7	1	1	SLU_Env	Max	-1310.4
				Min	-3294.1
			SLV_Env	Max	0.0
				Min	-564.1
			SLE_ra~2	Max	-959.6
				Min	-2330.6
			SLD_Env	Max	0.0
				Min	-641.8
			SLE_fe~1	Max	-1200.7
				Min	-1744.5
			SLE_qp~4	Max	-1567.2
				Min	-1567.2
			SLU-SL~1	Max	0.0
				Min	-3294.1
			SLE-SL~1	Max	0.0
				Min	-2330.6
8	1	1	SLU_Env	Max	-649.3
				Min	-2239.5
			SLV_Env	Max	-1670.4
				Min	-6971.9
			SLE_ra~2	Max	-442.1
				Min	-1530.0
			SLD_Env	Max	-1332.4
				Min	-4551.1
			SLE_fe~1	Max	-480.7
				Min	-1123.6
			SLE_qp~4	Max	-510.9
				Min	-510.9
			SLU-SL~1	Max	-649.3
				Min	-6971.9
			SLE-SL~1	Max	-442.1
				Min	-4551.1

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Long_output

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

```

;-----
; MIDAS/Civil Text (MCT) File.
; Date : 2021/5/6
;-----

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*VERSION
  8.9.5

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*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  KN      , M, BTU, C

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*PROJINFO  ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX, CLIENT, TITLE, ENGINEER, EDATE
  ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3, APPROVE, ADATE, COMMENT
  ; One Line per Data
  USER=HP Inc.
  ADDRESS=HP Inc.

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*STRUCTYPE ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB,
  bROTRIGID
  1, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
  NTC18(RC), B450C, ASTM(RC), Grade 60

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```

*NODE      ; Nodes
; iNO, X, Y, Z
  1, 0, 0, 0
  2, 3.12500000006617, 0, 0
  3, 5.87421526205198, 0, 0
  4, 9, 0, 0
  5, 0, 0, 0.11999999999999999
  6, 3.12500000006616, 0, 0.120000000000181
  7, 5.87421526205197, 0, 0.120000000000351
  8, 9, 0, 0.1200000000000532
  9, 0.324999998605158, 0, 1.55585674991075
  10, 3.12500000006607, 0, 1.55585674991092
  11, 5.87421526205188, 0, 1.55585674991108
  12, 8.67500000153088, 0, 1.55585674991125

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*ELEMENT   ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,                               ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT           ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS              ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8             ; Solid Element
  1, BEAM , 1, 2, 1, 5, 0, 0
  2, BEAM , 1, 2, 6, 2, 0, 0
  3, BEAM , 1, 2, 7, 3, 0, 0
  4, BEAM , 1, 2, 4, 8, 0, 0
  5, TRUSS , 1, 1, 5, 6, 0, 0
  6, TRUSS , 1, 1, 6, 7, 0, 0
  7, TRUSS , 1, 1, 7, 8, 0, 0
  8, TRUSS , 1, 1, 9, 10, 0, 0
  9, TRUSS , 1, 1, 10, 11, 0, 0
  10, TRUSS , 1, 1, 11, 12, 0, 0
  11, TRUSS , 1, 1, 9, 5, 0, 0
  12, TRUSS , 1, 1, 10, 6, 0, 0
  13, TRUSS , 1, 1, 11, 7, 0, 0

```

PROJECT TITLE :

MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino_CAP-Misto_Trasv	

14,	TRUSS ,	1,	1,	12,	8,	0,	0				
15,	COMPTR,	1,	1,	5,	10,	0,	1,	0,	0,	NO	
16,	COMPTR,	1,	1,	9,	6,	0,	1,	0,	0,	NO	
17,	COMPTR,	1,	1,	6,	11,	0,	1,	0,	0,	NO	
18,	COMPTR,	1,	1,	10,	7,	0,	1,	0,	0,	NO	
19,	COMPTR,	1,	1,	7,	12,	0,	1,	0,	0,	NO	
20,	COMPTR,	1,	1,	11,	8,	0,	1,	0,	0,	NO	

```

*GROUP      ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  0          , , 1to14, 0

*LOAD-GROUP ; Load Group
; NAME
SLU
SLE_rara
SLD
SLE_fess
SLE_qp
SLV


*MATERIAL    ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
; SRC
; [DATA1] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
; Orthotropic
; [DATA2] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL
, DEN, MASS
  1, CONC , C32/40          , 0, 0, , C, NO, 0.05, 2, 3.3345e+007, 0.2, 1.0000e-
005, 0, 0

*MATL-COLOR
; iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
  1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECTION     ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;

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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

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2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;
4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;

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PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

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6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT ;
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1) ;
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2) ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I ;
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; [SIZE-A] ;
3rd line ;
; [SIZE-B] ;
4th line ;
; [SIZE-C] ;
5th line ;
; [SIZE-D] ;
6th line ;
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line ;
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

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4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;
7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,


*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECT-SCALE ; Section Stiffness Scale Factor
; iSEC, AREA_SF, ASY_SF, ASZ_SF, IXX_SF, IYY_SF, IZZ_SF, WGT_SF, GROUP, iPart, bDiffIJ
; line 1
; J1, J2, J3, J4, J5, J6, J7
; line 2 (bDiffIJ=YES)
2, 1e+007, 1, 1, 0.0001, 0.0001, 0.0001, 1, , 1, NO

*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE ;
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line ;
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line ;
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;

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4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;

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4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;
6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT ;
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1) ;
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2) ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I ;
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB ;
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line ;
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line ;
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT ;
; OPT1, OPT2, [JOINT] ;
2nd line ;
; [SIZE-A] ;
3rd line ;
; [SIZE-B] ;
4th line ;
; [SIZE-C] ;

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5th line
; [SIZE-D] ;
6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC
; OPT1, OPT2, [JOINT] ;
2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;
4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;
7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM] : SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE] : SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS] : STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0

*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
A1 SLU_gr1_Treno_T1, USER,
A1 SLU_gr2_Scariço_T1, USER,
A1 SLU_gr3_Fre/avv_T1, USER,
A1 SLU_gr1+vento_T1, USER,
A1 SLU_gr2+vento_T1, USER,
A1 SLU_gr3+vento_T1, USER,
A1 SLU_vento_gr1_T1, USER,

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A1_SLU_vento_gr2_T1, USER,
A1_SLU_vento_gr3_T1, USER,
A1_SLU_Scalz_gr1_T1, USER,
A1_SLU_Scalz_gr2_T1, USER,
A1_SLU_gr1_Treno_T2, USER,
A1_SLU_gr2_Scarico_T2, USER,
A1_SLU_gr3_Fre/avv_T2, USER,
A1_SLU_gr1+vento_T2, USER,
A1_SLU_gr2+vento_T2, USER,
A1_SLU_gr3+vento_T2, USER,
A1_SLU_vento_gr1_T2, USER,
A1_SLU_vento_gr2_T2, USER,
A1_SLU_vento_gr3_T2, USER,
A1_SLU_Scalz_gr1_T2, USER,
A1_SLU_Scalz_gr2_T2, USER,
A1_SLU_Scalz_gr3_T2, USER,
A1_SLU_gr1_Treno_T3, USER,
A1_SLU_gr2_Scarico_T3, USER,
A1_SLU_gr3_Fre/avv_T3, USER,
A1_SLU_gr1+vento_T3, USER,
A1_SLU_gr2+vento_T3, USER,
A1_SLU_gr3+vento_T3, USER,
A1_SLU_vento_gr1_T3, USER,
A1_SLU_vento_gr2_T3, USER,
A1_SLU_vento_gr3_T3, USER,
A1_SLU_Scalz_gr1_T3, USER,
A1_SLU_Scalz_gr2_T3, USER,
A1_SLU_Scalz_gr3_T3, USER,
E_103x_SLV_T1, USER,
E_103y_SLV_T1, USER,
E_103z_SLV_T1, USER,
E_103x_SLV_T2, USER,
E_103y_SLV_T2, USER,
E_103z_SLV_T2, USER,
E_103x_SLV_T3, USER,
E_103y_SLV_T3, USER,
E_103z_SLV_T3, USER,
SLE_rar_gr1_Treno_T1, USER,
SLE_rar_gr2_Scarico_T1, USER,
SLE_rar_gr3_Fre/avv_T1, USER,
SLE_rar_gr1+vento_T1, USER,
SLE_rar_gr2+vento_T1, USER,
SLE_rar_gr3+vento_T1, USER,
SLE_rar_vento_gr1_T1, USER,
SLE_rar_vento_gr2_T1, USER,
SLE_rar_vento_gr3_T1, USER,
SLE_rar_gr1_Treno_T2, USER,
SLE_rar_gr2_Scarico_T2, USER,
SLE_rar_gr3_Fre/avv_T2, USER,
SLE_rar_gr1+vento_T2, USER,
SLE_rar_gr2+vento_T2, USER,
SLE_rar_gr3+vento_T2, USER,
SLE_rar_vento_gr1_T2, USER,
SLE_rar_vento_gr2_T2, USER,
SLE_rar_vento_gr3_T2, USER,
SLE_rar_gr1_Treno_T3, USER,
SLE_rar_gr2_Scarico_T3, USER,
SLE_rar_gr3_Fre/avv_T3, USER,
SLE_rar_gr1+vento_T3, USER,
SLE_rar_gr2+vento_T3, USER,
SLE_rar_gr3+vento_T3, USER,
SLE_rar_vento_gr1_T3, USER,

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PROJECT TITLE :

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```
SLE_rar_vento_gr2_T3, USER,
SLE_rar_vento_gr3_T3, USER,
E_103x_SLD_T1, USER,
E_103y_SLD_T1, USER,
E_103z_SLD_T1, USER,
E_103x_SLD_T2, USER,
E_103y_SLD_T2, USER,
E_103z_SLD_T2, USER,
E_103x_SLD_T3, USER,
E_103y_SLD_T3, USER,
E_103z_SLD_T3, USER,
SLE_rar_gr4_Centrif_T1, USER,
SLE_rar_gr4+vento_T1, USER,
SLE_rar_vento_gr4_T1, USER,
SLE_rar_gr4_Centrif_T2, USER,
SLE_rar_gr4+vento_T2, USER,
SLE_rar_vento_gr4_T2, USER,
SLE_rar_gr4_Centrif_T3, USER,
SLE_rar_gr4+vento_T3, USER,
SLE_rar_vento_gr4_T3, USER,
SLE_qp_T1, USER,
SLE_qp_T2, USER,
SLE_qp_T3, USER,
A1_SLU_Scalz_gr3_T1, USER,
Prova_Verticali, USER,
Orizzontali, USER,
```

```
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
1to4, 111111,
```

```
*USE-STLD, A1_SLU_gr1_Treno_T1
```

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -3808, 0, 0, 0, SLU
10, 282, 0, -4186, 0, 0, 0, SLU
11, 282, 0, -4557, 0, 0, 0, SLU
12, 0, 0, -4934, 0, 0, 0, SLU
```

```
; End of data for load case [A1_SLU_gr1_Treno_T1] -----
```

```
*USE-STLD, A1_SLU_gr2_Scarico_T1
```


```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -2471, 0, 0, 0, SLU
10, 282, 0, -2726, 0, 0, 0, SLU
11, 282, 0, -2977, 0, 0, 0, SLU
12, 0, 0, -3233, 0, 0, 0, SLU
```

```
; End of data for load case [A1_SLU_gr2_Scarico_T1] -----
```

```
*USE-STLD, A1_SLU_gr3_Fre/avv_T1
```

```
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -4097, 0, 0, 0, SLU
10, 141, 0, -4346, 0, 0, 0, SLU
11, 141, 0, -4592, 0, 0, 0, SLU
12, 0, 0, -4841, 0, 0, 0, SLU
```

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; End of data for load case [A1_SLU_gr3_Fre/avv_T1] -----

*USE-STLD, A1_SLU_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3678, 0, 0, 0, SLU
 10, 438, 0, -4290, 0, 0, 0, SLU
 11, 438, 0, -4891, 0, 0, 0, SLU
 12, 0, 0, -5503, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T1] -----

*USE-STLD, A1_SLU_gr2+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2341, 0, 0, 0, SLU
 10, 438, 0, -2831, 0, 0, 0, SLU
 11, 438, 0, -3312, 0, 0, 0, SLU
 12, 0, 0, -3802, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T1] -----

*USE-STLD, A1_SLU_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3966, 0, 0, 0, SLU
 10, 297, 0, -4451, 0, 0, 0, SLU
 11, 297, 0, -4926, 0, 0, 0, SLU
 12, 0, 0, -5410, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T1] -----

*USE-STLD, A1_SLU_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2484, 0, 0, 0, SLU
 10, 260, 0, -2875, 0, 0, 0, SLU
 11, 260, 0, -3258, 0, 0, 0, SLU
 12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T1] -----

*USE-STLD, A1_SLU_vento_gr2_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2484, 0, 0, 0, SLU
 10, 260, 0, -2875, 0, 0, 0, SLU
 11, 260, 0, -3258, 0, 0, 0, SLU
 12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T1] -----

*USE-STLD, A1_SLU_vento_gr3_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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9, 0, 0, -2484, 0, 0, 0, SLU
 10, 260, 0, -2875, 0, 0, 0, SLU
 11, 260, 0, -3258, 0, 0, 0, SLU
 12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T1] -----

*USE-STLD, A1_SLU_Scalz_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3359, 0, 0, 0, SLU
 10, 169, 0, -3586, 0, 0, 0, SLU
 11, 169, 0, -3808, 0, 0, 0, SLU
 12, 0, 0, -4035, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T1] -----

*USE-STLD, A1_SLU_Scalz_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2562, 0, 0, 0, SLU
 10, 169, 0, -2716, 0, 0, 0, SLU
 11, 169, 0, -2866, 0, 0, 0, SLU
 12, 0, 0, -3020, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T1] -----

*USE-STLD, A1_SLU_gr1_Treno_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -4029, 0, 0, 0, SLU
 10, 282, 0, -4369, 0, 0, 0, SLU
 11, 282, 0, -4704, 0, 0, 0, SLU
 12, 0, 0, -5044, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T2] -----

*USE-STLD, A1_SLU_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2471, 0, 0, 0, SLU
 10, 282, 0, -2726, 0, 0, 0, SLU
 11, 282, 0, -2977, 0, 0, 0, SLU
 12, 0, 0, -3233, 0, 0, 0, SLU


; End of data for load case [A1_SLU_gr2_Scarico_T2] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -4317, 0, 0, 0, SLU
 10, 141, 0, -4530, 0, 0, 0, SLU
 11, 141, 0, -4738, 0, 0, 0, SLU
 12, 0, 0, -4951, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T2] -----

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*USE-STLD, A1_SLU_gr1+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -3899, 0, 0, 0, SLU
  10, 438, 0, -4473, 0, 0, 0, SLU
  11, 438, 0, -5038, 0, 0, 0, SLU
  12, 0, 0, -5613, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T2] -----

*USE-STLD, A1_SLU_gr2+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2341, 0, 0, 0, SLU
  10, 438, 0, -2831, 0, 0, 0, SLU
  11, 438, 0, -3312, 0, 0, 0, SLU
  12, 0, 0, -3802, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T2] -----

*USE-STLD, A1_SLU_gr3+vento_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -4187, 0, 0, 0, SLU
  10, 297, 0, -4634, 0, 0, 0, SLU
  11, 297, 0, -5073, 0, 0, 0, SLU
  12, 0, 0, -5520, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T2] -----

*USE-STLD, A1_SLU_vento_gr1_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2484, 0, 0, 0, SLU
  10, 260, 0, -2875, 0, 0, 0, SLU
  11, 260, 0, -3258, 0, 0, 0, SLU
  12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T2] -----

*USE-STLD, A1_SLU_vento_gr2_T2


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2484, 0, 0, 0, SLU
  10, 260, 0, -2875, 0, 0, 0, SLU
  11, 260, 0, -3258, 0, 0, 0, SLU
  12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T2] -----

*USE-STLD, A1_SLU_vento_gr3_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2484, 0, 0, 0, SLU
  10, 260, 0, -2875, 0, 0, 0, SLU
  11, 260, 0, -3258, 0, 0, 0, SLU
  
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12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T2] -----

*USE-STLD, A1_SLU_Scalz_gr1_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3494, 0, 0, 0, SLU
 10, 169, 0, -3698, 0, 0, 0, SLU
 11, 169, 0, -3898, 0, 0, 0, SLU
 12, 0, 0, -4103, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T2] -----

*USE-STLD, A1_SLU_Scalz_gr2_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2562, 0, 0, 0, SLU
 10, 169, 0, -2716, 0, 0, 0, SLU
 11, 169, 0, -2866, 0, 0, 0, SLU
 12, 0, 0, -3020, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T2] -----

*USE-STLD, A1_SLU_Scalz_gr3_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -3666, 0, 0, 0, SLU
 10, 85, 0, -3794, 0, 0, 0, SLU
 11, 85, 0, -3919, 0, 0, 0, SLU
 12, 0, 0, -4047, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T2] -----

*USE-STLD, A1_SLU_gr1_Treno_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2493, 0, 0, 0, SLU
 10, 282, 0, -3292, 0, 0, 0, SLU
 11, 282, 0, -4076, 0, 0, 0, SLU
 12, 0, 0, -4875, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T3] -----

*USE-STLD, A1_SLU_gr2_Scarico_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2471, 0, 0, 0, SLU
 10, 282, 0, -2726, 0, 0, 0, SLU
 11, 282, 0, -2977, 0, 0, 0, SLU
 12, 0, 0, -3233, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T3] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2781, 0, 0, 0, SLU
 10, 141, 0, -3452, 0, 0, 0, SLU
 11, 141, 0, -4111, 0, 0, 0, SLU
 12, 0, 0, -4782, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T3] -----

*USE-STLD, A1_SLU_gr1+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2363, 0, 0, 0, SLU
 10, 438, 0, -3396, 0, 0, 0, SLU
 11, 438, 0, -4411, 0, 0, 0, SLU
 12, 0, 0, -5444, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T3] -----

*USE-STLD, A1_SLU_gr2+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2341, 0, 0, 0, SLU
 10, 438, 0, -2831, 0, 0, 0, SLU
 11, 438, 0, -3312, 0, 0, 0, SLU
 12, 0, 0, -3802, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T3] -----

*USE-STLD, A1_SLU_gr3+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2651, 0, 0, 0, SLU
 10, 297, 0, -3556, 0, 0, 0, SLU
 11, 297, 0, -4446, 0, 0, 0, SLU
 12, 0, 0, -5351, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T3] -----

*USE-STLD, A1_SLU_vento_gr1_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2484, 0, 0, 0, SLU
 10, 260, 0, -2875, 0, 0, 0, SLU
 11, 260, 0, -3258, 0, 0, 0, SLU
 12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T3] -----


*USE-STLD, A1_SLU_vento_gr2_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2484, 0, 0, 0, SLU
 10, 260, 0, -2875, 0, 0, 0, SLU
 11, 260, 0, -3258, 0, 0, 0, SLU
 12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T3] -----

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*USE-STLD, A1_SLU_vento_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2484, 0, 0, 0, SLU
  10, 260, 0, -2875, 0, 0, 0, SLU
  11, 260, 0, -3258, 0, 0, 0, SLU
  12, 0, 0, -3649, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T3] -----

*USE-STLD, A1_SLU_Scalz_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2573, 0, 0, 0, SLU
  10, 169, 0, -3052, 0, 0, 0, SLU
  11, 169, 0, -3523, 0, 0, 0, SLU
  12, 0, 0, -4002, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T3] -----

*USE-STLD, A1_SLU_Scalz_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2562, 0, 0, 0, SLU
  10, 169, 0, -2716, 0, 0, 0, SLU
  11, 169, 0, -2866, 0, 0, 0, SLU
  12, 0, 0, -3020, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2746, 0, 0, 0, SLU
  10, 85, 0, -3148, 0, 0, 0, SLU
  11, 85, 0, -3544, 0, 0, 0, SLU
  12, 0, 0, -3946, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T3] -----

*USE-STLD, E_103x_SLV_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2070, 0, 0, 0, SLV
  10, 640, 0, -2479, 0, 0, 0, SLV
  11, 640, 0, -2881, 0, 0, 0, SLV
  12, 0, 0, -3290, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T1] -----

*USE-STLD, E_103y_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -281, 0, 0, 0, SLV
  10, 2133, 0, -1606, 0, 0, 0, SLV
    
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11, 2133, 0, -2907, 0, 0, 0, SLV
 12, 0, 0, -4232, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T1] -----

*USE-STLD, E_103z_SLV_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2136, 0, 0, 0, SLV
 10, 640, 0, -2545, 0, 0, 0, SLV
 11, 640, 0, -2947, 0, 0, 0, SLV
 12, 0, 0, -3356, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T1] -----

*USE-STLD, E_103x_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2100, 0, 0, 0, SLV
 10, 640, 0, -2505, 0, 0, 0, SLV
 11, 640, 0, -2901, 0, 0, 0, SLV
 12, 0, 0, -3306, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T2] -----

*USE-STLD, E_103y_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -312, 0, 0, 0, SLV
 10, 2133, 0, -1631, 0, 0, 0, SLV
 11, 2133, 0, -2928, 0, 0, 0, SLV
 12, 0, 0, -4247, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T2] -----

*USE-STLD, E_103z_SLV_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2167, 0, 0, 0, SLV
 10, 640, 0, -2571, 0, 0, 0, SLV
 11, 640, 0, -2968, 0, 0, 0, SLV
 12, 0, 0, -3372, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T2] -----

*USE-STLD, E_103x_SLV_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1889, 0, 0, 0, SLV
 10, 640, 0, -2356, 0, 0, 0, SLV
 11, 640, 0, -2815, 0, 0, 0, SLV
 12, 0, 0, -3283, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T3] -----

*USE-STLD, E_103y_SLV_T3

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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -100, 0, 0, 0, SLV
 10, 2133, 0, -1483, 0, 0, 0, SLV
 11, 2133, 0, -2841, 0, 0, 0, SLV
 12, 0, 0, -4224, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T3] -----

*USE-STLD, E_103z_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1955, 0, 0, 0, SLV
 10, 640, 0, -2423, 0, 0, 0, SLV
 11, 640, 0, -2882, 0, 0, 0, SLV
 12, 0, 0, -3349, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T3] -----

*USE-STLD, SLE_rar_gr1_Treno_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2644, 0, 0, 0, SLE_rara
 10, 195, 0, -2904, 0, 0, 0, SLE_rara
 11, 195, 0, -3160, 0, 0, 0, SLE_rara
 12, 0, 0, -3421, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T1] -----

*USE-STLD, SLE_rar_gr2_Scarico_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1727, 0, 0, 0, SLE_rara
 10, 195, 0, -1903, 0, 0, 0, SLE_rara
 11, 195, 0, -2076, 0, 0, 0, SLE_rara
 12, 0, 0, -2253, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T1] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2843, 0, 0, 0, SLE_rara
 10, 97, 0, -3015, 0, 0, 0, SLE_rara
 11, 97, 0, -3184, 0, 0, 0, SLE_rara
 12, 0, 0, -3357, 0, 0, 0, SLE_rara


; End of data for load case [SLE_rar_gr3_Fre/avv_T1] -----

*USE-STLD, SLE_rar_gr1+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2557, 0, 0, 0, SLE_rara
 10, 298, 0, -2974, 0, 0, 0, SLE_rara
 11, 298, 0, -3383, 0, 0, 0, SLE_rara
 12, 0, 0, -3800, 0, 0, 0, SLE_rara

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; End of data for load case [SLE_rar_gr1+vento_T1] -----

*USE-STLD, SLE_rar_gr2+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1640, 0, 0, 0, SLE_rara
 10, 298, 0, -1973, 0, 0, 0, SLE_rara
 11, 298, 0, -2299, 0, 0, 0, SLE_rara
 12, 0, 0, -2632, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T1] -----

*USE-STLD, SLE_rar_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2756, 0, 0, 0, SLE_rara
 10, 201, 0, -3085, 0, 0, 0, SLE_rara
 11, 201, 0, -3407, 0, 0, 0, SLE_rara
 12, 0, 0, -3736, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T1] -----

*USE-STLD, SLE_rar_vento_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T1] -----

*USE-STLD, SLE_rar_vento_gr3_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T1] -----

*USE-STLD, SLE_rar_gr1_Treno_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2798, 0, 0, 0, SLE_rara

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10, 195, 0, -3033, 0, 0, 0, SLE_rara
 11, 195, 0, -3263, 0, 0, 0, SLE_rara
 12, 0, 0, -3498, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T2] -----

*USE-STLD, SLE_rar_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1727, 0, 0, 0, SLE_rara
 10, 195, 0, -1903, 0, 0, 0, SLE_rara
 11, 195, 0, -2076, 0, 0, 0, SLE_rara
 12, 0, 0, -2253, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T2] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2997, 0, 0, 0, SLE_rara
 10, 97, 0, -3143, 0, 0, 0, SLE_rara
 11, 97, 0, -3287, 0, 0, 0, SLE_rara
 12, 0, 0, -3434, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T2] -----

*USE-STLD, SLE_rar_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2711, 0, 0, 0, SLE_rara
 10, 298, 0, -3102, 0, 0, 0, SLE_rara
 11, 298, 0, -3486, 0, 0, 0, SLE_rara
 12, 0, 0, -3877, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T2] -----

*USE-STLD, SLE_rar_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -1640, 0, 0, 0, SLE_rara
 10, 298, 0, -1973, 0, 0, 0, SLE_rara
 11, 298, 0, -2299, 0, 0, 0, SLE_rara
 12, 0, 0, -2632, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T2] -----


*USE-STLD, SLE_rar_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 9, 0, 0, -2910, 0, 0, 0, SLE_rara
 10, 201, 0, -3213, 0, 0, 0, SLE_rara
 11, 201, 0, -3510, 0, 0, 0, SLE_rara
 12, 0, 0, -3813, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr1_T2

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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr1_T2] -----

*USE-STLD, SLE_rar_vento_gr2_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr2_T2] -----

*USE-STLD, SLE_rar_vento_gr3_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr3_T2] -----

*USE-STLD, SLE_rar_gr1_Treno_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1740, 0, 0, 0, SLE_rara
 10, 195, 0, -2291, 0, 0, 0, SLE_rara
 11, 195, 0, -2832, 0, 0, 0, SLE_rara
 12, 0, 0, -3383, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr1_Treno_T3] -----

*USE-STLD, SLE_rar_gr2_Scarico_T3


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1727, 0, 0, 0, SLE_rara
 10, 195, 0, -1903, 0, 0, 0, SLE_rara
 11, 195, 0, -2076, 0, 0, 0, SLE_rara
 12, 0, 0, -2253, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr2_Scarico_T3] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1938, 0, 0, 0, SLE_rara
 10, 97, 0, -2401, 0, 0, 0, SLE_rara
 11, 97, 0, -2856, 0, 0, 0, SLE_rara
 12, 0, 0, -3318, 0, 0, 0, SLE_rara
```

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	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

; End of data for load case [SLE_rar_gr3_Fre/avv_T3] -----

*USE-STLD, SLE_rar_gr1+vento_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1653, 0, 0, 0, SLE_rara
 10, 298, 0, -2360, 0, 0, 0, SLE_rara
 11, 298, 0, -3055, 0, 0, 0, SLE_rara
 12, 0, 0, -3762, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr1+vento_T3] -----

*USE-STLD, SLE_rar_gr2+vento_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1640, 0, 0, 0, SLE_rara
 10, 298, 0, -1973, 0, 0, 0, SLE_rara
 11, 298, 0, -2299, 0, 0, 0, SLE_rara
 12, 0, 0, -2632, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr2+vento_T3] -----

*USE-STLD, SLE_rar_gr3+vento_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1852, 0, 0, 0, SLE_rara
 10, 201, 0, -2471, 0, 0, 0, SLE_rara
 11, 201, 0, -3079, 0, 0, 0, SLE_rara
 12, 0, 0, -3698, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_gr3+vento_T3] -----

*USE-STLD, SLE_rar_vento_gr1_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr1_T3] -----

*USE-STLD, SLE_rar_vento_gr2_T3


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_rara
 10, 173, 0, -2004, 0, 0, 0, SLE_rara
 11, 173, 0, -2260, 0, 0, 0, SLE_rara
 12, 0, 0, -2520, 0, 0, 0, SLE_rara
```

; End of data for load case [SLE_rar_vento_gr2_T3] -----

*USE-STLD, SLE_rar_vento_gr3_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
```

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	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

```

9, 0, 0, -1743, 0, 0, 0, SLE_rara
10, 173, 0, -2004, 0, 0, 0, SLE_rara
11, 173, 0, -2260, 0, 0, 0, SLE_rara
12, 0, 0, -2520, 0, 0, 0, SLE_rara

```

; End of data for load case [SLE_rar_vento_gr3_T3] -----

*USE-STLD, E_103x_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1908, 0, 0, 0, SLD
10, 429, 0, -2188, 0, 0, 0, SLD
11, 429, 0, -2463, 0, 0, 0, SLD
12, 0, 0, -2743, 0, 0, 0, SLD

```

; End of data for load case [E_103x_SLD_T1] -----

*USE-STLD, E_103y_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -708, 0, 0, 0, SLD
10, 1431, 0, -1602, 0, 0, 0, SLD
11, 1431, 0, -2480, 0, 0, 0, SLD
12, 0, 0, -3375, 0, 0, 0, SLD

```

; End of data for load case [E_103y_SLD_T1] -----

*USE-STLD, E_103z_SLD_T1

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1752, 0, 0, 0, SLD
10, 429, 0, -2032, 0, 0, 0, SLD
11, 429, 0, -2307, 0, 0, 0, SLD
12, 0, 0, -2587, 0, 0, 0, SLD

```

; End of data for load case [E_103z_SLD_T1] -----

*USE-STLD, E_103x_SLD_T2

```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -1939, 0, 0, 0, SLD
10, 429, 0, -2214, 0, 0, 0, SLD
11, 429, 0, -2484, 0, 0, 0, SLD
12, 0, 0, -2759, 0, 0, 0, SLD

```

; End of data for load case [E_103x_SLD_T2] -----

*USE-STLD, E_103y_SLD_T2


```

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, 0, 0, -739, 0, 0, 0, SLD
10, 1431, 0, -1628, 0, 0, 0, SLD
11, 1431, 0, -2501, 0, 0, 0, SLD
12, 0, 0, -3390, 0, 0, 0, SLD

```

; End of data for load case [E_103y_SLD_T2] -----

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

*USE-STLD, E_103z_SLD_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1783, 0, 0, 0, SLD
  10, 429, 0, -2058, 0, 0, 0, SLD
  11, 429, 0, -2328, 0, 0, 0, SLD
  12, 0, 0, -2603, 0, 0, 0, SLD
```

; End of data for load case [E_103z_SLD_T2] -----

*USE-STLD, E_103x_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1727, 0, 0, 0, SLD
  10, 429, 0, -2065, 0, 0, 0, SLD
  11, 429, 0, -2397, 0, 0, 0, SLD
  12, 0, 0, -2736, 0, 0, 0, SLD
```

; End of data for load case [E_103x_SLD_T3] -----

*USE-STLD, E_103y_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -527, 0, 0, 0, SLD
  10, 1431, 0, -1480, 0, 0, 0, SLD
  11, 1431, 0, -2415, 0, 0, 0, SLD
  12, 0, 0, -3367, 0, 0, 0, SLD
```

; End of data for load case [E_103y_SLD_T3] -----

*USE-STLD, E_103z_SLD_T3

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -1571, 0, 0, 0, SLD
  10, 429, 0, -1909, 0, 0, 0, SLD
  11, 429, 0, -2241, 0, 0, 0, SLD
  12, 0, 0, -2580, 0, 0, 0, SLD
```

; End of data for load case [E_103z_SLD_T3] -----

*USE-STLD, SLE_rar_gr4_Centrif_T1


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2384, 0, 0, 0, SLE_fess
  10, 117, 0, -2540, 0, 0, 0, SLE_fess
  11, 117, 0, -2693, 0, 0, 0, SLE_fess
  12, 0, 0, -2850, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_gr4_Centrif_T1] -----

*USE-STLD, SLE_rar_gr4+vento_T1

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   9, 0, 0, -2297, 0, 0, 0, SLE_fess
  10, 221, 0, -2609, 0, 0, 0, SLE_fess
  11, 221, 0, -2916, 0, 0, 0, SLE_fess
```

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	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

12, 0, 0, -3229, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr4_T1

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_fess
 10, 173, 0, -2004, 0, 0, 0, SLE_fess
 11, 173, 0, -2260, 0, 0, 0, SLE_fess
 12, 0, 0, -2520, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_vento_gr4_T1] -----

*USE-STLD, SLE_rar_gr4_Centrif_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2476, 0, 0, 0, SLE_fess
 10, 117, 0, -2617, 0, 0, 0, SLE_fess
 11, 117, 0, -2755, 0, 0, 0, SLE_fess
 12, 0, 0, -2896, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_gr4_Centrif_T2] -----

*USE-STLD, SLE_rar_gr4+vento_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -2389, 0, 0, 0, SLE_fess
 10, 221, 0, -2686, 0, 0, 0, SLE_fess
 11, 221, 0, -2978, 0, 0, 0, SLE_fess
 12, 0, 0, -3275, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_gr4+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr4_T2

```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_fess
 10, 173, 0, -2004, 0, 0, 0, SLE_fess
 11, 173, 0, -2260, 0, 0, 0, SLE_fess
 12, 0, 0, -2520, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_vento_gr4_T2] -----

*USE-STLD, SLE_rar_gr4_Centrif_T3


```
*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1841, 0, 0, 0, SLE_fess
 10, 117, 0, -2172, 0, 0, 0, SLE_fess
 11, 117, 0, -2496, 0, 0, 0, SLE_fess
 12, 0, 0, -2827, 0, 0, 0, SLE_fess
```

; End of data for load case [SLE_rar_gr4_Centrif_T3] -----

*USE-STLD, SLE_rar_gr4+vento_T3

```
*CONLOAD      ; Nodal Loads
```

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```

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1754, 0, 0, 0, SLE_fess
 10, 221, 0, -2241, 0, 0, 0, SLE_fess
 11, 221, 0, -2719, 0, 0, 0, SLE_fess
 12, 0, 0, -3206, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T3] -----

*USE-STLD, SLE_rar_vento_gr4_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1743, 0, 0, 0, SLE_fess
 10, 173, 0, -2004, 0, 0, 0, SLE_fess
 11, 173, 0, -2260, 0, 0, 0, SLE_fess
 12, 0, 0, -2520, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T3] -----

*USE-STLD, SLE_qp_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1891, 0, 0, 0, SLE_qp
 10, 0, 0, -1891, 0, 0, 0, SLE_qp
 11, 0, 0, -1891, 0, 0, 0, SLE_qp
 12, 0, 0, -1891, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T1] -----

*USE-STLD, SLE_qp_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1891, 0, 0, 0, SLE_qp
 10, 0, 0, -1891, 0, 0, 0, SLE_qp
 11, 0, 0, -1891, 0, 0, 0, SLE_qp
 12, 0, 0, -1891, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T2] -----

*USE-STLD, SLE_qp_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -1891, 0, 0, 0, SLE_qp
 10, 0, 0, -1891, 0, 0, 0, SLE_qp
 11, 0, 0, -1891, 0, 0, 0, SLE_qp
 12, 0, 0, -1891, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T3] -----


*USE-STLD, A1_SLU_Scalz_gr3_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  9, 0, 0, -3532, 0, 0, 0, SLU
 10, 85, 0, -3682, 0, 0, 0, SLU
 11, 85, 0, -3829, 0, 0, 0, SLU
 12, 0, 0, -3979, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T1] -----

```

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```

*LOADCOMB      ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE, nSEISTYPE      ; line
1
; ANAL1, LCNAME1, FACT1, ... ; from
line 2
NAME=SLU_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, A1_SLU_gr1_Treno_T1, 1, ST, A1_SLU_gr2_Scarico_T1, 1
  ST, A1_SLU_gr3_Fre/avv_T1, 1, ST, A1_SLU_gr1+vento_T1, 1
  ST, A1_SLU_gr2+vento_T1, 1, ST, A1_SLU_gr3+vento_T1, 1
  ST, A1_SLU_vento_gr1_T1, 1, ST, A1_SLU_vento_gr2_T1, 1
  ST, A1_SLU_vento_gr3_T1, 1, ST, A1_SLU_Scalz_gr1_T1, 1
  ST, A1_SLU_Scalz_gr2_T1, 1, ST, A1_SLU_gr1_Treno_T2, 1
  ST, A1_SLU_gr2_Scarico_T2, 1, ST, A1_SLU_gr3_Fre/avv_T2, 1
  ST, A1_SLU_gr1+vento_T2, 1, ST, A1_SLU_gr2+vento_T2, 1
  ST, A1_SLU_gr3+vento_T2, 1, ST, A1_SLU_vento_gr1_T2, 1
  ST, A1_SLU_vento_gr2_T2, 1, ST, A1_SLU_vento_gr3_T2, 1
  ST, A1_SLU_Scalz_gr1_T2, 1, ST, A1_SLU_Scalz_gr2_T2, 1
  ST, A1_SLU_Scalz_gr3_T2, 1, ST, A1_SLU_gr1_Treno_T3, 1
  ST, A1_SLU_gr2_Scarico_T3, 1, ST, A1_SLU_gr3_Fre/avv_T3, 1
  ST, A1_SLU_gr1+vento_T3, 1, ST, A1_SLU_gr2+vento_T3, 1
  ST, A1_SLU_gr3+vento_T3, 1, ST, A1_SLU_vento_gr1_T3, 1
  ST, A1_SLU_vento_gr2_T3, 1, ST, A1_SLU_vento_gr3_T3, 1
  ST, A1_SLU_Scalz_gr1_T3, 1, ST, A1_SLU_Scalz_gr2_T3, 1
  ST, A1_SLU_Scalz_gr3_T3, 1, ST, A1_SLU_Scalz_gr3_T1, 1
NAME=SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, E_103x_SLV_T1, 1, ST, E_103y_SLV_T1, 1, ST, E_103z_SLV_T1, 1
  ST, E_103x_SLV_T2, 1, ST, E_103y_SLV_T2, 1, ST, E_103z_SLV_T2, 1
  ST, E_103x_SLV_T3, 1, ST, E_103y_SLV_T3, 1, ST, E_103z_SLV_T3, 1
NAME=SLE_rara_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, SLE_rar_gr1_Treno_T1, 1, ST, SLE_rar_gr2_Scarico_T1, 1
  ST, SLE_rar_gr3_Fre/avv_T1, 1, ST, SLE_rar_gr1+vento_T1, 1
  ST, SLE_rar_gr2+vento_T1, 1, ST, SLE_rar_gr3+vento_T1, 1
  ST, SLE_rar_vento_gr1_T1, 1, ST, SLE_rar_vento_gr2_T1, 1
  ST, SLE_rar_vento_gr3_T1, 1, ST, SLE_rar_gr1_Treno_T2, 1
  ST, SLE_rar_gr2_Scarico_T2, 1, ST, SLE_rar_gr3_Fre/avv_T2, 1
  ST, SLE_rar_gr1+vento_T2, 1, ST, SLE_rar_gr2+vento_T2, 1
  ST, SLE_rar_gr3+vento_T2, 1, ST, SLE_rar_vento_gr1_T2, 1
  ST, SLE_rar_vento_gr2_T2, 1, ST, SLE_rar_vento_gr3_T2, 1
  ST, SLE_rar_gr1_Treno_T3, 1, ST, SLE_rar_gr2_Scarico_T3, 1
  ST, SLE_rar_gr3_Fre/avv_T3, 1, ST, SLE_rar_gr1+vento_T3, 1
  ST, SLE_rar_gr2+vento_T3, 1, ST, SLE_rar_gr3+vento_T3, 1
  ST, SLE_rar_vento_gr1_T3, 1, ST, SLE_rar_vento_gr2_T3, 1
  ST, SLE_rar_vento_gr3_T3, 1
NAME=SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, E_103x_SLD_T1, 1, ST, E_103y_SLD_T1, 1, ST, E_103z_SLD_T1, 1
  ST, E_103x_SLD_T2, 1, ST, E_103y_SLD_T2, 1, ST, E_103z_SLD_T2, 1
  ST, E_103x_SLD_T3, 1, ST, E_103y_SLD_T3, 1, ST, E_103z_SLD_T3, 1
NAME=SLE_fess_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, SLE_rar_gr4_Centrif_T1, 1, ST, SLE_rar_gr4+vento_T1, 1
  ST, SLE_rar_vento_gr4_T1, 1, ST, SLE_rar_gr4_Centrif_T2, 1
  ST, SLE_rar_gr4+vento_T2, 1, ST, SLE_rar_vento_gr4_T2, 1
  ST, SLE_rar_gr4_Centrif_T3, 1, ST, SLE_rar_gr4+vento_T3, 1
  ST, SLE_rar_vento_gr4_T3, 1
NAME=SLE_qp_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  ST, SLE_qp_T1, 1, ST, SLE_qp_T2, 1, ST, SLE_qp_T3, 1
NAME=SLU-SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  CB, SLU_Env, 1, CB, SLV_Env, 1
NAME=SLE-SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
  CB, SLE_rara_Env, 1, CB, SLD_Env, 1

```

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```

*LC-COLOR      ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
iG2(MAX), iB2(MAX)
ST, Al_SLU_gr1_Treno_T1, 160, 192, 255, 0, 128, 57, 192, 128, 0
ST, Al_SLU_gr2_Scarico_T1, 93, 255, 87, 146, 0, 255, 255, 160, 255
ST, Al_SLU_gr3_Fre/avv_T1, 255, 87, 128, 192, 128, 0, 192, 192, 0
ST, Al_SLU_gr1+vento_T1, 210, 210, 210, 255, 255, 87, 163, 160, 255
ST, Al_SLU_gr2+vento_T1, 0, 128, 192, 192, 128, 0, 163, 255, 160
ST, Al_SLU_gr3+vento_T1, 255, 255, 255, 192, 192, 0, 210, 210, 210
ST, Al_SLU_vento_gr1_T1, 160, 192, 255, 255, 87, 87, 0, 128, 255
ST, Al_SLU_vento_gr2_T1, 78, 0, 255, 255, 87, 87, 146, 0, 255
ST, Al_SLU_vento_gr3_T1, 0, 128, 255, 0, 192, 192, 85, 0, 192
ST, Al_SLU_Scalz_gr1_T1, 255, 0, 192, 192, 128, 0, 255, 255, 255
ST, Al_SLU_Scalz_gr2_T1, 0, 192, 192, 0, 128, 255, 0, 128, 128
ST, Al_SLU_gr1_Treno_T2, 255, 87, 87, 0, 192, 128, 255, 255, 87
ST, Al_SLU_gr2_Scarico_T2, 212, 160, 255, 255, 87, 128, 160, 255, 255
ST, Al_SLU_gr3_Fre/avv_T2, 255, 87, 128, 146, 0, 255, 163, 160, 255
ST, Al_SLU_gr1+vento_T2, 255, 255, 255, 160, 192, 255, 0, 192, 192
ST, Al_SLU_gr2+vento_T2, 0, 192, 192, 0, 157, 192, 255, 128, 0
ST, Al_SLU_gr3+vento_T2, 255, 87, 87, 192, 0, 128, 255, 87, 87
ST, Al_SLU_vento_gr1_T2, 210, 210, 210, 0, 192, 192, 192, 192, 192
ST, Al_SLU_vento_gr2_T2, 192, 192, 192, 85, 192, 0, 0, 128, 192
ST, Al_SLU_vento_gr3_T2, 0, 128, 128, 255, 192, 87, 192, 192, 0
ST, Al_SLU_Scalz_gr1_T2, 255, 192, 87, 255, 128, 0, 255, 0, 128
ST, Al_SLU_Scalz_gr2_T2, 85, 0, 192, 0, 128, 128, 255, 87, 87
ST, Al_SLU_Scalz_gr3_T2, 0, 157, 192, 255, 160, 255, 146, 0, 255
ST, Al_SLU_gr1_Treno_T3, 192, 192, 0, 0, 192, 192, 146, 0, 255
ST, Al_SLU_gr2_Scarico_T3, 192, 72, 0, 255, 128, 0, 163, 255, 160
ST, Al_SLU_gr3_Fre/avv_T3, 255, 128, 0, 210, 210, 210, 192, 128, 0
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ST, Al_SLU_gr2+vento_T3, 0, 157, 192, 255, 255, 87, 0, 128, 255
ST, Al_SLU_gr3+vento_T3, 255, 255, 255, 255, 128, 0, 255, 255, 255
ST, Al_SLU_vento_gr1_T3, 0, 128, 57, 255, 0, 192, 0, 128, 57
ST, Al_SLU_vento_gr2_T3, 210, 210, 210, 255, 87, 87, 163, 255, 160
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ST, Al_SLU_Scalz_gr1_T3, 212, 160, 255, 255, 87, 128, 192, 0, 192
ST, Al_SLU_Scalz_gr2_T3, 85, 0, 192, 0, 192, 128, 0, 128, 192
ST, Al_SLU_Scalz_gr3_T3, 128, 192, 0, 0, 128, 192, 255, 192, 87
ST, E_103x_SLV_T1, 163, 255, 160, 163, 160, 255, 255, 192, 160
ST, E_103y_SLV_T1, 255, 87, 128, 0, 128, 192, 255, 192, 160
ST, E_103z_SLV_T1, 192, 128, 0, 255, 192, 87, 0, 192, 128
ST, E_103x_SLV_T2, 146, 0, 255, 148, 87, 255, 78, 0, 255
ST, E_103y_SLV_T2, 210, 210, 210, 0, 128, 57, 0, 192, 128
ST, E_103z_SLV_T2, 85, 0, 192, 85, 192, 0, 0, 128, 255
ST, E_103x_SLV_T3, 128, 192, 0, 0, 128, 255, 148, 87, 255
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ST, SLE_rar_gr1_Treno_T1, 192, 72, 0, 192, 192, 0, 0, 157, 192
ST, SLE_rar_gr2_Scarico_T1, 255, 192, 87, 85, 0, 192, 93, 255, 87
ST, SLE_rar_gr3_Fre/avv_T1, 146, 0, 255, 192, 128, 0, 192, 128, 0
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ST, SLE_rar_gr3+vento_T1, 255, 87, 128, 255, 255, 255, 192, 128, 0
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ST, SLE_rar_vento_gr2_T1, 85, 192, 0, 163, 255, 160, 255, 192, 160
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PROJECT TITLE :

MIDAS	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Misto_Trasv


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ST, SLE_rar_vento_gr2_T2, 85, 192, 0, 160, 192, 255, 85, 0, 192
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ST, SLE_rar_gr1_Treno_T3, 93, 255, 87, 255, 0, 192, 255, 192, 160
ST, SLE_rar_gr2_Scarico_T3, 160, 192, 255, 0, 128, 128, 148, 87, 255
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ST, SLE_rar_vento_gr3_T3, 192, 192, 192, 0, 128, 192, 255, 160, 255
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ST, E_103x_SLD_T2, 0, 128, 192, 148, 87, 255, 148, 87, 255
ST, E_103y_SLD_T2, 255, 192, 87, 192, 128, 0, 212, 160, 255
ST, E_103z_SLD_T2, 0, 157, 192, 255, 255, 255, 146, 0, 255
ST, E_103x_SLD_T3, 255, 192, 87, 255, 255, 87, 255, 128, 0
ST, E_103y_SLD_T3, 160, 255, 255, 255, 192, 87, 255, 0, 192
ST, E_103z_SLD_T3, 0, 192, 128, 255, 160, 255, 255, 192, 87
ST, SLE_rar_gr4_Centrif_T1, 0, 128, 128, 0, 128, 255, 0, 192, 128
ST, SLE_rar_gr4+vento_T1, 255, 255, 87, 255, 255, 87, 148, 87, 255
ST, SLE_rar_vento_gr4_T1, 255, 255, 87, 255, 192, 87, 78, 0, 255
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ST, SLE_rar_gr4_Centrif_T3, 0, 192, 128, 255, 192, 87, 255, 87, 128
ST, SLE_rar_gr4+vento_T3, 146, 0, 255, 255, 255, 255, 85, 0, 192
ST, SLE_rar_vento_gr4_T3, 255, 128, 0, 85, 0, 192, 0, 128, 128
ST, SLE_qp_T1, 255, 255, 87, 192, 72, 0, 160, 192, 255
ST, SLE_qp_T2, 212, 160, 255, 0, 128, 255, 192, 192, 192
ST, SLE_qp_T3, 255, 87, 87, 212, 160, 255, 85, 0, 192
ST, Al_SLU_Scalz_gr3_T1, 255, 128, 0, 146, 0, 255, 93, 255, 87
CB, SLU_Env, 255, 0, 128, 192, 192, 0, 85, 192, 0
CB, SLV_Env, 148, 87, 255, 192, 0, 128, 255, 87, 87
CB, SLE_rara_Env, 85, 192, 0, 163, 255, 160, 255, 192, 87
CB, SLD_Env, 0, 128, 128, 85, 0, 192, 78, 0, 255
CB, SLE_fess_Env, 255, 87, 87, 210, 210, 210, 255, 255, 255
CB, SLE_qp_Env, 78, 0, 255, 192, 0, 192, 0, 128, 255
CB, SLU-SLV_Env, 255, 0, 192, 85, 0, 192, 255, 128, 0
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ST, Orizzontali, 93, 255, 87, 0, 128, 192, 0, 128, 192
CB, SLE-SLD_Env, 255, 255, 255, 255, 160, 255, 148, 87, 255
    
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*DGN-MATL ; Modify Steel(Concrete) Material
; iMAT, TYPE, MNAME, [DATA1] ; STEEL
; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG ; CONC
; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC
; iMAT, TYPE, MNAME, [DATA5] ; STEEL(None) & KSCE-A
SD05
; [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
; [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
; FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
; [DATA4] : 1, DB, CODE, NAME or 2, FC
; [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
; MIN1, MIN2, MIN3
; [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
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, , 0, NO, 1, , , 0, 0, 0
    
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PROJECT TITLE :

	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Misto_Trasv


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, 1
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PROJECT TITLE :

MIDAS	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino_CAP-Misto_Trasv	

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

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PROJECT TITLE :

MIDAS	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Misto_Trasv

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv

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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Misto_Trasv


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*ENDDATA

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

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**      MIDAS/Civil V.8.9.5      Modeling, Integrated Design & Analysis Software
**
**      CIVIL STRUCTURE DESIGN SYSTEM
**
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    XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
   XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
  XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Civil

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VERSION 8.9.5

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MIDAS TEAM


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ANALYSIS RESULT OUTPUT

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
A1_SLU~1	A1_SLU_gr1_Treno_T1	Static	
A1_SLU~2	A1_SLU_gr2_Scarico_T1	Static	
A1_SLU~3	A1_SLU_gr3_Fre_avv_T1	Static	
A1_SLU~4	A1_SLU_gr1+vento_T1	Static	
A1_SLU~5	A1_SLU_gr2+vento_T1	Static	
A1_SLU~6	A1_SLU_gr3+vento_T1	Static	
A1_SLU~7	A1_SLU_vento_gr1_T1	Static	
A1_SLU~8	A1_SLU_vento_gr2_T1	Static	
A1_SLU~9	A1_SLU_vento_gr3_T1	Static	
A1_SLU~0	A1_SLU_Scalz_gr1_T1	Static	
A1_SLU~1	A1_SLU_Scalz_gr2_T1	Static	
A1_SLU~2	A1_SLU_gr1_Treno_T2	Static	
A1_SLU~3	A1_SLU_gr2_Scarico_T2	Static	
A1_SLU~4	A1_SLU_gr3_Fre_avv_T2	Static	
A1_SLU~5	A1_SLU_gr1+vento_T2	Static	
A1_SLU~6	A1_SLU_gr2+vento_T2	Static	
A1_SLU~7	A1_SLU_gr3+vento_T2	Static	
A1_SLU~8	A1_SLU_vento_gr1_T2	Static	
A1_SLU~9	A1_SLU_vento_gr2_T2	Static	
A1_SLU~10	A1_SLU_vento_gr3_T2	Static	
A1_SLU~11	A1_SLU_Scalz_gr1_T2	Static	
A1_SLU~12	A1_SLU_Scalz_gr2_T2	Static	
A1_SLU~13	A1_SLU_Scalz_gr3_T2	Static	
A1_SLU~14	A1_SLU_gr1_Treno_T3	Static	
A1_SLU~15	A1_SLU_gr2_Scarico_T3	Static	
A1_SLU~16	A1_SLU_gr3_Fre_avv_T3	Static	
A1_SLU~17	A1_SLU_gr1+vento_T3	Static	
A1_SLU~18	A1_SLU_gr2+vento_T3	Static	
A1_SLU~19	A1_SLU_gr3+vento_T3	Static	
A1_SLU~20	A1_SLU_vento_gr1_T3	Static	
A1_SLU~21	A1_SLU_vento_gr2_T3	Static	
A1_SLU~22	A1_SLU_vento_gr3_T3	Static	
A1_SLU~23	A1_SLU_Scalz_gr1_T3	Static	
A1_SLU~24	A1_SLU_Scalz_gr2_T3	Static	
A1_SLU~25	A1_SLU_Scalz_gr3_T3	Static	
A1_SLU~26	A1_SLU_Scalz_gr3_T1	Static	
E_103x~1	E_103x_SLV_T1	Static	
E_103y~1	E_103y_SLV_T1	Static	
E_103z~1	E_103z_SLV_T1	Static	
E_103x~2	E_103x_SLV_T2	Static	
E_103y~2	E_103y_SLV_T2	Static	
E_103z~2	E_103z_SLV_T2	Static	
E_103x~3	E_103x_SLV_T3	Static	
E_103y~3	E_103y_SLV_T3	Static	
E_103z~3	E_103z_SLV_T3	Static	
SLE_ra~1	SLE_rar_gr1_Treno_T1	Static	
SLE_ra~2	SLE_rar_gr2_Scarico_T1	Static	
SLE_ra~3	SLE_rar_gr3_Fre_avv_T1	Static	
SLE_ra~4	SLE_rar_gr1+vento_T1	Static	
SLE_ra~5	SLE_rar_gr2+vento_T1	Static	
SLE_ra~6	SLE_rar_gr3+vento_T1	Static	
SLE_ra~7	SLE_rar_vento_gr1_T1	Static	
SLE_ra~8	SLE_rar_vento_gr2_T1	Static	
SLE_ra~9	SLE_rar_vento_gr3_T1	Static	
SLE_ra~0	SLE_rar_gr1_Treno_T2	Static	
SLE_ra~1	SLE_rar_gr2_Scarico_T2	Static	
SLE_ra~2	SLE_rar_gr3_Fre_avv_T2	Static	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2


SLE_ra~3	SLE_rar_gr1+vento_T2	Static
SLE_ra~4	SLE_rar_gr2+vento_T2	Static
SLE_ra~5	SLE_rar_gr3+vento_T2	Static
SLE_ra~6	SLE_rar_vento_gr1_T2	Static
SLE_ra~7	SLE_rar_vento_gr2_T2	Static
SLE_ra~8	SLE_rar_vento_gr3_T2	Static
SLE_ra~9	SLE_rar_gr1_Treno_T3	Static
SLE_ra~10	SLE_rar_gr2_Scarico_T3	Static
SLE_ra~11	SLE_rar_gr3_Fre_avv_T3	Static
SLE_ra~12	SLE_rar_gr1+vento_T3	Static
SLE_ra~13	SLE_rar_gr2+vento_T3	Static
SLE_ra~14	SLE_rar_gr3+vento_T3	Static
SLE_ra~15	SLE_rar_vento_gr1_T3	Static
SLE_ra~16	SLE_rar_vento_gr2_T3	Static
SLE_ra~17	SLE_rar_vento_gr3_T3	Static
E_103x~4	E_103x_SLD_T1	Static
E_103y~4	E_103y_SLD_T1	Static
E_103z~4	E_103z_SLD_T1	Static
E_103x~5	E_103x_SLD_T2	Static
E_103y~5	E_103y_SLD_T2	Static
E_103z~5	E_103z_SLD_T2	Static
E_103x~6	E_103x_SLD_T3	Static
E_103y~6	E_103y_SLD_T3	Static
E_103z~6	E_103z_SLD_T3	Static
SLE_ra~18	SLE_rar_gr4_Centrif_T1	Static
SLE_ra~19	SLE_rar_gr4+vento_T1	Static
SLE_ra~20	SLE_rar_vento_gr4_T1	Static
SLE_ra~21	SLE_rar_gr4_Centrif_T2	Static
SLE_ra~22	SLE_rar_gr4+vento_T2	Static
SLE_ra~23	SLE_rar_vento_gr4_T2	Static
SLE_ra~24	SLE_rar_gr4_Centrif_T3	Static
SLE_ra~25	SLE_rar_gr4+vento_T3	Static
SLE_ra~26	SLE_rar_vento_gr4_T3	Static
SLE_qp~1	SLE_qp_T1	Static
SLE_qp~2	SLE_qp_T2	Static
SLE_qp~3	SLE_qp_T3	Static
SLE_ra~27	SLE_qp_T3	Gen.Envl
SLE_fe~1	SLE_fess_Env	Gen.Envl
SLE_qp~4	SLE_qp_Env	Gen.Envl
SLU-SL~1	SLU-SLV_Env	Gen.Envl
SLE-SL~1	SLE-SLD_Env	Gen.Envl

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>


[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env	Gen.Envl	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~10 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~14 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~18 ,

PROJECT TITLE :

	Company	Client		
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2
A1_SLU~22 ,		1.000 x A1_SLU~19 ,	1.000 x A1_SLU~20 ,	1.000 x A1_SLU~21 , 1.000 x
A1_SLU~26		1.000 x A1_SLU~23 ,	1.000 x A1_SLU~24 ,	1.000 x A1_SLU~25 , 1.000 x
SLV_Env	Gen.Env1	1.000 x E_103x~1 ,	1.000 x E_103y~1 ,	1.000 x E_103z~1 , 1.000 x
E_103x~2 ,		1.000 x E_103y~2 ,	1.000 x E_103z~2 ,	1.000 x E_103x~3 , 1.000 x E_1
03y~3 ,		1.000 x E_103z~3		
SLE_ra~27	Gen.Env1	1.000 x SLE_ra~1 ,	1.000 x SLE_ra~2 ,	1.000 x SLE_ra~3 , 1.000 x
SLE_ra~4 ,		1.000 x SLE_ra~5 ,	1.000 x SLE_ra~6 ,	1.000 x SLE_ra~7 , 1.000 x SLE
_ra~8 ,		1.000 x SLE_ra~9 ,	1.000 x SLE_ra~0 ,	1.000 x SLE_ra~1 , 1.000 x SLE
_ra~2 ,		1.000 x SLE_ra~3 ,	1.000 x SLE_ra~4 ,	1.000 x SLE_ra~5 , 1.000 x SLE
_ra~6 ,		1.000 x SLE_ra~7 ,	1.000 x SLE_ra~8 ,	1.000 x SLE_ra~9 , 1.000 x SLE
_ra~10 ,		1.000 x SLE_ra~11 ,	1.000 x SLE_ra~12 ,	1.000 x SLE_ra~13 , 1.000 x
SLE_ra~14 ,		1.000 x SLE_ra~15 ,	1.000 x SLE_ra~16 ,	1.000 x SLE_ra~17
SLD_Env	Gen.Env1	1.000 x E_103x~4 ,	1.000 x E_103y~4 ,	1.000 x E_103z~4 , 1.000 x
E_103x~5 ,		1.000 x E_103y~5 ,	1.000 x E_103z~5 ,	1.000 x E_103x~6 , 1.000 x E_1
03y~6 ,		1.000 x E_103z~6		
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 ,	1.000 x SLE_ra~19 ,	1.000 x SLE_ra~20 , 1.000
x SLE_ra~21 ,		1.000 x SLE_ra~22 ,	1.000 x SLE_ra~23 ,	1.000 x SLE_ra~24 , 1.000 x
SLE_ra~25 ,		1.000 x SLE_ra~26		
SLE_qp~4	Gen.Env1	1.000 x SLE_qp~1 ,	1.000 x SLE_qp~2 ,	1.000 x SLE_qp~3
SLU-SL~1	Gen.Env1	1.000 x SLU_Env ,	1.000 x SLV_Env	
SLE-SL~1	Gen.Env1	1.000 x SLE_ra~27 ,	1.000 x SLD_Env	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
--- No Abbreviation was defined in this Load Set. All names are less than 8 char.'s ---			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 , SLU~8 , SLU~2 , SLU~6 , SLU~10 , A1_SLU~14 , A1_SLU~18 , A1_SLU~22 , A1_SLU~26	Gen.Env1	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~19 , 1.000 x A1_SLU~20 , 1.000 x A1_SLU~21 , 1.000 x A1_SLU~23 , 1.000 x A1_SLU~24 , 1.000 x A1_SLU~25 , 1.000 x
SLV_Env E_103x~2 , 03y~3 ,	Gen.Env1	1.000 x E_103x~1 , 1.000 x E_103y~1 , 1.000 x E_103z~1 , 1.000 x E_103y~2 , 1.000 x E_103z~2 , 1.000 x E_103x~3 , 1.000 x E_103z~3
SLE_ra~27 SLE_ra~4 , _ra~8 , _ra~2 , _ra~6 , _ra~10 , SLE_ra~14 ,	Gen.Env1	1.000 x SLE_ra~1 , 1.000 x SLE_ra~2 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~6 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~0 , 1.000 x SLE_ra~1 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~4 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~8 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~11 , 1.000 x SLE_ra~12 , 1.000 x SLE_ra~13 , 1.000 x SLE_ra~15 , 1.000 x SLE_ra~16 , 1.000 x SLE_ra~17
SLD_Env E_103x~5 , 03y~6 ,	Gen.Env1	1.000 x E_103x~4 , 1.000 x E_103y~4 , 1.000 x E_103z~4 , 1.000 x E_103y~5 , 1.000 x E_103z~5 , 1.000 x E_103x~6 , 1.000 x E_103z~6
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 , 1.000 x SLE_ra~19 , 1.000 x SLE_ra~20 , 1.000


PROJECT TITLE :

	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino CAP-Misto_Trasv_output2	

x SLE_ra~21 ,
 SLE_ra~25 ,
 SLE_qp~4 Gen.Env1
 SLU-SL~1 Gen.Env1
 SLE-SL~1 Gen.Env1

1.000 x SLE_ra~22 , 1.000 x SLE_ra~23 , 1.000 x SLE_ra~24 , 1.000 x
 1.000 x SLE_ra~26
 1.000 x SLE_qp~1 , 1.000 x SLE_qp~2 , 1.000 x SLE_qp~3
 1.000 x SLU_Env , 1.000 x SLV_Env
 1.000 x SLE_ra~27 , 1.000 x SLD_Env

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.


Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	M
1	1	2	SLU_Env Max	I	-2012.3	0.0	217.8	0.0	26.1	
0.0				J	-2012.3	0.0	217.8	0.0	0.0	
0.0			Min	I	-3843.1	0.0	41.2	0.0	4.9	
0.0				J	-3843.1	0.0	41.2	0.0	0.0	
0.0			SLV_Env Max	I	445.9	0.0	1064.7	0.0	127.8	
0.0				J	445.9	0.0	1064.7	0.0	0.0	
0.0			Min	I	-1821.1	0.0	318.8	0.0	38.3	
0.0				J	-1821.1	0.0	318.8	0.0	0.0	
0.0			SLE_ra~2 Max	I	-1411.5	0.0	148.2	0.0	17.8	
0.0				J	-1411.5	0.0	148.2	0.0	0.0	
0.0			Min	I	-2668.1	0.0	47.4	0.0	5.7	
0.0				J	-2668.1	0.0	47.4	0.0	0.0	
0.0			SLD_Env Max	I	-121.9	0.0	714.1	0.0	85.7	
0.0				J	-121.9	0.0	714.1	0.0	0.0	
0.0			Min	I	-1657.0	0.0	213.5	0.0	25.6	
0.0				J	-1657.0	0.0	213.5	0.0	0.0	
0.0			SLE_fe~1 Max	I	-1525.0	0.0	109.7	0.0	13.2	
0.0				J	-1525.0	0.0	109.7	0.0	0.0	
0.0			Min	I	-2197.3	0.0	57.6	0.0	6.9	
0.0				J	-2197.3	0.0	57.6	0.0	0.0	
0.0			SLE_qp~4 Max	I	-1696.2	0.0	-0.6	0.0	-0.1	
0.0				J	-1696.2	0.0	-0.6	0.0	0.0	
0.0			Min	I	-1696.2	0.0	-0.6	0.0	-0.1	
0.0				J	-1696.2	0.0	-0.6	0.0	0.0	
0.0			SLU-SL~1 Max	I	445.9	0.0	1064.7	0.0	127.8	
0.0				J	445.9	0.0	1064.7	0.0	0.0	
0.0			Min	I	-3843.1	0.0	41.2	0.0	4.9	


PROJECT TITLE :

		Company			Client			
		Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2		
0.0			J	-3843.1	0.0	41.2	0.0	0.0
0.0		SLE-SL~1 Max	I	-121.9	0.0	714.1	0.0	85.7
0.0			J	-121.9	0.0	714.1	0.0	0.0
0.0		Min	I	-2668.1	0.0	47.4	0.0	5.7
0.0			J	-2668.1	0.0	47.4	0.0	0.0
2	1	2 SLU_Env Max	I	-2904.0	0.0	-42.2	0.0	0.0
0.0			J	-2904.0	0.0	-42.2	0.0	26.3
0.0		Min	I	-4991.7	0.0	-218.8	0.0	0.0
0.0			J	-4991.7	0.0	-218.8	0.0	5.1
0.0		SLV_Env Max	I	-1365.0	0.0	-319.8	0.0	0.0
0.0			J	-1365.0	0.0	-319.8	0.0	127.9
0.0		Min	I	-2614.4	0.0	-1066.0	0.0	0.0
0.0			J	-2614.4	0.0	-1066.0	0.0	38.4
0.0		SLE_ra~2 Max	I	-2027.9	0.0	-48.3	0.0	0.0
0.0			J	-2027.9	0.0	-48.3	0.0	17.9
0.0		Min	I	-3462.9	0.0	-148.8	0.0	0.0
0.0			J	-3462.9	0.0	-148.8	0.0	5.8
0.0		SLD_Env Max	I	-1416.1	0.0	-214.3	0.0	0.0
0.0			J	-1416.1	0.0	-214.3	0.0	85.8
0.0		Min	I	-2293.2	0.0	-715.1	0.0	0.0
0.0			J	-2293.2	0.0	-715.1	0.0	25.7
0.0		SLE_fe~1 Max	I	-2140.9	0.0	-58.3	0.0	0.0
0.0			J	-2140.9	0.0	-58.3	0.0	13.2
0.0		Min	I	-2876.1	0.0	-110.3	0.0	0.0
0.0			J	-2876.1	0.0	-110.3	0.0	7.0
0.0		SLE_qp~4 Max	I	-2085.8	0.0	0.1	0.0	0.0
0.0			J	-2085.8	0.0	0.1	0.0	-0.0
0.0		Min	I	-2085.8	0.0	0.1	0.0	0.0
0.0			J	-2085.8	0.0	0.1	0.0	-0.0
0.0		SLU-SL~1 Max	I	-1365.0	0.0	-42.2	0.0	0.0
0.0			J	-1365.0	0.0	-42.2	0.0	127.9


PROJECT TITLE :

		Company			Client					
		Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2				
0.0			Min	I	-4991.7	0.0	-1066.0	0.0	0.0	
0.0				J	-4991.7	0.0	-1066.0	0.0	5.1	
0.0										
			SLE-SL~1	Max	I	-1416.1	0.0	-48.3	0.0	0.0
0.0				J	-1416.1	0.0	-48.3	0.0	85.8	
0.0										
				Min	I	-3462.9	0.0	-715.1	0.0	0.0
0.0				J	-3462.9	0.0	-715.1	0.0	5.8	
0.0										
3	1	2	SLU_Env	Max	I	-3205.0	0.0	-42.7	0.0	0.0
0.0				J	-3205.0	0.0	-42.7	0.0	26.3	
0.0										
				Min	I	-5685.3	0.0	-219.3	0.0	0.0
0.0				J	-5685.3	0.0	-219.3	0.0	5.1	
0.0										
			SLV_Env	Max	I	-3103.8	0.0	-320.2	0.0	0.0
0.0				J	-3103.8	0.0	-320.2	0.0	128.1	
0.0										
				Min	I	-3419.5	0.0	-1067.1	0.0	0.0
0.0				J	-3419.5	0.0	-1067.1	0.0	38.4	
0.0										
			SLE_ra~2	Max	I	-2339.2	0.0	-48.6	0.0	0.0
0.0				J	-2339.2	0.0	-48.6	0.0	17.9	
0.0										
				Min	I	-3932.4	0.0	-149.2	0.0	0.0
0.0				J	-3932.4	0.0	-149.2	0.0	5.8	
0.0										
			SLD_Env	Max	I	-2574.8	0.0	-214.7	0.0	0.0
0.0				J	-2574.8	0.0	-214.7	0.0	85.9	
0.0										
				Min	I	-2838.3	0.0	-715.9	0.0	0.0
0.0				J	-2838.3	0.0	-715.9	0.0	25.8	
0.0										
			SLE_fe~1	Max	I	-2544.4	0.0	-58.6	0.0	0.0
0.0				J	-2544.4	0.0	-58.6	0.0	13.3	
0.0										
				Min	I	-3348.2	0.0	-110.7	0.0	0.0
0.0				J	-3348.2	0.0	-110.7	0.0	7.0	
0.0										
			SLE_qp~4	Max	I	-2085.7	0.0	-0.1	0.0	0.0
0.0				J	-2085.7	0.0	-0.1	0.0	0.0	
0.0										
				Min	I	-2085.7	0.0	-0.1	0.0	0.0
0.0				J	-2085.7	0.0	-0.1	0.0	0.0	
0.0										


PROJECT TITLE :

		Company					Client		
		Author	HP Inc.				File Name	Pulvino CAP-Misto_Trasv_output2	
0.0		SLU-SL~1	Max	I	-3103.8	0.0	-42.7	0.0	0.0
0.0				J	-3103.8	0.0	-42.7	0.0	128.1
0.0			Min	I	-5685.3	0.0	-1067.1	0.0	0.0
0.0				J	-5685.3	0.0	-1067.1	0.0	5.1
0.0		SLE-SL~1	Max	I	-2339.2	0.0	-48.6	0.0	0.0
0.0				J	-2339.2	0.0	-48.6	0.0	85.9
0.0			Min	I	-3932.4	0.0	-715.9	0.0	0.0
0.0				J	-3932.4	0.0	-715.9	0.0	5.8
4	1	2	SLU_Env	Max	I	-2760.6	0.0	220.8	0.0
0.0				J	-2760.6	0.0	220.8	0.0	0.0
0.0			Min	I	-5170.3	0.0	43.7	0.0	5.2
0.0				J	-5170.3	0.0	43.7	0.0	0.0
0.0		SLV_Env	Max	I	-3143.4	0.0	1068.3	0.0	128.2
0.0				J	-3143.4	0.0	1068.3	0.0	0.0
0.0			Min	I	-4643.1	0.0	321.1	0.0	38.5
0.0				J	-4643.1	0.0	321.1	0.0	0.0
0.0		SLE_ra~2	Max	I	-2081.0	0.0	150.2	0.0	18.0
0.0				J	-2081.0	0.0	150.2	0.0	0.0
0.0			Min	I	-3569.8	0.0	49.5	0.0	5.9
0.0				J	-3569.8	0.0	49.5	0.0	0.0
0.0		SLD_Env	Max	I	-2447.3	0.0	716.9	0.0	86.0
0.0				J	-2447.3	0.0	716.9	0.0	0.0
0.0			Min	I	-3586.8	0.0	215.3	0.0	25.8
0.0				J	-3586.8	0.0	215.3	0.0	0.0
0.0		SLE_fe~1	Max	I	-2314.0	0.0	111.5	0.0	13.4
0.0				J	-2314.0	0.0	111.5	0.0	0.0
0.0			Min	I	-3005.9	0.0	59.4	0.0	7.1
0.0				J	-3005.9	0.0	59.4	0.0	0.0
0.0		SLE_qp~4	Max	I	-1696.3	0.0	0.6	0.0	0.1
0.0				J	-1696.3	0.0	0.6	0.0	0.0
0.0			Min	I	-1696.3	0.0	0.6	0.0	0.1

PROJECT TITLE :

	Company			Client			
	Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2		
0.0		J	-1696.3	0.0	0.6	0.0	0.0
0.0	SIU-SL~1 Max	I	-2760.6	0.0	1068.3	0.0	128.2
0.0		J	-2760.6	0.0	1068.3	0.0	0.0
0.0	Min	I	-5170.3	0.0	43.7	0.0	5.2
0.0		J	-5170.3	0.0	43.7	0.0	0.0
0.0	SLE-SL~1 Max	I	-2081.0	0.0	716.9	0.0	86.0
0.0		J	-2081.0	0.0	716.9	0.0	0.0
0.0	Min	I	-3586.8	0.0	49.5	0.0	5.9
0.0		J	-3586.8	0.0	49.5	0.0	0.0

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

Node	LC		FX	FY	FZ	MX	MY	MZ
1	SLU_Env	Max	-41.2	0.0	3843.1	0.0	-4.9	0.0
		Min	-217.8	0.0	2012.3	0.0	-26.1	0.0
	SLV_Env	Max	-318.8	0.0	1821.1	0.0	-38.3	0.0
		Min	-1064.7	0.0	-445.9	0.0	-127.8	0.0
	SLE_ra~2	Max	-47.4	0.0	2668.1	0.0	-5.7	0.0
		Min	-148.2	0.0	1411.5	0.0	-17.8	0.0
	SLD_Env	Max	-213.5	0.0	1657.0	0.0	-25.6	0.0
		Min	-714.1	0.0	121.9	0.0	-85.7	0.0
	SLE_fe~1	Max	-57.6	0.0	2197.3	0.0	-6.9	0.0
		Min	-109.7	0.0	1525.0	0.0	-13.2	0.0
	SLE_qp~4	Max	0.6	0.0	1696.2	0.0	0.1	0.0
		Min	0.6	0.0	1696.2	0.0	0.1	0.0
	SLU-SL~1	Max	-41.2	0.0	3843.1	0.0	-4.9	0.0
		Min	-1064.7	0.0	-445.9	0.0	-127.8	0.0
SLE-SL~1	Max	-47.4	0.0	2668.1	0.0	-5.7	0.0	
	Min	-714.1	0.0	121.9	0.0	-85.7	0.0	
2	SLU_Env	Max	-42.2	0.0	4991.7	0.0	-5.1	0.0
		Min	-218.8	0.0	2904.0	0.0	-26.3	0.0
	SLV_Env	Max	-319.8	0.0	2614.4	0.0	-38.4	0.0
		Min	-1066.0	0.0	1365.0	0.0	-127.9	0.0
	SLE_ra~2	Max	-48.3	0.0	3462.9	0.0	-5.8	0.0
		Min	-148.8	0.0	2027.9	0.0	-17.9	0.0
	SLD_Env	Max	-214.3	0.0	2293.2	0.0	-25.7	0.0
		Min	-715.1	0.0	1416.1	0.0	-85.8	0.0
	SLE_fe~1	Max	-58.3	0.0	2876.1	0.0	-7.0	0.0
		Min	-110.3	0.0	2140.9	0.0	-13.2	0.0
	SLE_qp~4	Max	0.1	0.0	2085.8	0.0	0.0	0.0
		Min	0.1	0.0	2085.8	0.0	0.0	0.0
	SLU-SL~1	Max	-42.2	0.0	4991.7	0.0	-5.1	0.0
		Min	-1066.0	0.0	1365.0	0.0	-127.9	0.0
SLE-SL~1	Max	-48.3	0.0	3462.9	0.0	-5.8	0.0	
	Min	-715.1	0.0	1416.1	0.0	-85.8	0.0	
3	SLU_Env	Max	-42.7	0.0	5685.3	0.0	-5.1	0.0
		Min	-219.3	0.0	3205.0	0.0	-26.3	0.0
	SLV_Env	Max	-320.2	0.0	3419.5	0.0	-38.4	0.0
		Min	-1067.1	0.0	3103.8	0.0	-128.1	0.0
	SLE_ra~2	Max	-48.6	0.0	3932.4	0.0	-5.8	0.0
		Min	-149.2	0.0	2339.2	0.0	-17.9	0.0
	SLD_Env	Max	-214.7	0.0	2838.3	0.0	-25.8	0.0
		Min	-715.9	0.0	2574.8	0.0	-85.9	0.0

PROJECT TITLE :


	Company		Client	
	Author		File Name	
		HP Inc.		Pulvino CAP-Misto_Trasv_output2

	SLE_fe~1	Max	-58.6	0.0	3348.2	0.0	-7.0	0.0
		Min	-110.7	0.0	2544.4	0.0	-13.3	0.0
	SLE_qp~4	Max	-0.1	0.0	2085.7	0.0	-0.0	0.0
		Min	-0.1	0.0	2085.7	0.0	-0.0	0.0
	SLU-SL~1	Max	-42.7	0.0	5685.3	0.0	-5.1	0.0
		Min	-1067.1	0.0	3103.8	0.0	-128.1	0.0
	SLE-SL~1	Max	-48.6	0.0	3932.4	0.0	-5.8	0.0
		Min	-715.9	0.0	2339.2	0.0	-85.9	0.0
4	SLU_Env	Max	-43.7	0.0	5170.3	0.0	-5.2	0.0
		Min	-220.8	0.0	2760.6	0.0	-26.5	0.0
	SLV_Env	Max	-321.1	0.0	4643.1	0.0	-38.5	0.0
		Min	-1068.3	0.0	3143.4	0.0	-128.2	0.0
	SLE_ra~2	Max	-49.5	0.0	3569.8	0.0	-5.9	0.0
		Min	-150.2	0.0	2081.0	0.0	-18.0	0.0
	SLD_Env	Max	-215.3	0.0	3586.8	0.0	-25.8	0.0
		Min	-716.9	0.0	2447.3	0.0	-86.0	0.0
	SLE_fe~1	Max	-59.4	0.0	3005.9	0.0	-7.1	0.0
		Min	-111.5	0.0	2314.0	0.0	-13.4	0.0
	SLE_qp~4	Max	-0.6	0.0	1696.3	0.0	-0.1	0.0
		Min	-0.6	0.0	1696.3	0.0	-0.1	0.0
	SLU-SL~1	Max	-43.7	0.0	5170.3	0.0	-5.2	0.0
		Min	-1068.3	0.0	2760.6	0.0	-128.2	0.0
	SLE-SL~1	Max	-49.5	0.0	3586.8	0.0	-5.9	0.0
		Min	-716.9	0.0	2081.0	0.0	-86.0	0.0

SUMMATION OF REACTION FORCES

LC	SUM-FX	SUM-FY	SUM-FZ
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

TRUSS ELEMENT FORCES DEFAULT PRINTOUT

Unit System : kN , m

ELEM	MAT	SEC	LC		FORCE-I	FORCE-J
5	1	1	SLU_Env	Max	988.7	988.7
				Min	593.9	593.9
			SLV_Env	Max	1007.4	1007.4
				Min	674.4	674.4
			SLE_ra~2	Max	684.5	684.5
				Min	431.5	431.5
			SLD_Env	Max	785.4	785.4
				Min	513.7	513.7
			SLE_fe~1	Max	584.3	584.3
				Min	425.4	425.4
			SLE_qp~4	Max	383.3	383.3
				Min	383.3	383.3
			SLU-SL~1	Max	1007.4	1007.4
				Min	593.9	593.9
			SLE-SL~1	Max	785.4	785.4
				Min	431.5	431.5
6	1	1	SLU_Env	Max	558.4	558.4
				Min	318.8	318.8
			SLV_Env	Max	971.8	971.8
				Min	353.5	353.5
			SLE_ra~2	Max	386.2	386.2
				Min	236.0	236.0
			SLD_Env	Max	673.5	673.5
				Min	273.3	273.3
			SLE_fe~1	Max	328.0	328.0
				Min	247.3	247.3
			SLE_qp~4	Max	203.6	203.6
				Min	203.6	203.6
			SLU-SL~1	Max	971.8	971.8
				Min	318.8	318.8
			SLE-SL~1	Max	673.5	673.5
				Min	236.0	236.0
7	1	1	SLU_Env	Max	1085.5	1085.5
				Min	593.1	593.1
			SLV_Env	Max	868.1	868.1
				Min	610.4	610.4
			SLE_ra~2	Max	750.2	750.2
				Min	436.7	436.7
			SLD_Env	Max	677.9	677.9
				Min	484.5	484.5
			SLE_fe~1	Max	636.5	636.5
				Min	488.5	488.5
			SLE_qp~4	Max	383.3	383.3
				Min	383.3	383.3
			SLU-SL~1	Max	1085.5	1085.5
				Min	593.1	593.1
			SLE-SL~1	Max	750.2	750.2
				Min	436.7	436.7
8	1	1	SLU_Env	Max	205.6	205.6
				Min	30.6	30.6
			SLV_Env	Max	1165.4	1165.4
				Min	262.2	262.2
			SLE_ra~2	Max	140.0	140.0
				Min	37.4	37.4
			SLD_Env	Max	762.4	762.4
				Min	174.9	174.9
			SLE_fe~1	Max	101.3	101.3
				Min	46.1	46.1
			SLE_qp~4	Max	-4.1	-4.1
				Min	-4.1	-4.1

PROJECT TITLE :

MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2	

				Min	-4.1	-4.1
			SLU-SL~1	Max	1165.4	1165.4
				Min	30.6	30.6
			SLE-SL~1	Max	762.4	762.4
				Min	37.4	37.4
9	1	1	SLU_Env	Max	468.5	468.5
				Min	259.0	259.0
			SLV_Env	Max	309.4	309.4
				Min	180.8	180.8
			SLE_ra~2	Max	325.1	325.1
				Min	180.9	180.9
			SLD_Env	Max	235.2	235.2
				Min	157.3	157.3
			SLE_fe~1	Max	266.8	266.8
				Min	200.4	200.4
			SLE_qp~4	Max	196.1	196.1
				Min	196.1	196.1
			SLU-SL~1	Max	468.5	468.5
				Min	180.8	180.8
			SLE-SL~1	Max	325.1	325.1
				Min	157.3	157.3
10	1	1	SLU_Env	Max	-39.4	-39.4
				Min	-178.0	-178.0
			SLV_Env	Max	-190.4	-190.4
				Min	-841.7	-841.7
			SLE_ra~2	Max	-41.6	-41.6
				Min	-121.5	-121.5
			SLD_Env	Max	-129.0	-129.0
				Min	-551.6	-551.6
			SLE_fe~1	Max	-44.8	-44.8
				Min	-89.4	-89.4
			SLE_qp~4	Max	-4.2	-4.2
				Min	-4.2	-4.2
			SLU-SL~1	Max	-39.4	-39.4
				Min	-841.7	-841.7
			SLE-SL~1	Max	-41.6	-41.6
				Min	-551.6	-551.6
11	1	1	SLU_Env	Max	-2063.2	-2063.2
				Min	-3940.3	-3940.3
			SLV_Env	Max	457.2	457.2
				Min	-1867.2	-1867.2
			SLE_ra~2	Max	-1447.2	-1447.2
				Min	-2735.6	-2735.6
			SLD_Env	Max	-125.0	-125.0
				Min	-1698.9	-1698.9
			SLE_fe~1	Max	-1563.6	-1563.6
				Min	-2252.9	-2252.9
			SLE_qp~4	Max	-1739.1	-1739.1
				Min	-1739.1	-1739.1
			SLU-SL~1	Max	457.2	457.2
				Min	-3940.3	-3940.3
			SLE-SL~1	Max	-125.0	-125.0
				Min	-2735.6	-2735.6
12	1	1	SLU_Env	Max	-2503.7	-2503.7
				Min	-4299.3	-4299.3
			SLV_Env	Max	-819.1	-819.1
				Min	-2269.8	-2269.8
			SLE_ra~2	Max	-1748.3	-1748.3
				Min	-2982.2	-2982.2
			SLD_Env	Max	-1011.0	-1011.0
				Min	-1984.8	-1984.8
			SLE_fe~1	Max	-1847.7	-1847.7
				Min	-2479.8	-2479.8
			SLE_qp~4	Max	-1786.4	-1786.4
				Min	-1786.4	-1786.4

PROJECT TITLE :

MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2	

			SLU-SL~1	Max	-819.1	-819.1
				Min	-4299.3	-4299.3
			SLE-SL~1	Max	-1011.0	-1011.0
				Min	-2982.2	-2982.2
13	1	1	SLU_Env	Max	-2724.7	-2724.7
				Min	-4828.5	-4828.5
			SLV_Env	Max	-2387.3	-2387.3
				Min	-2855.2	-2855.2
			SLE_ra~2	Max	-1979.8	-1979.8
				Min	-3340.4	-3340.4
			SLD_Env	Max	-2116.4	-2116.4
				Min	-2381.7	-2381.7
			SLE_fe~1	Max	-2155.4	-2155.4
				Min	-2838.2	-2838.2
			SLE_qp~4	Max	-1786.4	-1786.4
				Min	-1786.4	-1786.4
			SLU-SL~1	Max	-2387.3	-2387.3
				Min	-4828.5	-4828.5
			SLE-SL~1	Max	-1979.8	-1979.8
				Min	-3340.4	-3340.4
14	1	1	SLU_Env	Max	-2802.1	-2802.1
				Min	-5229.7	-5229.7
			SLV_Env	Max	-3107.2	-3107.2
				Min	-4295.1	-4295.1
			SLE_ra~2	Max	-2100.1	-2100.1
				Min	-3611.5	-3611.5
			SLD_Env	Max	-2432.5	-2432.5
				Min	-3371.2	-3371.2
			SLE_fe~1	Max	-2345.2	-2345.2
				Min	-3046.3	-3046.3
			SLE_qp~4	Max	-1739.2	-1739.2
				Min	-1739.2	-1739.2
			SLU-SL~1	Max	-2802.1	-2802.1
				Min	-5229.7	-5229.7
			SLE-SL~1	Max	-2100.1	-2100.1
				Min	-3611.5	-3611.5
15	1	1	SLU_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLV_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_ra~2	Max	0.0	0.0
				Min	0.0	0.0
			SLD_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_fe~1	Max	0.0	0.0
				Min	0.0	0.0
			SLE_qp~4	Max	0.0	0.0
				Min	0.0	0.0
			SLU-SL~1	Max	0.0	0.0
				Min	0.0	0.0
			SLE-SL~1	Max	0.0	0.0
				Min	0.0	0.0
16	1	1	SLU_Env	Max	-651.2	-651.2
				Min	-1079.9	-1079.9
			SLV_Env	Max	-697.5	-697.5
				Min	-1237.9	-1237.9
			SLE_ra~2	Max	-471.9	-471.9
				Min	-748.1	-748.1
			SLD_Env	Max	-537.3	-537.3
				Min	-929.4	-929.4
			SLE_fe~1	Max	-471.9	-471.9
				Min	-638.1	-638.1
			SLE_qp~4	Max	-426.8	-426.8
				Min	-426.8	-426.8
			SLU-SL~1	Max	-651.2	-651.2

PROJECT TITLE :

MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino CAP-Misto_Trasv_output2	

				Min	-1237.9	-1237.9
			SLE-SL~1	Max	-471.9	-471.9
				Min	-929.4	-929.4
17	1	1	SLU_Env	Max	-144.5	-144.5
				Min	-481.9	-481.9
			SLV_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_ra~2	Max	-103.8	-103.8
				Min	-334.8	-334.8
			SLD_Env	Max	0.0	0.0
				Min	-57.0	-57.0
			SLE_fe~1	Max	-168.4	-168.4
				Min	-260.9	-260.9
			SLE_qp~4	Max	-225.9	-225.9
				Min	-225.9	-225.9
			SLU-SL~1	Max	0.0	0.0
				Min	-481.9	-481.9
			SLE-SL~1	Max	0.0	0.0
				Min	-334.8	-334.8
18	1	1	SLU_Env	Max	-417.7	-417.7
				Min	-780.3	-780.3
			SLV_Env	Max	-626.9	-626.9
				Min	-1448.3	-1448.3
			SLE_ra~2	Max	-334.3	-334.3
				Min	-537.9	-537.9
			SLD_Env	Max	-460.6	-460.6
				Min	-1027.2	-1027.2
			SLE_fe~1	Max	-331.3	-331.3
				Min	-445.4	-445.4
			SLE_qp~4	Max	-225.8	-225.8
				Min	-225.8	-225.8
			SLU-SL~1	Max	-417.7	-417.7
				Min	-1448.3	-1448.3
			SLE-SL~1	Max	-334.3	-334.3
				Min	-1027.2	-1027.2
19	1	1	SLU_Env	Max	-629.1	-629.1
				Min	-1144.3	-1144.3
			SLV_Env	Max	-115.1	-115.1
				Min	-576.6	-576.6
			SLE_ra~2	Max	-448.7	-448.7
				Min	-791.8	-791.8
			SLD_Env	Max	-211.9	-211.9
				Min	-498.5	-498.5
			SLE_fe~1	Max	-510.1	-510.1
				Min	-666.0	-666.0
			SLE_qp~4	Max	-426.8	-426.8
				Min	-426.8	-426.8
			SLU-SL~1	Max	-115.1	-115.1
				Min	-1144.3	-1144.3
			SLE-SL~1	Max	-211.9	-211.9
				Min	-791.8	-791.8
20	1	1	SLU_Env	Max	-13.7	-13.7
				Min	-174.2	-174.2
			SLV_Env	Max	-270.1	-270.1
				Min	-1087.7	-1087.7
			SLE_ra~2	Max	-17.6	-17.6
				Min	-118.4	-118.4
			SLD_Env	Max	-179.0	-179.0
				Min	-716.1	-716.1
			SLE_fe~1	Max	-33.9	-33.9
				Min	-83.1	-83.1
			SLE_qp~4	Max	0.0	0.0
				Min	0.0	0.0
			SLU-SL~1	Max	-13.7	-13.7
				Min	-1087.7	-1087.7

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

SLE-SL~1	Max	-17.6	-17.6
	Min	-716.1	-716.1

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino CAP-Misto_Trasv_output2

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

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;-----
; MIDAS/Civil Text (MCT) File.
; Date : 2021/5/6
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*VERSION
  8.9.5

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*UNIT      ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
  KN      , M, BTU, C

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```

*PROJINFO   ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX, CLIENT, TITLE, ENGINEER, EDATE
  ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3, APPROVE, ADATE, COMMENT
  ; One Line per Data
  USER=HP Inc.
  ADDRESS=HP Inc.

```

```

*STRUCTYPE  ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV, TEMPER, bALIGNBEAM, bALIGNSLAB,
  bROTTRIGID
  1, 1, 1, NO, NO, 9.806, 0, NO, NO, NO

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*REBAR-MATL-CODE ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
  NTC18(RC), B450C, ASTM(RC), Grade 60

```

```

*NODE       ; Nodes
; iNO, X, Y, Z
  1, 0, 0, 0
  2, 3.2, 0, 0
  3, 0, 0, 0.11999999999999999
  4, 3.2, 0, 0.11999999999999999
  5, 0.5, 0, 1.38
  6, 2.71, 0, 1.38

```

```

*ELEMENT    ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,                               ; Frame Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, EXVAL2, bLMT           ; Comp/Tens Truss
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iSUB, iWID, LCAXIS              ; Planar Element
; iEL, TYPE, iMAT, iPRO, iN1, iN2, iN3, iN4, iN5, iN6, iN7, iN8              ; Solid Element
  1, BEAM , 1, 2, 1, 3, 0, 0
  2, BEAM , 1, 2, 2, 4, 0, 0
  3, TRUSS , 1, 1, 4, 3, 0, 0
  4, TRUSS , 1, 1, 5, 6, 0, 0
  5, TRUSS , 1, 1, 3, 5, 0, 0
  6, TRUSS , 1, 1, 6, 4, 0, 0
  7, COMPTR, 1, 1, 3, 6, 0, 1, 0, 0, NO
  8, COMPTR, 1, 1, 5, 4, 0, 1, 0, 0, NO

```

```

*GROUP      ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  0 , , 1to6, 0


```

```

*LOAD-GROUP ; Load Group
; NAME
  SLU
  SLE_rara
  SLD
  SLE_fess

```

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long


SLE_qp
SLV

```
*MATERIAL ; Material
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA1]
; STEEL, CONC, USER
; iMAT, TYPE, MNAME, SPHEAT, HEATCO, PLAST, TUNIT, bMASS, DAMPRATIO, [DATA2], [DATA2]
; SRC
; [DATA1] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS
; Orthotropic
; [DATA2] : 1, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN, MASS
1, CONC , C32/40 , 0, 0, , C, NO, 0.05, 2, 3.3345e+007, 0.2, 1.0000e-005, 0, 0
```

```
*MATL-COLOR
; iMAT, W R, W G, W B, HF R, HF G, HF B, HE R, HE G, HE B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
```

```
*SECTION ; Section
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC
; D1, D2, [SRC] ;
2nd line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 ;
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB)
; [DIM1], [DIM2] ;
2nd line(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE)
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;
3rd line(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ;
4th line(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ;
5th line(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ;
6th line(STYPE=VALUE)
; AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2 ;
7th line(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ;
8th line(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ;
```

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9th line(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ;
2nd line(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ;
2nd line(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ;
3rd line(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ;
4th line(STYPE=PSC)
; [SIZE-A]-i ;
5th line(STYPE=PSC)
; [SIZE-B]-i ;
6th line(STYPE=PSC)
; [SIZE-C]-i ;
7th line(STYPE=PSC)
; [SIZE-D]-i ;
8th line(STYPE=PSC)
; [SIZE-A]-j ;
9th line(STYPE=PSC)
; [SIZE-B]-j ;
10th line(STYPE=PSC)
; [SIZE-C]-j ;
11th line(STYPE=PSC)
; [SIZE-D]-j ;
12th line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ;
2nd line(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ;
3rd line(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ;
4th line(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ;
5th line(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ;
2nd line(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ;
3rd line(STYPE=CMP-CI/CT)
; [SIZE-A]-i ;
4th line(STYPE=CMP-CI/CT)
; [SIZE-B]-i ;
5th line(STYPE=CMP-CI/CT)
; [SIZE-C]-i ;
6th line(STYPE=CMP-CI/CT)
; [SIZE-D]-i ;
7th line(STYPE=CMP-CI/CT)
; [SIZE-A]-j ;
8th line(STYPE=CMP-CI/CT)
; [SIZE-B]-j ;
9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT
; SHAPE, ... (same with other type data from shape) ;
Before (STYPE1)
; SHAPE, ... (same with other type data from shape) ;
After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;

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1st line - COMPOSITE-B
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-I
;      Hw, tw, B1, tf1, B2, tf2
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-TUB
;      Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp
2nd line
;      [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3)
3rd line
;      SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh
4th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - COMPOSITE-CI/CT
;      OPT1, OPT2, [JOINT]
2nd line
;      [SIZE-A]
3rd line
;      [SIZE-B]
4th line
;      [SIZE-C]
5th line
;      [SIZE-D]
6th line
;      SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb
7th line
;      iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
1st line - PSC
;      OPT1, OPT2, [JOINT]
2nd line
;      bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE
3rd line
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF]
4th line
;      bWE, [WARPING POINT]-i, [WARPING POINT]-j
5th line
;      [SIZE-A]
6th line
;      [SIZE-B]
7th line
;      [SIZE-C]
8th line
;      [SIZE-D]
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4

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; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER, Aste, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0
2, DBUSER, Appoggi, CC, 0, 0, 0, 0, 0, 0, YES, NO, SR, 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0

```

```

*SECT-COLOR
; iSEC, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
2, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

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*SECT-SCALE ; Section Stiffness Scale Factor
; iSEC, AREA_SF, ASY_SF, ASZ_SF, IXX_SF, IYY_SF, IZZ_SF, WGT_SF, GROUP, iPart, bDiffIJ
; line 1
; J1, J2, J3, J4, J5, J6, J7
; line 2 (bDiffIJ=YES)
2, 1e+007, 1, 1, 0.0001, 0.0001, 0.0001, 1, , 1, NO


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*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] ;
1st line - DB/USER ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL ;
1st line - VALUE ;
; AREA, ASy, ASz, Ixx, Iyy, Izz ;
2nd line ;
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ;
3rd line ;
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ;
4th line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ;
1st line - SRC ;
; D1, D2, [SRC] ;
2nd line ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ;
1st line - COMBINED ;
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23, D24 ;
; iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE ;
1st line - TAPERED ;
; DB, NAME1, NAME2 ;
2nd line(STYPE=DB) ;
; [DIM1], [DIM2] ;
2nd line(STYPE=USER) ;
; D11, D12, D13, D14, D15, D16, D17, D18 ;
2nd line(STYPE=VALUE) ;
; AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1 ;

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3rd line(STYPE=VALUE)
;      CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1      ;
4th line(STYPE=VALUE)
;      Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                    ;
5th line(STYPE=VALUE)
;      D21, D22, D23, D24, D25, D26, D27, D28                                ;
6th line(STYPE=VALUE)
;      AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                    ;
7th line(STYPE=VALUE)
;      CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2    ;
8th line(STYPE=VALUE)
;      Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                    ;
9th line(STYPE=VALUE)
;      OPT1, OPT2, [JOINT]                                                    ;
2nd line(STYPE=PSC)
;      ELAST, DEN, POIS, POIC, THERMAL                                        ;
2nd line(STYPE=PSC-CMPW)
;      bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ;
3rd line(STYPE=PSC)
;      bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                       ;
3rd line(STYPE=PSC-CMPW)
;      bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]     ;
4th line(STYPE=PSC)
;      [SIZE-A]-i                                                            ;
5th line(STYPE=PSC)
;      [SIZE-B]-i                                                            ;
6th line(STYPE=PSC)
;      [SIZE-C]-i                                                            ;
7th line(STYPE=PSC)
;      [SIZE-D]-i                                                            ;
8th line(STYPE=PSC)
;      [SIZE-A]-j                                                            ;
9th line(STYPE=PSC)
;      [SIZE-B]-j                                                            ;
10th line(STYPE=PSC)
;      [SIZE-C]-j                                                            ;
11th line(STYPE=PSC)
;      [SIZE-D]-j                                                            ;
12th line(STYPE=PSC)
;      GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S      ;
2nd line(STYPE=CMP-B/I)
;      SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i                ;
3rd line(STYPE=CMP-B/I)
;      SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j                ;
4th line(STYPE=CMP-B/I)
;      N1, N2, Hr, Hr2, tr1, tr2                                             ;
5th line(STYPE=CMP-B)
;      GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      ;
2nd line(STYPE=CMP-CI/CT)
;      OPT1, OPT2, [JOINT]                                                    ;
3rd line(STYPE=CMP-CI/CT)
;      [SIZE-A]-i                                                            ;
4th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-i                                                            ;
5th line(STYPE=CMP-CI/CT)
;      [SIZE-C]-i                                                            ;
6th line(STYPE=CMP-CI/CT)
;      [SIZE-D]-i                                                            ;
7th line(STYPE=CMP-CI/CT)
;      [SIZE-A]-j                                                            ;
8th line(STYPE=CMP-CI/CT)
;      [SIZE-B]-j                                                            ;

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9th line(STYPE=CMP-CI/CT)
; [SIZE-C]-j ;
10th line(STYPE=CMP-CI/CT)
; [SIZE-D]-j ;
11th line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 ;
1st line - CONSTRUCT
; SHAPE, ...(same with other type data from shape) ;
Before (STYPE1)
; SHAPE, ...(same with other type data from shape) ;
After (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-B
; Hw, tw, B1, Bf1, B2, Bf2, tf2 ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ;
2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ;
3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ;
4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ;
2nd line
; [SIZE-A] ;
3rd line
; [SIZE-B] ;
4th line
; [SIZE-C] ;
5th line
; [SIZE-D] ;
6th line
; SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb ;
7th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ;
1st line - PSC
; OPT1, OPT2, [JOINT] ;
2nd line
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ;
3rd line
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ;
4th line
; bWE, [WARPING POINT]-i, [WARPING POINT]-j ;
5th line
; [SIZE-A] ;
6th line
; [SIZE-B] ;

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7th line
; [SIZE-C] ;
8th line
; [SIZE-D] ;
9th line
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CCSHAPE or iCEL or iN1, iN2
; [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
; [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
; [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [JOINT] : 8(1CELL, 2CELL), 13(3CELL), 9(PSCM), 8(PSCH), 9(PSCT), 2(PSCB), 0(nCELL), 2(nCEL2)
; [SIZE-A] : 6(1CELL, 2CELL), 10(3CELL), 10(PSCM), 6(PSCH), 8(PSCT), 10(PSCB), 5(nCELL), 11(nCEL2)
; [SIZE-B] : 6(1CELL, 2CELL), 12(3CELL), 6(PSCM), 6(PSCH), 8(PSCT), 6(PSCB), 8(nCELL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL), 9(PSCM), 10(PSCH), 7(PSCT), 8(PSCB), 0(nCELL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCELL), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, DBUSER , Aste , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
2, DBUSER , Appoggi , CC, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, SR , 2, 0.2, 0,

```


*STLDCASE ; Static Load Cases

```

; LCNAME, LCTYPE, DESC
A1_SLU_gr1_Treno_T1, USER,
A1_SLU_gr2_Scarico_T1, USER,
A1_SLU_gr3_Fre/avv_T1, USER,
A1_SLU_gr1+vento_T1, USER,
A1_SLU_gr2+vento_T1, USER,
A1_SLU_gr3+vento_T1, USER,
A1_SLU_vento_gr1_T1, USER,
A1_SLU_vento_gr2_T1, USER,
A1_SLU_vento_gr3_T1, USER,
A1_SLU_Scalz_gr1_T1, USER,
A1_SLU_Scalz_gr2_T1, USER,
A1_SLU_gr1_Treno_T2, USER,
A1_SLU_gr2_Scarico_T2, USER,
A1_SLU_gr3_Fre/avv_T2, USER,
A1_SLU_gr1+vento_T2, USER,
A1_SLU_gr2+vento_T2, USER,
A1_SLU_gr3+vento_T2, USER,
A1_SLU_vento_gr1_T2, USER,
A1_SLU_vento_gr2_T2, USER,
A1_SLU_vento_gr3_T2, USER,
A1_SLU_Scalz_gr1_T2, USER,
A1_SLU_Scalz_gr2_T2, USER,
A1_SLU_Scalz_gr3_T2, USER,
A1_SLU_gr1_Treno_T3, USER,
A1_SLU_gr2_Scarico_T3, USER,


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A1_SLU_gr3_Fre/avv_T3, USER,
 A1_SLU_gr1+vento_T3, USER,
 A1_SLU_gr2+vento_T3, USER,
 A1_SLU_gr3+vento_T3, USER,
 A1_SLU_vento_gr1_T3, USER,
 A1_SLU_vento_gr2_T3, USER,
 A1_SLU_vento_gr3_T3, USER,
 A1_SLU_Scalz_gr1_T3, USER,
 A1_SLU_Scalz_gr2_T3, USER,
 A1_SLU_Scalz_gr3_T3, USER,
 E_103x_SLV_T1, USER,
 E_103y_SLV_T1, USER,
 E_103z_SLV_T1, USER,
 E_103x_SLV_T2, USER,
 E_103y_SLV_T2, USER,
 E_103z_SLV_T2, USER,
 E_103x_SLV_T3, USER,
 E_103y_SLV_T3, USER,
 E_103z_SLV_T3, USER,
 SLE_rar_gr1_Treno_T1, USER,
 SLE_rar_gr2_Scarico_T1, USER,
 SLE_rar_gr3_Fre/avv_T1, USER,
 SLE_rar_gr1+vento_T1, USER,
 SLE_rar_gr2+vento_T1, USER,
 SLE_rar_gr3+vento_T1, USER,
 SLE_rar_vento_gr1_T1, USER,
 SLE_rar_vento_gr2_T1, USER,
 SLE_rar_vento_gr3_T1, USER,
 SLE_rar_gr1_Treno_T2, USER,
 SLE_rar_gr2_Scarico_T2, USER,
 SLE_rar_gr3_Fre/avv_T2, USER,
 SLE_rar_gr1+vento_T2, USER,
 SLE_rar_gr2+vento_T2, USER,
 SLE_rar_gr3+vento_T2, USER,
 SLE_rar_vento_gr1_T2, USER,
 SLE_rar_vento_gr2_T2, USER,
 SLE_rar_vento_gr3_T2, USER,
 SLE_rar_gr1_Treno_T3, USER,
 SLE_rar_gr2_Scarico_T3, USER,
 SLE_rar_gr3_Fre/avv_T3, USER,
 SLE_rar_gr1+vento_T3, USER,
 SLE_rar_gr2+vento_T3, USER,
 SLE_rar_gr3+vento_T3, USER,
 SLE_rar_vento_gr1_T3, USER,
 SLE_rar_vento_gr2_T3, USER,
 SLE_rar_vento_gr3_T3, USER,
 E_103x_SLD_T1, USER,
 E_103y_SLD_T1, USER,
 E_103z_SLD_T1, USER,
 E_103x_SLD_T2, USER,
 E_103y_SLD_T2, USER,
 E_103z_SLD_T2, USER,
 E_103x_SLD_T3, USER,
 E_103y_SLD_T3, USER,
 E_103z_SLD_T3, USER,
 SLE_rar_gr4_Centrif_T1, USER,
 SLE_rar_gr4+vento_T1, USER,
 SLE_rar_vento_gr4_T1, USER,
 SLE_rar_gr4_Centrif_T2, USER,
 SLE_rar_gr4+vento_T2, USER,
 SLE_rar_vento_gr4_T2, USER,
 SLE_rar_gr4_Centrif_T3, USER,

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SLE_rar_gr4+vento_T3, USER,
 SLE_rar_vento_gr4_T3, USER,
 SLE_qp_T1, USER,
 SLE_qp_T2, USER,
 SLE_qp_T3, USER,
 A1_SLU_Scalz_gr3_T1, USER,

*CONSTRAINT ; Supports
 ; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
 1 2, 111111,

*USE-STLD, A1_SLU_gr1_Treno_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -11050, 0, 0, 0, SLU
 6, 1719, 0, -14436, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T1] -----

*USE-STLD, A1_SLU_gr2_Scarico_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7589, 0, 0, 0, SLU
 6, 143, 0, -9953, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T1] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -10762, 0, 0, 0, SLU
 6, 3011, 0, -14764, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T1] -----

*USE-STLD, A1_SLU_gr1+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -10978, 0, 0, 0, SLU
 6, 1913, 0, -15259, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T1] -----

*USE-STLD, A1_SLU_gr2+vento_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7517, 0, 0, 0, SLU
 6, 338, 0, -10776, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T1] -----

*USE-STLD, A1_SLU_gr3+vento_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -10689, 0, 0, 0, SLU

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6, 3206, 0, -15587, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T1] -----

*USE-STLD, A1_SLU_vento_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7213, 0, 0, 0, SLU
 6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T1] -----

*USE-STLD, A1_SLU_vento_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7213, 0, 0, 0, SLU
 6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T1] -----

*USE-STLD, A1_SLU_vento_gr3_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7213, 0, 0, 0, SLU
 6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T1] -----

*USE-STLD, A1_SLU_Scalz_gr1_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -9580, 0, 0, 0, SLU
 6, 958, 0, -12476, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T1] -----

*USE-STLD, A1_SLU_Scalz_gr2_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7488, 0, 0, 0, SLU
 6, 80, 0, -9804, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T1] -----

*USE-STLD, A1_SLU_gr1_Treno_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7773, 0, 0, 0, SLU
 6, 1603, 0, -14722, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T2] -----

*USE-STLD, A1_SLU_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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5, 0, 0, -7589, 0, 0, 0, SLU
 6, 143, 0, -9953, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T2] -----

*USE-STLD, A1_SLU_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7484, 0, 0, 0, SLU
 6, 2895, 0, -15051, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T2] -----

*USE-STLD, A1_SLU_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7700, 0, 0, 0, SLU
 6, 1797, 0, -15545, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T2] -----

*USE-STLD, A1_SLU_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7517, 0, 0, 0, SLU
 6, 338, 0, -10776, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T2] -----

*USE-STLD, A1_SLU_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7412, 0, 0, 0, SLU
 6, 3090, 0, -15874, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T2] -----

*USE-STLD, A1_SLU_vento_gr1_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7213, 0, 0, 0, SLU
 6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T2] -----

*USE-STLD, A1_SLU_vento_gr2_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -7213, 0, 0, 0, SLU
 6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T2] -----

*USE-STLD, A1_SLU_vento_gr3_T2

*CONLOAD ; Nodal Loads

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7213, 0, 0, 0, SLU
  6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T2] -----
*USE-STLD, A1_SLU_Scalz_gr1_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7607, 0, 0, 0, SLU
  6, 916, 0, -12655, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T2] -----
*USE-STLD, A1_SLU_Scalz_gr2_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7488, 0, 0, 0, SLU
  6, 80, 0, -9804, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T2] -----
*USE-STLD, A1_SLU_Scalz_gr3_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7434, 0, 0, 0, SLU
  6, 1692, 0, -12852, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T2] -----
*USE-STLD, A1_SLU_gr1_Treno_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -9214, 0, 0, 0, SLU
  6, 1575, 0, -12267, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1_Treno_T3] -----
*USE-STLD, A1_SLU_gr2_Scarico_T3


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -7589, 0, 0, 0, SLU
  6, 143, 0, -9953, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2_Scarico_T3] -----
*USE-STLD, A1_SLU_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -8925, 0, 0, 0, SLU
  6, 2868, 0, -12595, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3_Fre/avv_T3] -----
*USE-STLD, A1_SLU_gr1+vento_T3
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9142, 0, 0, 0, SLU
   6, 1770, 0, -13090, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr1+vento_T3] -----
*USE-STLD, A1_SLU_gr2+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7517, 0, 0, 0, SLU
   6, 338, 0, -10776, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr2+vento_T3] -----
*USE-STLD, A1_SLU_gr3+vento_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8853, 0, 0, 0, SLU
   6, 3062, 0, -13419, 0, 0, 0, SLU

; End of data for load case [A1_SLU_gr3+vento_T3] -----
*USE-STLD, A1_SLU_vento_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7213, 0, 0, 0, SLU
   6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr1_T3] -----
*USE-STLD, A1_SLU_vento_gr2_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7213, 0, 0, 0, SLU
   6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr2_T3] -----
*USE-STLD, A1_SLU_vento_gr3_T3


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -7213, 0, 0, 0, SLU
   6, 324, 0, -10955, 0, 0, 0, SLU

; End of data for load case [A1_SLU_vento_gr3_T3] -----
*USE-STLD, A1_SLU_Scalz_gr1_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -8471, 0, 0, 0, SLU
   6, 906, 0, -11184, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr1_T3] -----
*USE-STLD, A1_SLU_Scalz_gr2_T3
    
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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7488, 0, 0, 0, SLU
    6, 80, 0, -9804, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr2_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8297, 0, 0, 0, SLU
    6, 1682, 0, -11381, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T3] -----

*USE-STLD, E_103x_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5440, 0, 0, 0, SLV
    6, 8291, 0, -9444, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T1] -----

*USE-STLD, E_103y_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6725, 0, 0, 0, SLV
    6, 2537, 0, -7980, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T1] -----

*USE-STLD, E_103z_SLV_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8526, 0, 0, 0, SLV
    6, 2537, 0, -9781, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T1] -----

*USE-STLD, E_103x_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -4987, 0, 0, 0, SLV
    6, 8282, 0, -9485, 0, 0, 0, SLV


; End of data for load case [E_103x_SLV_T2] -----

*USE-STLD, E_103y_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6272, 0, 0, 0, SLV
    6, 2528, 0, -8022, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T2] -----
    
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*USE-STLD, E_103z_SLV_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8073, 0, 0, 0, SLV
    6, 2528, 0, -9823, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T2] -----

*USE-STLD, E_103x_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5185, 0, 0, 0, SLV
    6, 8280, 0, -9147, 0, 0, 0, SLV

; End of data for load case [E_103x_SLV_T3] -----

*USE-STLD, E_103y_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -6470, 0, 0, 0, SLV
    6, 2526, 0, -7684, 0, 0, 0, SLV

; End of data for load case [E_103y_SLV_T3] -----

*USE-STLD, E_103z_SLV_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -8271, 0, 0, 0, SLV
    6, 2526, 0, -9485, 0, 0, 0, SLV

; End of data for load case [E_103z_SLV_T3] -----

*USE-STLD, SLE_rar_gr1_Treno_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7788, 0, 0, 0, SLE_rara
    6, 1089, 0, -10131, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T1] -----

*USE-STLD, SLE_rar_gr2_Scarico_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5387, 0, 0, 0, SLE_rara
    6, 67, 0, -7056, 0, 0, 0, SLE_rara


; End of data for load case [SLE_rar_gr2_Scarico_T1] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7589, 0, 0, 0, SLE_rara
    6, 1980, 0, -10358, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T1] -----
    
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*USE-STLD, SLE_rar_gr1+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7740, 0, 0, 0, SLE_rara
    6, 1219, 0, -10680, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T1] -----

*USE-STLD, SLE_rar_gr2+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5339, 0, 0, 0, SLE_rara
    6, 197, 0, -7605, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T1] -----

*USE-STLD, SLE_rar_gr3+vento_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -7541, 0, 0, 0, SLE_rara
    6, 2110, 0, -10907, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T1] -----

*USE-STLD, SLE_rar_vento_gr1_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5123, 0, 0, 0, SLE_rara
    6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T1] -----

*USE-STLD, SLE_rar_vento_gr2_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5123, 0, 0, 0, SLE_rara
    6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T1] -----

*USE-STLD, SLE_rar_vento_gr3_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5123, 0, 0, 0, SLE_rara
    6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T1] -----

*USE-STLD, SLE_rar_gr1_Treno_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
    5, 0, 0, -5522, 0, 0, 0, SLE_rara
    6, 1036, 0, -10335, 0, 0, 0, SLE_rara
    
```

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

; End of data for load case [SLE_rar_gr1_Treno_T2] -----

*USE-STLD, SLE_rar_gr2_Scarico_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5387, 0, 0, 0, SLE_rara
 6, 67, 0, -7056, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T2] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5323, 0, 0, 0, SLE_rara
 6, 1927, 0, -10562, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T2] -----

*USE-STLD, SLE_rar_gr1+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5474, 0, 0, 0, SLE_rara
 6, 1165, 0, -10884, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T2] -----

*USE-STLD, SLE_rar_gr2+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5339, 0, 0, 0, SLE_rara
 6, 197, 0, -7605, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T2] -----

*USE-STLD, SLE_rar_gr3+vento_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5275, 0, 0, 0, SLE_rara
 6, 2057, 0, -11111, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T2] -----

*USE-STLD, SLE_rar_vento_gr1_T2


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T2] -----

*USE-STLD, SLE_rar_vento_gr2_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

; End of data for load case [SLE_rar_vento_gr2_T2] -----

*USE-STLD, SLE_rar_vento_gr3_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T2] -----

*USE-STLD, SLE_rar_gr1_Treno_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6515, 0, 0, 0, SLE_rara
 6, 1023, 0, -8644, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1_Treno_T3] -----

*USE-STLD, SLE_rar_gr2_Scarico_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5387, 0, 0, 0, SLE_rara
 6, 67, 0, -7056, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2_Scarico_T3] -----

*USE-STLD, SLE_rar_gr3_Fre/avv_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6316, 0, 0, 0, SLE_rara
 6, 1914, 0, -8870, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3_Fre/avv_T3] -----

*USE-STLD, SLE_rar_gr1+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6466, 0, 0, 0, SLE_rara
 6, 1153, 0, -9193, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr1+vento_T3] -----

*USE-STLD, SLE_rar_gr2+vento_T3


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5339, 0, 0, 0, SLE_rara
 6, 197, 0, -7605, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr2+vento_T3] -----

*USE-STLD, SLE_rar_gr3+vento_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6267, 0, 0, 0, SLE_rara

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Author	HP Inc.	File Name
		Pulvino_CAP-Incorporate_Long

6, 2044, 0, -9419, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_gr3+vento_T3] -----

*USE-STLD, SLE_rar_vento_gr1_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr1_T3] -----

*USE-STLD, SLE_rar_vento_gr2_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr2_T3] -----

*USE-STLD, SLE_rar_vento_gr3_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5123, 0, 0, 0, SLE_rara
 6, 216, 0, -7724, 0, 0, 0, SLE_rara

; End of data for load case [SLE_rar_vento_gr3_T3] -----

*USE-STLD, E_103x_SLD_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5474, 0, 0, 0, SLD
 6, 5585, 0, -8185, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T1] -----

*USE-STLD, E_103y_SLD_T1

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6337, 0, 0, 0, SLD
 6, 1725, 0, -7204, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T1] -----

*USE-STLD, E_103z_SLD_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6807, 0, 0, 0, SLD
 6, 1725, 0, -7675, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T1] -----

*USE-STLD, E_103x_SLD_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

5, 0, 0, -5021, 0, 0, 0, SLD
 6, 5576, 0, -8227, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T2] -----

*USE-STLD, E_103y_SLD_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5883, 0, 0, 0, SLD
 6, 1716, 0, -7245, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T2] -----

*USE-STLD, E_103z_SLD_T2

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6354, 0, 0, 0, SLD
 6, 1716, 0, -7716, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T2] -----

*USE-STLD, E_103x_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -5219, 0, 0, 0, SLD
 6, 5574, 0, -7888, 0, 0, 0, SLD

; End of data for load case [E_103x_SLD_T3] -----

*USE-STLD, E_103y_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6081, 0, 0, 0, SLD
 6, 1714, 0, -6907, 0, 0, 0, SLD

; End of data for load case [E_103y_SLD_T3] -----

*USE-STLD, E_103z_SLD_T3

*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6552, 0, 0, 0, SLD
 6, 1714, 0, -7378, 0, 0, 0, SLD

; End of data for load case [E_103z_SLD_T3] -----

*USE-STLD, SLE_rar_gr4_Centrif_T1


*CONLOAD ; Nodal Loads
 ; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
 5, 0, 0, -6630, 0, 0, 0, SLE_fess
 6, 1211, 0, -8944, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T1] -----

*USE-STLD, SLE_rar_gr4+vento_T1

*CONLOAD ; Nodal Loads

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

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; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -6582, 0, 0, 0, SLE_fess
  6, 1341, 0, -9493, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T1] -----
*USE-STLD, SLE_rar_vento_gr4_T1

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5123, 0, 0, 0, SLE_fess
  6, 216, 0, -7724, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T1] -----
*USE-STLD, SLE_rar_gr4_Centrif_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5270, 0, 0, 0, SLE_fess
  6, 1179, 0, -9067, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T2] -----
*USE-STLD, SLE_rar_gr4+vento_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5222, 0, 0, 0, SLE_fess
  6, 1309, 0, -9616, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T2] -----
*USE-STLD, SLE_rar_vento_gr4_T2

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5123, 0, 0, 0, SLE_fess
  6, 216, 0, -7724, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T2] -----
*USE-STLD, SLE_rar_gr4_Centrif_T3


*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5866, 0, 0, 0, SLE_fess
  6, 1171, 0, -8052, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4_Centrif_T3] -----
*USE-STLD, SLE_rar_gr4+vento_T3

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
  5, 0, 0, -5817, 0, 0, 0, SLE_fess
  6, 1301, 0, -8601, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_gr4+vento_T3] -----
*USE-STLD, SLE_rar_vento_gr4_T3
    
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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

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*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5123, 0, 0, 0, SLE_fess
   6, 216, 0, -7724, 0, 0, 0, SLE_fess

; End of data for load case [SLE_rar_vento_gr4_T3] -----

*USE-STLD, SLE_qp_T1

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5193, 0, 0, 0, SLE_qp
   6, 48, 0, -6821, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T1] -----

*USE-STLD, SLE_qp_T2

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5193, 0, 0, 0, SLE_qp
   6, 48, 0, -6821, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T2] -----

*USE-STLD, SLE_qp_T3

*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -5193, 0, 0, 0, SLE_qp
   6, 48, 0, -6821, 0, 0, 0, SLE_qp

; End of data for load case [SLE_qp_T3] -----

*USE-STLD, A1_SLU_Scalz_gr3_T1


*CONLOAD      ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
   5, 0, 0, -9407, 0, 0, 0, SLU
   6, 1733, 0, -12673, 0, 0, 0, SLU

; End of data for load case [A1_SLU_Scalz_gr3_T1] -----

*LOADCOMB     ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE, nSEISTYPE ; line
1
; ANAL1, LCNAME1, FACT1, ... ; from
line 2
  NAME=SLU_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
    ST, A1_SLU_gr1_Treno_T1, 1, ST, A1_SLU_gr2_Scarico_T1, 1
    ST, A1_SLU_gr3_Fre/avv_T1, 1, ST, A1_SLU_gr1+vento_T1, 1
    ST, A1_SLU_gr2+vento_T1, 1, ST, A1_SLU_gr3+vento_T1, 1
    ST, A1_SLU_vento_gr1_T1, 1, ST, A1_SLU_vento_gr2_T1, 1
    ST, A1_SLU_vento_gr3_T1, 1, ST, A1_SLU_Scalz_gr1_T1, 1
    ST, A1_SLU_Scalz_gr2_T1, 1, ST, A1_SLU_gr1_Treno_T2, 1
    ST, A1_SLU_gr2_Scarico_T2, 1, ST, A1_SLU_gr3_Fre/avv_T2, 1
    ST, A1_SLU_gr1+vento_T2, 1, ST, A1_SLU_gr2+vento_T2, 1
    ST, A1_SLU_gr3+vento_T2, 1, ST, A1_SLU_vento_gr1_T2, 1
    ST, A1_SLU_vento_gr2_T2, 1, ST, A1_SLU_vento_gr3_T2, 1
    ST, A1_SLU_Scalz_gr1_T2, 1, ST, A1_SLU_Scalz_gr2_T2, 1
    ST, A1_SLU_Scalz_gr3_T2, 1, ST, A1_SLU_gr1_Treno_T3, 1

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	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

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ST, A1_SLU_gr2_Scarico_T3, 1, ST, A1_SLU_gr3_Fre/avv_T3, 1
ST, A1_SLU_gr1+vento_T3, 1, ST, A1_SLU_gr2+vento_T3, 1
ST, A1_SLU_gr3+vento_T3, 1, ST, A1_SLU_vento_gr1_T3, 1
ST, A1_SLU_vento_gr2_T3, 1, ST, A1_SLU_vento_gr3_T3, 1
ST, A1_SLU_Scalz_gr1_T3, 1, ST, A1_SLU_Scalz_gr2_T3, 1
ST, A1_SLU_Scalz_gr3_T3, 1, ST, A1_SLU_Scalz_gr3_T1, 1
NAME=SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLV_T1, 1, ST, E_103y_SLV_T1, 1, ST, E_103z_SLV_T1, 1
ST, E_103x_SLV_T2, 1, ST, E_103y_SLV_T2, 1, ST, E_103z_SLV_T2, 1
ST, E_103x_SLV_T3, 1, ST, E_103y_SLV_T3, 1, ST, E_103z_SLV_T3, 1
NAME=SLE_rara_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr1_Treno_T1, 1, ST, SLE_rar_gr2_Scarico_T1, 1
ST, SLE_rar_gr3_Fre/avv_T1, 1, ST, SLE_rar_gr1+vento_T1, 1
ST, SLE_rar_gr2+vento_T1, 1, ST, SLE_rar_gr3+vento_T1, 1
ST, SLE_rar_vento_gr1_T1, 1, ST, SLE_rar_vento_gr2_T1, 1
ST, SLE_rar_vento_gr3_T1, 1, ST, SLE_rar_gr1_Treno_T2, 1
ST, SLE_rar_gr2_Scarico_T2, 1, ST, SLE_rar_gr3_Fre/avv_T2, 1
ST, SLE_rar_gr1+vento_T2, 1, ST, SLE_rar_gr2+vento_T2, 1
ST, SLE_rar_gr3+vento_T2, 1, ST, SLE_rar_vento_gr1_T2, 1
ST, SLE_rar_vento_gr2_T2, 1, ST, SLE_rar_vento_gr3_T2, 1
ST, SLE_rar_gr1_Treno_T3, 1, ST, SLE_rar_gr2_Scarico_T3, 1
ST, SLE_rar_gr3_Fre/avv_T3, 1, ST, SLE_rar_gr1+vento_T3, 1
ST, SLE_rar_gr2+vento_T3, 1, ST, SLE_rar_gr3+vento_T3, 1
ST, SLE_rar_vento_gr1_T3, 1, ST, SLE_rar_vento_gr2_T3, 1
ST, SLE_rar_vento_gr3_T3, 1
NAME=SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, E_103x_SLD_T1, 1, ST, E_103y_SLD_T1, 1, ST, E_103z_SLD_T1, 1
ST, E_103x_SLD_T2, 1, ST, E_103y_SLD_T2, 1, ST, E_103z_SLD_T2, 1
ST, E_103x_SLD_T3, 1, ST, E_103y_SLD_T3, 1, ST, E_103z_SLD_T3, 1
NAME=SLE_fess_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_rar_gr4_Centrif_T1, 1, ST, SLE_rar_gr4+vento_T1, 1
ST, SLE_rar_vento_gr4_T1, 1, ST, SLE_rar_gr4_Centrif_T2, 1
ST, SLE_rar_gr4+vento_T2, 1, ST, SLE_rar_vento_gr4_T2, 1
ST, SLE_rar_gr4_Centrif_T3, 1, ST, SLE_rar_gr4+vento_T3, 1
ST, SLE_rar_vento_gr4_T3, 1
NAME=SLE_qp_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
ST, SLE_qp_T1, 1, ST, SLE_qp_T2, 1, ST, SLE_qp_T3, 1
NAME=SLU-SLV_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLU_Env, 1, CB, SLV_Env, 1
NAME=SLE-SLD_Env, GEN, ACTIVE, 0, 1, , 0, 0, 0
CB, SLE_rara_Env, 1, CB, SLD_Env, 1

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*LC-COLOR ; Diagram Color for Load Case
; ANAL, LCNAME, iR1(ALL), iG1(ALL), iB1(ALL), iR2(MIN), iG2(MIN), iB2(MIN), iR3(MAX),
iG2(MAX), iB2(MAX)

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ST, A1_SLU_gr1_Treno_T1, 160, 192, 255, 0, 128, 57, 192, 128, 0
ST, A1_SLU_gr2_Scarico_T1, 93, 255, 87, 146, 0, 255, 255, 160, 255
ST, A1_SLU_gr3_Fre/avv_T1, 255, 87, 128, 192, 128, 0, 192, 192, 0
ST, A1_SLU_gr1+vento_T1, 210, 210, 210, 255, 255, 87, 163, 160, 255
ST, A1_SLU_gr2+vento_T1, 0, 128, 192, 192, 128, 0, 163, 255, 160
ST, A1_SLU_gr3+vento_T1, 255, 255, 255, 192, 192, 0, 210, 210, 210
ST, A1_SLU_vento_gr1_T1, 160, 192, 255, 255, 87, 87, 0, 128, 255
ST, A1_SLU_vento_gr2_T1, 78, 0, 255, 255, 87, 87, 146, 0, 255
ST, A1_SLU_vento_gr3_T1, 0, 128, 255, 0, 192, 192, 85, 0, 192
ST, A1_SLU_Scalz_gr1_T1, 255, 0, 192, 192, 128, 0, 255, 255, 255
ST, A1_SLU_Scalz_gr2_T1, 0, 192, 192, 0, 128, 255, 0, 128, 128
ST, A1_SLU_gr1_Treno_T2, 255, 87, 87, 0, 192, 128, 255, 255, 87
ST, A1_SLU_gr2_Scarico_T2, 212, 160, 255, 255, 87, 128, 160, 255, 255
ST, A1_SLU_gr3_Fre/avv_T2, 255, 87, 128, 146, 0, 255, 163, 160, 255
ST, A1_SLU_gr1+vento_T2, 255, 255, 255, 160, 192, 255, 0, 192, 192
ST, A1_SLU_gr2+vento_T2, 0, 192, 192, 0, 157, 192, 255, 128, 0
ST, A1_SLU_gr3+vento_T2, 255, 87, 87, 192, 0, 128, 255, 87, 87


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PROJECT TITLE :

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	Author	File Name
	HP Inc.	Pulvino_CAP-Incorporate_Long

ST, A1_SLU_vento_gr1_T2, 210, 210, 210, 0, 192, 192, 192, 192, 192
 ST, A1_SLU_vento_gr2_T2, 192, 192, 192, 85, 192, 0, 0, 128, 192
 ST, A1_SLU_vento_gr3_T2, 0, 128, 128, 255, 192, 87, 192, 192, 0
 ST, A1_SLU_Scalz_gr1_T2, 255, 192, 87, 255, 128, 0, 255, 0, 128
 ST, A1_SLU_Scalz_gr2_T2, 85, 0, 192, 0, 128, 128, 255, 87, 87
 ST, A1_SLU_Scalz_gr3_T2, 0, 157, 192, 255, 160, 255, 146, 0, 255
 ST, A1_SLU_gr1_Treno_T3, 192, 192, 0, 0, 192, 192, 146, 0, 255
 ST, A1_SLU_gr2_Scarico_T3, 192, 72, 0, 255, 128, 0, 163, 255, 160
 ST, A1_SLU_gr3_Fre/avv_T3, 255, 128, 0, 210, 210, 210, 192, 128, 0
 ST, A1_SLU_gr1+vento_T3, 255, 87, 128, 78, 0, 255, 148, 87, 255
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PROJECT TITLE :

	Company	Client
	Author	HP Inc.

Pulvino_CAP-Incorporate_Long


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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long

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YES, NO, NO, NO

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PROJECT TITLE :


MIDAS	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Incorporate_Long

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PROJECT TITLE :


	Company	Client
	Author	HP Inc.
		File Name
		Pulvino_CAP-Incorporate_Long

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PROJECT TITLE :

	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Incorporate_Long

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.
		File Name
		Pulvino_CAP-Incorporate_Long

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PROJECT TITLE :


MIDAS	Company	Client
	Author	File Name
	HP Inc.	Pulvino_CAP-Incorporate_Long

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PROJECT TITLE :

	Company	Client
	Author	HP Inc.
		File Name
		Pulvino_CAP-Incorporate_Long


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NO, 0.61, 0.61, 4, NO, NO, -3.61729, 3.50247, -3.55466, 3.5651, 3.48488, 4.48488, -1.
93376, 1.81894, -1.34272, 1.35315, 3.48488, 4.48488, 15, NO, YES, YES, NO, 0, -1, 0, 0
, 0, 1, 0.4, 50, 0, 0, 1012, 727, 0, 454, 596.5, 1466, 1323.5, 0, 0, 0, 1152, 727, 0,
-2.2608, -2.22166, 2.18904, 2.22818, 0, -2.14645, -2.14645, 2.14645, 2.14645, 0, 0, 0,
1920, 1920, 0, 0, 0, 1920, 1920, 0, 0, 140, 0, 0, 0, 0, 51, YES
100, 0, 0, 0, -100, -100, 100, 100, YES, NO, NO, NO, NO, -2.22045e-014, 2.22045e-014
0, 0, 0
0, 0, 0
0, 0, 0
6, 0, 0, 0, 0
0.25, 12, 1, 30720, 32896, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 2, 4, 0, 0, 0, NO, 0,
0, 3
-11535.5, -10214.5, -8893.46, -7572.47, -6251.47, -4930.47, -3609.47, -2288.47, -967.
471, 0, 1674.53, 2995.53, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
NO, YES, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO
, YES, NO, NO, NO, NO, NO, NO, NO
0, 1, 1, 0, 0, 1, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
0, 0, YES, NO, NO, 0, NO, 0, 0, NO, NO, 0, NO, 0, 0, 0, 0, NO, NO, NO, NO, 0, 0, NO,
NO, 0, 0, 0, 0, 0, 0, NO, NO, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1
0
0
YES, NO, NO, NO, NO, NO, NO, NO, YES, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO, NO,
NO, NO, NO, YES, NO, YES, NO, NO, NO
0
0
0
2, 10, 8, 1
0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0

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*ENDDATA

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

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**      MIDAS/Civil V.8.9.5      Modeling, Integrated Design & Analysis Software
**
**      CIVIL STRUCTURE DESIGN SYSTEM
**
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          XXX  XXX  XX  XXXXXXXX      XXXXXXXX  XXXXXXXX
        XXXX XXXX  XX  XX  XX  XX  XX  XX  XX  XX
        XX XXX XX  XX  XX  XX  XX  XX  XX
        XX X  XX  XX  XX  XX  XXXXXXXX  XXXXXXXX
        XXX  XX  XXX  XXX  XX  XX  XX  XXX
        XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
        XXX  XX  XXX  XXX  XX  XXX  XX  XX  XXX
        XXX  XX  XXX  XXXXXXXX  XXX  XX  XXXXXXXX /Civil

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VERSION 8.9.5

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MIDAS TEAM


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ANALYSIS RESULT OUTPUT

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

LOAD SET FOR REACTION OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
A1_SLU~1	A1_SLU_gr1_Treno_T1	Static	
A1_SLU~2	A1_SLU_gr2_Scarico_T1	Static	
A1_SLU~3	A1_SLU_gr3_Fre_avv_T1	Static	
A1_SLU~4	A1_SLU_gr1+vento_T1	Static	
A1_SLU~5	A1_SLU_gr2+vento_T1	Static	
A1_SLU~6	A1_SLU_gr3+vento_T1	Static	
A1_SLU~7	A1_SLU_vento_gr1_T1	Static	
A1_SLU~8	A1_SLU_vento_gr2_T1	Static	
A1_SLU~9	A1_SLU_vento_gr3_T1	Static	
A1_SLU~0	A1_SLU_Scalz_gr1_T1	Static	
A1_SLU~1	A1_SLU_Scalz_gr2_T1	Static	
A1_SLU~2	A1_SLU_gr1_Treno_T2	Static	
A1_SLU~3	A1_SLU_gr2_Scarico_T2	Static	
A1_SLU~4	A1_SLU_gr3_Fre_avv_T2	Static	
A1_SLU~5	A1_SLU_gr1+vento_T2	Static	
A1_SLU~6	A1_SLU_gr2+vento_T2	Static	
A1_SLU~7	A1_SLU_gr3+vento_T2	Static	
A1_SLU~8	A1_SLU_vento_gr1_T2	Static	
A1_SLU~9	A1_SLU_vento_gr2_T2	Static	
A1_SLU~10	A1_SLU_vento_gr3_T2	Static	
A1_SLU~11	A1_SLU_Scalz_gr1_T2	Static	
A1_SLU~12	A1_SLU_Scalz_gr2_T2	Static	
A1_SLU~13	A1_SLU_Scalz_gr3_T2	Static	
A1_SLU~14	A1_SLU_gr1_Treno_T3	Static	
A1_SLU~15	A1_SLU_gr2_Scarico_T3	Static	
A1_SLU~16	A1_SLU_gr3_Fre_avv_T3	Static	
A1_SLU~17	A1_SLU_gr1+vento_T3	Static	
A1_SLU~18	A1_SLU_gr2+vento_T3	Static	
A1_SLU~19	A1_SLU_gr3+vento_T3	Static	
A1_SLU~20	A1_SLU_vento_gr1_T3	Static	
A1_SLU~21	A1_SLU_vento_gr2_T3	Static	
A1_SLU~22	A1_SLU_vento_gr3_T3	Static	
A1_SLU~23	A1_SLU_Scalz_gr1_T3	Static	
A1_SLU~24	A1_SLU_Scalz_gr2_T3	Static	
A1_SLU~25	A1_SLU_Scalz_gr3_T3	Static	
A1_SLU~26	A1_SLU_Scalz_gr3_T1	Static	
E_103x~1	E_103x_SLV_T1	Static	
E_103y~1	E_103y_SLV_T1	Static	
E_103z~1	E_103z_SLV_T1	Static	
E_103x~2	E_103x_SLV_T2	Static	
E_103y~2	E_103y_SLV_T2	Static	
E_103z~2	E_103z_SLV_T2	Static	
E_103x~3	E_103x_SLV_T3	Static	
E_103y~3	E_103y_SLV_T3	Static	
E_103z~3	E_103z_SLV_T3	Static	
SLE_ra~1	SLE_rar_gr1_Treno_T1	Static	
SLE_ra~2	SLE_rar_gr2_Scarico_T1	Static	
SLE_ra~3	SLE_rar_gr3_Fre_avv_T1	Static	
SLE_ra~4	SLE_rar_gr1+vento_T1	Static	
SLE_ra~5	SLE_rar_gr2+vento_T1	Static	
SLE_ra~6	SLE_rar_gr3+vento_T1	Static	
SLE_ra~7	SLE_rar_vento_gr1_T1	Static	
SLE_ra~8	SLE_rar_vento_gr2_T1	Static	
SLE_ra~9	SLE_rar_vento_gr3_T1	Static	
SLE_ra~0	SLE_rar_gr1_Treno_T2	Static	
SLE_ra~1	SLE_rar_gr2_Scarico_T2	Static	
SLE_ra~2	SLE_rar_gr3_Fre_avv_T2	Static	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output


SLE_ra~3	SLE_rar_gr1+vento_T2	Static
SLE_ra~4	SLE_rar_gr2+vento_T2	Static
SLE_ra~5	SLE_rar_gr3+vento_T2	Static
SLE_ra~6	SLE_rar_vento_gr1_T2	Static
SLE_ra~7	SLE_rar_vento_gr2_T2	Static
SLE_ra~8	SLE_rar_vento_gr3_T2	Static
SLE_ra~9	SLE_rar_gr1_Treno_T3	Static
SLE_ra~10	SLE_rar_gr2_Scarico_T3	Static
SLE_ra~11	SLE_rar_gr3_Fre_avv_T3	Static
SLE_ra~12	SLE_rar_gr1+vento_T3	Static
SLE_ra~13	SLE_rar_gr2+vento_T3	Static
SLE_ra~14	SLE_rar_gr3+vento_T3	Static
SLE_ra~15	SLE_rar_vento_gr1_T3	Static
SLE_ra~16	SLE_rar_vento_gr2_T3	Static
SLE_ra~17	SLE_rar_vento_gr3_T3	Static
E_103x~4	E_103x_SLD_T1	Static
E_103y~4	E_103y_SLD_T1	Static
E_103z~4	E_103z_SLD_T1	Static
E_103x~5	E_103x_SLD_T2	Static
E_103y~5	E_103y_SLD_T2	Static
E_103z~5	E_103z_SLD_T2	Static
E_103x~6	E_103x_SLD_T3	Static
E_103y~6	E_103y_SLD_T3	Static
E_103z~6	E_103z_SLD_T3	Static
SLE_ra~18	SLE_rar_gr4_Centrif_T1	Static
SLE_ra~19	SLE_rar_gr4+vento_T1	Static
SLE_ra~20	SLE_rar_vento_gr4_T1	Static
SLE_ra~21	SLE_rar_gr4_Centrif_T2	Static
SLE_ra~22	SLE_rar_gr4+vento_T2	Static
SLE_ra~23	SLE_rar_vento_gr4_T2	Static
SLE_ra~24	SLE_rar_gr4_Centrif_T3	Static
SLE_ra~25	SLE_rar_gr4+vento_T3	Static
SLE_ra~26	SLE_rar_vento_gr4_T3	Static
SLE_qp~1	SLE_qp_T1	Static
SLE_qp~2	SLE_qp_T2	Static
SLE_qp~3	SLE_qp_T3	Static
SLE_ra~27	SLE_qp_T3	Gen.Envl
SLE_fe~1	SLE_fess_Env	Gen.Envl
SLE_qp~4	SLE_qp_Env	Gen.Envl
SLU-SL~1	SLU-SLV_Env	Gen.Envl
SLE-SL~1	SLE-SLD_Env	Gen.Envl

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>


[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env	Gen.Envl	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 ,
SLU~8 ,		1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 ,
SLU~2 ,		1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 ,
SLU~6 ,		1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 ,
SLU~10 ,		1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~10 ,
A1_SLU~14 ,		1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~14 ,
A1_SLU~18 ,		1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~18 ,

PROJECT TITLE :

	Company	Client		
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output
A1_SLU~22 ,		1.000 x A1_SLU~19 ,	1.000 x A1_SLU~20 ,	1.000 x A1_SLU~21 , 1.000 x
A1_SLU~26		1.000 x A1_SLU~23 ,	1.000 x A1_SLU~24 ,	1.000 x A1_SLU~25 , 1.000 x
SLV_Env	Gen.Env1	1.000 x E_103x~1 ,	1.000 x E_103y~1 ,	1.000 x E_103z~1 , 1.000 x
E_103x~2 ,		1.000 x E_103y~2 ,	1.000 x E_103z~2 ,	1.000 x E_103x~3 , 1.000 x E_1
03y~3 ,		1.000 x E_103z~3		
SLE_ra~27	Gen.Env1	1.000 x SLE_ra~1 ,	1.000 x SLE_ra~2 ,	1.000 x SLE_ra~3 , 1.000 x
SLE_ra~4 ,		1.000 x SLE_ra~5 ,	1.000 x SLE_ra~6 ,	1.000 x SLE_ra~7 , 1.000 x SLE
_ra~8 ,		1.000 x SLE_ra~9 ,	1.000 x SLE_ra~0 ,	1.000 x SLE_ra~1 , 1.000 x SLE
_ra~2 ,		1.000 x SLE_ra~3 ,	1.000 x SLE_ra~4 ,	1.000 x SLE_ra~5 , 1.000 x SLE
_ra~6 ,		1.000 x SLE_ra~7 ,	1.000 x SLE_ra~8 ,	1.000 x SLE_ra~9 , 1.000 x SLE
_ra~10 ,		1.000 x SLE_ra~11 ,	1.000 x SLE_ra~12 ,	1.000 x SLE_ra~13 , 1.000 x
SLE_ra~14 ,		1.000 x SLE_ra~15 ,	1.000 x SLE_ra~16 ,	1.000 x SLE_ra~17
SLD_Env	Gen.Env1	1.000 x E_103x~4 ,	1.000 x E_103y~4 ,	1.000 x E_103z~4 , 1.000 x
E_103x~5 ,		1.000 x E_103y~5 ,	1.000 x E_103z~5 ,	1.000 x E_103x~6 , 1.000 x E_1
03y~6 ,		1.000 x E_103z~6		
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 ,	1.000 x SLE_ra~19 ,	1.000 x SLE_ra~20 , 1.000
x SLE_ra~21 ,		1.000 x SLE_ra~22 ,	1.000 x SLE_ra~23 ,	1.000 x SLE_ra~24 , 1.000 x
SLE_ra~25 ,		1.000 x SLE_ra~26		
SLE_qp~4	Gen.Env1	1.000 x SLE_qp~1 ,	1.000 x SLE_qp~2 ,	1.000 x SLE_qp~3
SLU-SL~1	Gen.Env1	1.000 x SLU_Env ,	1.000 x SLV_Env	
SLE-SL~1	Gen.Env1	1.000 x SLE_ra~27 ,	1.000 x SLD_Env	

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

LOAD SET FOR ELEMENT OUTPUT - Load Set 1

<< LOAD COMB/CASE/ENVEL ABBREVIATION TABLE >>

ABBREVIATION	FULL NAME	TYPE	DESCRIPTION
--- No Abbreviation was defined in this Load Set. All names are less than 8 char.'s ---			

<< SELECTED LOAD CASE/COMBINATION DETAIL LIST >>

[[Selected Load Combinations]]

L. COMB	TYPE	COMBINATION DETAIL
SLU_Env A1_SLU~4 , SLU~8 , SLU~2 , SLU~6 , SLU~10 , A1_SLU~14 , A1_SLU~18 , A1_SLU~22 , A1_SLU~26	Gen.Env1	1.000 x A1_SLU~1 , 1.000 x A1_SLU~2 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~6 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~0 , 1.000 x A1_SLU~1 , 1.000 x A1_SLU~3 , 1.000 x A1_SLU~4 , 1.000 x A1_SLU~5 , 1.000 x A1_SLU~7 , 1.000 x A1_SLU~8 , 1.000 x A1_SLU~9 , 1.000 x A1_SLU~11 , 1.000 x A1_SLU~12 , 1.000 x A1_SLU~13 , 1.000 x A1_SLU~15 , 1.000 x A1_SLU~16 , 1.000 x A1_SLU~17 , 1.000 x A1_SLU~19 , 1.000 x A1_SLU~20 , 1.000 x A1_SLU~21 , 1.000 x A1_SLU~23 , 1.000 x A1_SLU~24 , 1.000 x A1_SLU~25 , 1.000 x A1_SLU~26
SLV_Env E_103x~2 , 03y~3 ,	Gen.Env1	1.000 x E_103x~1 , 1.000 x E_103y~1 , 1.000 x E_103z~1 , 1.000 x E_103y~2 , 1.000 x E_103z~2 , 1.000 x E_103x~3 , 1.000 x E_103z~3
SLE_ra~27 SLE_ra~4 , _ra~8 , _ra~2 , _ra~6 , _ra~10 , SLE_ra~14 ,	Gen.Env1	1.000 x SLE_ra~1 , 1.000 x SLE_ra~2 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~6 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~0 , 1.000 x SLE_ra~1 , 1.000 x SLE_ra~3 , 1.000 x SLE_ra~4 , 1.000 x SLE_ra~5 , 1.000 x SLE_ra~7 , 1.000 x SLE_ra~8 , 1.000 x SLE_ra~9 , 1.000 x SLE_ra~11 , 1.000 x SLE_ra~12 , 1.000 x SLE_ra~13 , 1.000 x SLE_ra~15 , 1.000 x SLE_ra~16 , 1.000 x SLE_ra~17
SLD_Env E_103x~5 , 03y~6 ,	Gen.Env1	1.000 x E_103x~4 , 1.000 x E_103y~4 , 1.000 x E_103z~4 , 1.000 x E_103y~5 , 1.000 x E_103z~5 , 1.000 x E_103x~6 , 1.000 x E_103z~6
SLE_fe~1	Gen.Env1	1.000 x SLE_ra~18 , 1.000 x SLE_ra~19 , 1.000 x SLE_ra~20 , 1.000


PROJECT TITLE :

	Company	Client	
	Author	File Name	
	HP Inc.	Pulvino_CAP-Incorporate_Long_output	

x SLE_ra~21 ,
 SLE_ra~25 ,
 SLE_qp~4 Gen.Env1
 SLU-SL~1 Gen.Env1
 SLE-SL~1 Gen.Env1

1.000 x SLE_ra~22 , 1.000 x SLE_ra~23 , 1.000 x SLE_ra~24 , 1.000 x
 1.000 x SLE_ra~26
 1.000 x SLE_qp~1 , 1.000 x SLE_qp~2 , 1.000 x SLE_qp~3
 1.000 x SLU_Env , 1.000 x SLV_Env
 1.000 x SLE_ra~27 , 1.000 x SLD_Env

PROJECT TITLE :


	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

BEAM ELEMENT FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

ELEM	MAT	SEC	LC	PT	AXIAL	SHEAR-y	SHEAR-z	TORSION	MOMENT-y	M
1	1	2	SLU_Env Max	I	-7467.9	0.0	1598.8	0.0	191.9	
0.0				J	-7467.9	0.0	1598.8	0.0	0.0	
0.0			Min	I	-10857.1	0.0	37.1	0.0	4.5	
0.0				J	-10857.1	0.0	37.1	0.0	0.0	
0.0			SLV_Env Max	I	-2399.1	0.0	4141.9	0.0	497.0	
0.0				J	-2399.1	0.0	4141.9	0.0	0.0	
0.0			Min	I	-7692.6	0.0	1260.1	0.0	151.2	
0.0				J	-7692.6	0.0	1260.1	0.0	0.0	
0.0			SLE_ra~2 Max	I	-5342.2	0.0	1052.0	0.0	126.2	
0.0				J	-5342.2	0.0	1052.0	0.0	0.0	
0.0			Min	I	-7693.6	0.0	31.4	0.0	3.8	
0.0				J	-7693.6	0.0	31.4	0.0	0.0	
0.0			SLD_Env Max	I	-3300.7	0.0	2789.6	0.0	334.7	
0.0				J	-3300.7	0.0	2789.6	0.0	0.0	
0.0			Min	I	-6239.4	0.0	854.8	0.0	102.6	
0.0				J	-6239.4	0.0	854.8	0.0	0.0	
0.0			SLE_fe~1 Max	I	-5363.1	0.0	667.9	0.0	80.1	
0.0				J	-5363.1	0.0	667.9	0.0	0.0	
0.0			Min	I	-6486.8	0.0	105.9	0.0	12.7	
0.0				J	-6486.8	0.0	105.9	0.0	0.0	
0.0			SLE_qp~4 Max	I	-5407.2	0.0	22.0	0.0	2.6	
0.0				J	-5407.2	0.0	22.0	0.0	0.0	
0.0			Min	I	-5407.2	0.0	22.0	0.0	2.6	
0.0				J	-5407.2	0.0	22.0	0.0	0.0	
0.0			SLU-SL~1 Max	I	-2399.1	0.0	4141.9	0.0	497.0	
0.0				J	-2399.1	0.0	4141.9	0.0	0.0	
0.0			Min	I	-10857.1	0.0	37.1	0.0	4.5	

PROJECT TITLE :

		Company			Client			
		Author	HP Inc.		File Name	Pulvino_CAP-Incorporate_Long_output		
0.0			J	-10857.1	0.0	37.1	0.0	0.0
0.0		SLE-SL~1 Max	I	-3300.7	0.0	2789.6	0.0	334.7
0.0			J	-3300.7	0.0	2789.6	0.0	0.0
0.0		Min	I	-7693.6	0.0	31.4	0.0	3.8
0.0			J	-7693.6	0.0	31.4	0.0	0.0
2	1	2 SLU_Env Max	I	-9504.3	0.0	1607.2	0.0	192.9
0.0			J	-9504.3	0.0	1607.2	0.0	0.0
0.0		Min	I	-16132.8	0.0	42.9	0.0	5.1
0.0			J	-16132.8	0.0	42.9	0.0	0.0
0.0		SLV_Env Max	I	-8512.9	0.0	4149.1	0.0	497.9
0.0			J	-8512.9	0.0	4149.1	0.0	0.0
0.0		Min	I	-12112.5	0.0	1265.4	0.0	151.9
0.0			J	-12112.5	0.0	1265.4	0.0	0.0
0.0		SLE_ra~2 Max	I	-6843.6	0.0	1058.0	0.0	127.0
0.0			J	-6843.6	0.0	1058.0	0.0	0.0
0.0		Min	I	-11246.0	0.0	35.6	0.0	4.3
0.0			J	-11246.0	0.0	35.6	0.0	0.0
0.0		SLD_Env Max	I	-7474.4	0.0	2795.4	0.0	335.5
0.0			J	-7474.4	0.0	2795.4	0.0	0.0
0.0		Min	I	-9986.1	0.0	859.1	0.0	103.1
0.0			J	-9986.1	0.0	859.1	0.0	0.0
0.0		SLE_fe~1 Max	I	-7426.8	0.0	673.1	0.0	80.8
0.0			J	-7426.8	0.0	673.1	0.0	0.0
0.0		Min	I	-9595.8	0.0	110.1	0.0	13.2
0.0			J	-9595.8	0.0	110.1	0.0	0.0
0.0		SLE_qp~4 Max	I	-6606.8	0.0	26.0	0.0	3.1
0.0			J	-6606.8	0.0	26.0	0.0	0.0
0.0		Min	I	-6606.8	0.0	26.0	0.0	3.1
0.0			J	-6606.8	0.0	26.0	0.0	0.0
0.0		SLU-SL~1 Max	I	-8512.9	0.0	4149.1	0.0	497.9
0.0			J	-8512.9	0.0	4149.1	0.0	0.0

PROJECT TITLE :

	Company			Client			
	Author	HP Inc.		File Name	Pulvino_CAP-Incorporate_Long_output		

0.0		Min	I	-16132.8	0.0	42.9	0.0	5.1
0.0			J	-16132.8	0.0	42.9	0.0	0.0
0.0								
0.0	SLE-SL~1	Max	I	-6843.6	0.0	2795.4	0.0	335.5
0.0			J	-6843.6	0.0	2795.4	0.0	0.0
0.0		Min	I	-11246.0	0.0	35.6	0.0	4.3
0.0			J	-11246.0	0.0	35.6	0.0	0.0
0.0								

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

REACTION FORCES & MOMENTS DEFAULT PRINTOUT.

Unit System : kN , m

Node	LC		FX	FY	FZ	MX	MY	MZ
1	SLU_Env	Max	-37.1	0.0	10857.1	0.0	-4.5	0.0
		Min	-1598.8	0.0	7467.9	0.0	-191.9	0.0
	SLV_Env	Max	-1260.1	0.0	7692.6	0.0	-151.2	0.0
		Min	-4141.9	0.0	2399.1	0.0	-497.0	0.0
	SLE_ra~2	Max	-31.4	0.0	7693.6	0.0	-3.8	0.0
		Min	-1052.0	0.0	5342.2	0.0	-126.2	0.0
	SLD_Env	Max	-854.8	0.0	6239.4	0.0	-102.6	0.0
		Min	-2789.6	0.0	3300.7	0.0	-334.7	0.0
	SLE_fe~1	Max	-105.9	0.0	6486.8	0.0	-12.7	0.0
		Min	-667.9	0.0	5363.1	0.0	-80.1	0.0
	SLE_qp~4	Max	-22.0	0.0	5407.2	0.0	-2.6	0.0
		Min	-22.0	0.0	5407.2	0.0	-2.6	0.0
	SLU-SL~1	Max	-37.1	0.0	10857.1	0.0	-4.5	0.0
		Min	-4141.9	0.0	2399.1	0.0	-497.0	0.0
SLE-SL~1	Max	-31.4	0.0	7693.6	0.0	-3.8	0.0	
	Min	-2789.6	0.0	3300.7	0.0	-334.7	0.0	
2	SLU_Env	Max	-42.9	0.0	16132.8	0.0	-5.1	0.0
		Min	-1607.2	0.0	9504.3	0.0	-192.9	0.0
	SLV_Env	Max	-1265.4	0.0	12112.5	0.0	-151.9	0.0
		Min	-4149.1	0.0	8512.9	0.0	-497.9	0.0
	SLE_ra~2	Max	-35.6	0.0	11246.0	0.0	-4.3	0.0
		Min	-1058.0	0.0	6843.6	0.0	-127.0	0.0
	SLD_Env	Max	-859.1	0.0	9986.1	0.0	-103.1	0.0
		Min	-2795.4	0.0	7474.4	0.0	-335.5	0.0
	SLE_fe~1	Max	-110.1	0.0	9595.8	0.0	-13.2	0.0
		Min	-673.1	0.0	7426.8	0.0	-80.8	0.0
	SLE_qp~4	Max	-26.0	0.0	6606.8	0.0	-3.1	0.0
		Min	-26.0	0.0	6606.8	0.0	-3.1	0.0
	SLU-SL~1	Max	-42.9	0.0	16132.8	0.0	-5.1	0.0
		Min	-4149.1	0.0	8512.9	0.0	-497.9	0.0
SLE-SL~1	Max	-35.6	0.0	11246.0	0.0	-4.3	0.0	
	Min	-2795.4	0.0	6843.6	0.0	-335.5	0.0	


SUMMATION OF REACTION FORCES

LC	SUM-FX	SUM-FY	SUM-FZ
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PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output

TRUSS ELEMENT FORCES DEFAULT PRINTOUT

Unit System : kN , m

ELEM	MAT	SEC	LC		FORCE-I	FORCE-J
3	1	1	SLU_Env	Max	6170.3	6170.3
				Min	4163.9	4163.9
			SLV_Env	Max	5241.7	5241.7
				Min	3454.0	3454.0
			SLE_ra~2	Max	4342.2	4342.2
				Min	2995.5	2995.5
			SLD_Env	Max	4247.1	4247.1
				Min	3027.0	3027.0
			SLE_fe~1	Max	3766.1	3766.1
				Min	3079.1	3079.1
			SLE_qp~4	Max	2893.6	2893.6
				Min	2893.6	2893.6
			SLU-SL~1	Max	6170.3	6170.3
				Min	3454.0	3454.0
SLE-SL~1	Max	4342.2	4342.2			
	Min	2995.5	2995.5			
4	1	1	SLU_Env	Max	-1713.4	-1713.4
				Min	-2697.4	-2697.4
			SLV_Env	Max	4722.8	4722.8
				Min	-1292.1	-1292.1
			SLE_ra~2	Max	-1251.3	-1251.3
				Min	-1941.5	-1941.5
			SLD_Env	Max	2506.4	2506.4
				Min	-1233.6	-1233.6
			SLE_fe~1	Max	-1371.0	-1371.0
				Min	-1597.1	-1597.1
			SLE_qp~4	Max	-1553.6	-1553.6
				Min	-1553.6	-1553.6
			SLU-SL~1	Max	4722.8	4722.8
				Min	-2697.4	-2697.4
SLE-SL~1	Max	2506.4	2506.4			
	Min	-1941.5	-1941.5			
5	1	1	SLU_Env	Max	-7501.3	-7501.3
				Min	-11163.7	-11163.7
			SLV_Env	Max	-2581.1	-2581.1
				Min	-8276.1	-8276.1
			SLE_ra~2	Max	-5327.0	-5327.0
				Min	-7885.7	-7885.7
			SLD_Env	Max	-3551.1	-3551.1
				Min	-6701.7	-6701.7
			SLE_fe~1	Max	-5327.0	-5327.0
				Min	-6684.5	-6684.5
			SLE_qp~4	Max	-5372.1	-5372.1
				Min	-5372.1	-5372.1
			SLU-SL~1	Max	-2581.1	-2581.1
				Min	-11163.7	-11163.7
SLE-SL~1	Max	-3551.1	-3551.1			
	Min	-7885.7	-7885.7			
6	1	1	SLU_Env	Max	-9885.2	-9885.2
				Min	-16512.8	-16512.8
			SLV_Env	Max	-8244.6	-8244.6
				Min	-10539.6	-10539.6
			SLE_ra~2	Max	-7116.8	-7116.8
				Min	-11535.5	-11535.5
			SLD_Env	Max	-7410.9	-7410.9
				Min	-8827.2	-8827.2
			SLE_fe~1	Max	-7784.5	-7784.5
				Min	-9897.4	-9897.4
			SLE_qp~4	Max	-6874.6	-6874.6
				Min	-6874.6	-6874.6

PROJECT TITLE :

MIDAS	Company			Client		
	Author	HP Inc.		File Name	Pulvino_CAP-Incorporate_Long_output	

				Min	-6874.6	-6874.6
			SLU-SL~1	Max	-8244.6	-8244.6
				Min	-16512.8	-16512.8
			SLE-SL~1	Max	-7116.8	-7116.8
				Min	-11535.5	-11535.5
7	1	1	SLU_Env	Max	-295.7	-295.7
				Min	-1776.6	-1776.6
			SLV_Env	Max	0.0	0.0
				Min	0.0	0.0
			SLE_ra~2	Max	-265.3	-265.3
				Min	-1287.3	-1287.3
			SLD_Env	Max	0.0	0.0
				Min	-95.4	-95.4
			SLE_fe~1	Max	-550.4	-550.4
				Min	-1112.1	-1112.1
			SLE_qp~4	Max	-981.6	-981.6
				Min	-981.6	-981.6
			SLU-SL~1	Max	0.0	0.0
				Min	-1776.6	-1776.6
			SLE-SL~1	Max	0.0	0.0
				Min	-1287.3	-1287.3
8	1	1	SLU_Env	Max	-568.9	-568.9
				Min	-1943.9	-1943.9
			SLV_Env	Max	-1766.5	-1766.5
				Min	-6313.2	-6313.2
			SLE_ra~2	Max	-405.9	-405.9
				Min	-1326.0	-1326.0
			SLD_Env	Max	-1187.5	-1187.5
				Min	-4262.1	-4262.1
			SLE_fe~1	Max	-405.9	-405.9
				Min	-985.6	-985.6
			SLE_qp~4	Max	-472.2	-472.2
				Min	-472.2	-472.2
			SLU-SL~1	Max	-568.9	-568.9
				Min	-6313.2	-6313.2
			SLE-SL~1	Max	-405.9	-405.9
				Min	-4262.1	-4262.1

PROJECT TITLE :

	Company		Client	
	Author	HP Inc.	File Name	Pulvino_CAP-Incorporate_Long_output