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;  MIDAS/Civil Text(MCT) File.
;  Date : 2017/6/15
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; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
   0           , , 354to358 361to369 371to373 375to381 383to385 387to393 395to397 \
        399to406 409to412 415to432 434to437 443to446 624 625 627to629 631to637 \
        639to641 643to649 651to655 657to661 788to907, 0
   1           , 357to359 367to369 392to394 407to409 412to414 675to677 683to685 \
        700to702 711to713 716to718 777to784 793to800 833to840 853to868 905to924
\
        937to956, 356 357 367 368 387 388 399 400 404 405 421to424 692to695 \
        699to702 788to795 804to811 844to851 864to879 916to931 944to959, 0
   2           , 372to374 387to389 402to404 417to419 428 432 433 636 686to688 \
        697to699 708to710 719to721 728 731 732 773 801to808 825to832 849to852 \
        869to876 885to896, 371 372 383 384 395 396 410 411 425to427 435 436 654
\
        655 727to730 734to737 812to819 836to843 860to863 880to887 896to907 \
        964to995, 0
   난간        , 640to656 741to757 897to904 929to936 1001to1008 1013to1020 \
        1025to1032 1057to1064, 676to781by7 908to911 936to939 996to999 1008to1011
\
        1020to1023 1048to1051, 0
*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, DB, NAME, CODE, 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, DB, NAME, CODE, USEELAST, ELAST or 2, ELAST, POISN,
THERMAL, DEN, MASS
     1, CONC , C27                    , 0, 0, , C, NO, 0.05, 1, KSCE-LSD15(RC),
  , C27             , NO, 2.7207
     2, CONC , C40                    , 0, 0, , C, NO, 0.05, 1, KSCE-LSD15(RC),
  , C40             , NO, 3.05752
*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
     2, 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 ; 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)
; bUSERDEFMESHSIZE, MESHSIZE, 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
; 1st line - COMPOSITE-SB
;       Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                               ; 2nd
line
;       N1, N2, Hr, Hr2, tr1, tr2                                       ; 3rd
line
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ;
4th line
;     iSEC,     TYPE,     SNAME,     [OFFSET],     bSD,     bWE,     SHAPE
; 1st line - COMPOSITE-SI
;       Hw, tw, B, tf1, B2, tf2                                         ; 2nd
line
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ;
3rd 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
; bUSERDEFMESHSIZE, MESHSIZE, 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
; [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 , 거더-중아부 , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2200, 760, 220, 255, 720, 370, 0, 0, 0, 0
2, DBUSER , 거더-지점 , CC, 0, 0, 0, 0, 0, 0, YES, NO, T , 2, 2200, 760, 720, 255, 0, 0, 0, 0, 0, 0
3, DBUSER , 가로보-지점 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2440, 500, 0, 0, 0, 0, 0, 0, 0, 0
4, DBUSER , 가로보-중앙부 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2190, 300, 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
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
4, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*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
; 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)
;           bUSERDEFMESHSIZE, MESHSIZE, 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

; 1st line - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE
; 1st line - COMPOSITE-SI
; Hw, tw, B, tf1, B2, tf2 ; 2nd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd 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
; bUSERDEFMESHSIZE, MESHSIZE, 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
; [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 , 거더-중아부 , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 2200, 760, 220, 255, 720, 370, 0, 0, 0, 0
2, DBUSER , 거더-지점 , CC, 0, 0, 0, 0, 0, 0, YES, NO, T , 2, 2200, 760, 720, 255, 0, 0, 0, 0, 0, 0
3, DBUSER , 가로보-지점 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2440, 500, 0, 0, 0, 0, 0, 0, 0, 0
4, DBUSER , 가로보-중앙부 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2190, 300, 0, 0, 0, 0, 0, 0, 0, 0
*THICKNESS ; Thickness
; iTHK, TYPE, bSAME, THIK-IN, THIK-OUT, bOFFSET, OFFTYPE, VALUE ; TYPE=VALUE
; iTHK, TYPE, SUBTYPE, RPOS, WEIGHT ; TYPE=STIFFENED, SUBTYPE=VALUE

; SHAPE, THIK-IN, THIK-OUT, HU, HL ; for yz section
; SHAPE, THIK-IN, THIK-OUT, HU, HL ; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK ; TYPE=STIFFENED, SUBTYPE=USER
; bRIB {, SHAPE, DIST, SIZE1, SIZE2, ..., SIZE6} ; for yz section
; bRIB {, SHAPE, DIST, SIZE2, SIZE2, ..., SIZE6} ; for xz section
; iTHK, TYPE, SUBTYPE, RPOS, PLATETHIK, DBNAME ; TYPE=STIFFENED, SUBTYPE=DB
; bRIB {, SHAPE, DIST, SNAME} ; for yz section
; bRIB {, SHAPE, DIST, SNAME} ; for xz section
    1, VALUE, YES, 240, 0, NO, 0, 0
*THIK-COLOR
; iTHK, 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
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
  자중 , D ,
  포장 , DW,
  난간 , DC,
  lc1 , L ,
  lc2 , L ,
  lc3 , L ,
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
  629, 111000,
  437 438 624 635, 101000,
  627 628 630to632, 011000,
  426 427 429 430 435 436 439to442 621to623 625 626 633 634 637to639, 001000,
*ELASTICLINK
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP ; GEN
; iNO, iNODE1, iNODE2, LINK, ANGLE, bSHEAR, DRy, DRz, GROUP ; RIGID
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, bSHEAR, DRy, DRz, GROUP ; TENS,COMP
; iNO, iNODE1, iNODE2, LINK, ANGLE, (UN)SYM, NUM, DIST1, FORCE1 ... DIST10, FORCE10, DIR, bSHEAR, DRENDI, GROUP ; MULTI LINEAR

1, 366, 682, RIGID, 0, NO, 0.5, 0.5,
2, 621, 758, RIGID, 0, NO, 0.5, 0.5,
3, 367, 683, RIGID, 0, NO, 0.5, 0.5,
4, 368, 684, RIGID, 0, NO, 0.5, 0.5,
5, 369, 685, RIGID, 0, NO, 0.5, 0.5,
6, 622, 759, RIGID, 0, NO, 0.5, 0.5,
7, 623, 760, RIGID, 0, NO, 0.5, 0.5,
8, 372, 686, RIGID, 0, NO, 0.5, 0.5,
9, 373, 687, RIGID, 0, NO, 0.5, 0.5,
10, 374, 688, RIGID, 0, NO, 0.5, 0.5,
11, 624, 761, RIGID, 0, NO, 0.5, 0.5,
12, 625, 762, RIGID, 0, NO, 0.5, 0.5,
13, 377, 689, RIGID, 0, NO, 0.5, 0.5,
14, 378, 690, RIGID, 0, NO, 0.5, 0.5,
15, 379, 691, RIGID, 0, NO, 0.5, 0.5,
16, 626, 763, RIGID, 0, NO, 0.5, 0.5,
17, 380, 692, RIGID, 0, NO, 0.5, 0.5,
18, 395, 703, RIGID, 0, NO, 0.5, 0.5,
19, 632, 769, RIGID, 0, NO, 0.5, 0.5,
20, 394, 702, RIGID, 0, NO, 0.5, 0.5,
21, 393, 701, RIGID, 0, NO, 0.5, 0.5,
22, 392, 700, RIGID, 0, NO, 0.5, 0.5,
23, 631, 768, RIGID, 0, NO, 0.5, 0.5,
24, 630, 767, RIGID, 0, NO, 0.5, 0.5,
25, 389, 699, RIGID, 0, NO, 0.5, 0.5,
26, 388, 698, RIGID, 0, NO, 0.5, 0.5,
27, 387, 697, RIGID, 0, NO, 0.5, 0.5,
28, 629, 766, RIGID, 0, NO, 0.5, 0.5,
29, 628, 765, RIGID, 0, NO, 0.5, 0.5,
30, 384, 696, RIGID, 0, NO, 0.5, 0.5,
31, 383, 695, RIGID, 0, NO, 0.5, 0.5,
32, 382, 694, RIGID, 0, NO, 0.5, 0.5,
33, 627, 764, RIGID, 0, NO, 0.5, 0.5,
34, 381, 693, RIGID, 0, NO, 0.5, 0.5,
35, 410, 714, RIGID, 0, NO, 0.5, 0.5,
36, 639, 776, RIGID, 0, NO, 0.5, 0.5,
37, 409, 713, RIGID, 0, NO, 0.5, 0.5,
38, 408, 712, RIGID, 0, NO, 0.5, 0.5,
39, 407, 711, RIGID, 0, NO, 0.5, 0.5,
40, 638, 775, RIGID, 0, NO, 0.5, 0.5,
41, 637, 774, RIGID, 0, NO, 0.5, 0.5,

42, 404, 710, RIGID, 0, NO, 0.5, 0.5,
43, 636, 773, RIGID, 0, NO, 0.5, 0.5,
44, 402, 708, RIGID, 0, NO, 0.5, 0.5,
45, 635, 772, RIGID, 0, NO, 0.5, 0.5,
46, 634, 771, RIGID, 0, NO, 0.5, 0.5,
47, 399, 707, RIGID, 0, NO, 0.5, 0.5,
48, 398, 706, RIGID, 0, NO, 0.5, 0.5,
49, 397, 705, RIGID, 0, NO, 0.5, 0.5,
50, 633, 770, RIGID, 0, NO, 0.5, 0.5,
51, 396, 704, RIGID, 0, NO, 0.5, 0.5,
52, 411, 715, RIGID, 0, NO, 0.5, 0.5,
53, 426, 726, RIGID, 0, NO, 0.5, 0.5,
54, 412, 716, RIGID, 0, NO, 0.5, 0.5,
55, 717, 413, RIGID, 0, NO, 0.5, 0.5,
56, 718, 414, RIGID, 0, NO, 0.5, 0.5,
57, 740, 442, RIGID, 0, NO, 0.5, 0.5,
58, 440, 738, RIGID, 0, NO, 0.5, 0.5,
59, 417, 719, RIGID, 0, NO, 0.5, 0.5,
60, 418, 720, RIGID, 0, NO, 0.5, 0.5,
61, 419, 721, RIGID, 0, NO, 0.5, 0.5,
62, 438, 736, RIGID, 0, NO, 0.5, 0.5,
63, 436, 734, RIGID, 0, NO, 0.5, 0.5,
64, 422, 722, RIGID, 0, NO, 0.5, 0.5,
65, 423, 723, RIGID, 0, NO, 0.5, 0.5,
66, 424, 724, RIGID, 0, NO, 0.5, 0.5,
67, 429, 729, RIGID, 0, NO, 0.5, 0.5,
68, 425, 725, RIGID, 0, NO, 0.5, 0.5,
69, 356, 674, RIGID, 0, NO, 0.5, 0.5,
70, 427, 727, RIGID, 0, NO, 0.5, 0.5,
71, 357, 675, RIGID, 0, NO, 0.5, 0.5,
72, 358, 676, RIGID, 0, NO, 0.5, 0.5,
73, 359, 677, RIGID, 0, NO, 0.5, 0.5,
74, 441, 739, RIGID, 0, NO, 0.5, 0.5,
75, 439, 737, RIGID, 0, NO, 0.5, 0.5,
76, 432, 731, RIGID, 0, NO, 0.5, 0.5,
77, 428, 728, RIGID, 0, NO, 0.5, 0.5,
78, 433, 732, RIGID, 0, NO, 0.5, 0.5,
79, 437, 735, RIGID, 0, NO, 0.5, 0.5,
80, 435, 733, RIGID, 0, NO, 0.5, 0.5,
81, 362, 678, RIGID, 0, NO, 0.5, 0.5,
82, 363, 679, RIGID, 0, NO, 0.5, 0.5,

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 83,   364,   680, RIGID,      0, NO, 0.5, 0.5,
 84,   430,   730, RIGID,      0, NO, 0.5, 0.5,
 85,   365,   681, RIGID,      0, NO, 0.5, 0.5,
 86,   861,   921, RIGID,      0, NO, 0.5, 0.5,
 87,   862,   922, RIGID,      0, NO, 0.5, 0.5,
 88,   863,   923, RIGID,      0, NO, 0.5, 0.5,
 89,   864,   924, RIGID,      0, NO, 0.5, 0.5,
 90,   865,   953, RIGID,      0, NO, 0.5, 0.5,
 91,   866,   954, RIGID,      0, NO, 0.5, 0.5,
 92,   867,   955, RIGID,      0, NO, 0.5, 0.5,
 93,   868,   956, RIGID,      0, NO, 0.5, 0.5,
 94,   860,   917, RIGID,      0, NO, 0.5, 0.5,
 95,   859,   918, RIGID,      0, NO, 0.5, 0.5,
 96,   858,   919, RIGID,      0, NO, 0.5, 0.5,
 97,   857,   920, RIGID,      0, NO, 0.5, 0.5,
 98,   856,   949, RIGID,      0, NO, 0.5, 0.5,
 99,   855,   950, RIGID,      0, NO, 0.5, 0.5,
100,   854,   951, RIGID,      0, NO, 0.5, 0.5,
101,   853,   952, RIGID,      0, NO, 0.5, 0.5,
102,   840,   913, RIGID,      0, NO, 0.5, 0.5,
103,   839,   914, RIGID,      0, NO, 0.5, 0.5,
104,   838,   915, RIGID,      0, NO, 0.5, 0.5,
105,   837,   916, RIGID,      0, NO, 0.5, 0.5,
106,   836,   945, RIGID,      0, NO, 0.5, 0.5,
107,   835,   946, RIGID,      0, NO, 0.5, 0.5,
108,   834,   947, RIGID,      0, NO, 0.5, 0.5,
109,   833,   948, RIGID,      0, NO, 0.5, 0.5,
110,   793,   909, RIGID,      0, NO, 0.5, 0.5,
111,   794,   910, RIGID,      0, NO, 0.5, 0.5,
112,   795,   911, RIGID,      0, NO, 0.5, 0.5,
113,   796,   912, RIGID,      0, NO, 0.5, 0.5,
114,   797,   941, RIGID,      0, NO, 0.5, 0.5,
115,   798,   942, RIGID,      0, NO, 0.5, 0.5,
116,   799,   943, RIGID,      0, NO, 0.5, 0.5,
117,   800,   944, RIGID,      0, NO, 0.5, 0.5,
118,   784,   940, RIGID,      0, NO, 0.5, 0.5,
119,   783,   939, RIGID,      0, NO, 0.5, 0.5,
120,   782,   938, RIGID,      0, NO, 0.5, 0.5,
121,   781,   937, RIGID,      0, NO, 0.5, 0.5,
122,   780,   908, RIGID,      0, NO, 0.5, 0.5,
123,   779,   907, RIGID,      0, NO, 0.5, 0.5,
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124, 778, 906, RIGID, 0, NO, 0.5, 0.5,
125, 777, 905, RIGID, 0, NO, 0.5, 0.5,
126, 869, 977, RIGID, 0, NO, 0.5, 0.5,
127, 870, 978, RIGID, 0, NO, 0.5, 0.5,
128, 871, 979, RIGID, 0, NO, 0.5, 0.5,
129, 872, 980, RIGID, 0, NO, 0.5, 0.5,
130, 873, 997, RIGID, 0, NO, 0.5, 0.5,
131, 874, 998, RIGID, 0, NO, 0.5, 0.5,
132, 875, 999, RIGID, 0, NO, 0.5, 0.5,
133, 876, 1000, RIGID, 0, NO, 0.5, 0.5,
134, 896, 973, RIGID, 0, NO, 0.5, 0.5,
135, 895, 974, RIGID, 0, NO, 0.5, 0.5,
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137, 893, 976, RIGID, 0, NO, 0.5, 0.5,
138, 852, 993, RIGID, 0, NO, 0.5, 0.5,
139, 851, 994, RIGID, 0, NO, 0.5, 0.5,
140, 850, 995, RIGID, 0, NO, 0.5, 0.5,
141, 849, 996, RIGID, 0, NO, 0.5, 0.5,
142, 832, 969, RIGID, 0, NO, 0.5, 0.5,
143, 831, 970, RIGID, 0, NO, 0.5, 0.5,
144, 830, 971, RIGID, 0, NO, 0.5, 0.5,
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146, 828, 989, RIGID, 0, NO, 0.5, 0.5,
147, 827, 990, RIGID, 0, NO, 0.5, 0.5,
148, 826, 991, RIGID, 0, NO, 0.5, 0.5,
149, 825, 992, RIGID, 0, NO, 0.5, 0.5,
150, 801, 962, RIGID, 0, NO, 0.5, 0.5,
151, 885, 961, RIGID, 0, NO, 0.5, 0.5,
152, 886, 963, RIGID, 0, NO, 0.5, 0.5,
153, 802, 964, RIGID, 0, NO, 0.5, 0.5,
154, 887, 965, RIGID, 0, NO, 0.5, 0.5,
155, 803, 966, RIGID, 0, NO, 0.5, 0.5,
156, 888, 967, RIGID, 0, NO, 0.5, 0.5,
157, 804, 968, RIGID, 0, NO, 0.5, 0.5,
158, 889, 981, RIGID, 0, NO, 0.5, 0.5,
159, 805, 982, RIGID, 0, NO, 0.5, 0.5,
160, 890, 983, RIGID, 0, NO, 0.5, 0.5,
161, 806, 984, RIGID, 0, NO, 0.5, 0.5,
162, 891, 985, RIGID, 0, NO, 0.5, 0.5,
163, 807, 986, RIGID, 0, NO, 0.5, 0.5,
164, 892, 987, RIGID, 0, NO, 0.5, 0.5,

165, 808, 988, RIGID, 0, NO, 0.5, 0.5,
166, 877, 1049, RIGID, 0, NO, 0.5, 0.5,
167, 878, 1050, RIGID, 0, NO, 0.5, 0.5,
168, 879, 1051, RIGID, 0, NO, 0.5, 0.5,
169, 880, 1052, RIGID, 0, NO, 0.5, 0.5,
170, 881, 1081, RIGID, 0, NO, 0.5, 0.5,
171, 882, 1082, RIGID, 0, NO, 0.5, 0.5,
172, 883, 1083, RIGID, 0, NO, 0.5, 0.5,
173, 884, 1084, RIGID, 0, NO, 0.5, 0.5,
174, 848, 1045, RIGID, 0, NO, 0.5, 0.5,
175, 847, 1046, RIGID, 0, NO, 0.5, 0.5,
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177, 845, 1048, RIGID, 0, NO, 0.5, 0.5,
178, 844, 1077, RIGID, 0, NO, 0.5, 0.5,
179, 843, 1078, RIGID, 0, NO, 0.5, 0.5,
180, 842, 1079, RIGID, 0, NO, 0.5, 0.5,
181, 841, 1080, RIGID, 0, NO, 0.5, 0.5,
182, 824, 1041, RIGID, 0, NO, 0.5, 0.5,
183, 823, 1042, RIGID, 0, NO, 0.5, 0.5,
184, 822, 1043, RIGID, 0, NO, 0.5, 0.5,
185, 821, 1044, RIGID, 0, NO, 0.5, 0.5,
186, 820, 1073, RIGID, 0, NO, 0.5, 0.5,
187, 819, 1074, RIGID, 0, NO, 0.5, 0.5,
188, 818, 1075, RIGID, 0, NO, 0.5, 0.5,
189, 817, 1076, RIGID, 0, NO, 0.5, 0.5,
190, 809, 1037, RIGID, 0, NO, 0.5, 0.5,
191, 785, 1033, RIGID, 0, NO, 0.5, 0.5,
192, 786, 1034, RIGID, 0, NO, 0.5, 0.5,
193, 810, 1038, RIGID, 0, NO, 0.5, 0.5,
194, 787, 1035, RIGID, 0, NO, 0.5, 0.5,
195, 811, 1039, RIGID, 0, NO, 0.5, 0.5,
196, 788, 1036, RIGID, 0, NO, 0.5, 0.5,
197, 812, 1040, RIGID, 0, NO, 0.5, 0.5,
198, 789, 1065, RIGID, 0, NO, 0.5, 0.5,
199, 813, 1069, RIGID, 0, NO, 0.5, 0.5,
200, 790, 1066, RIGID, 0, NO, 0.5, 0.5,
201, 814, 1070, RIGID, 0, NO, 0.5, 0.5,
202, 791, 1067, RIGID, 0, NO, 0.5, 0.5,
203, 815, 1071, RIGID, 0, NO, 0.5, 0.5,
204, 792, 1068, RIGID, 0, NO, 0.5, 0.5,
205, 816, 1072, RIGID, 0, NO, 0.5, 0.5,

; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
; LCNAME1, FACTOR1, LCNAME2, FACTOR2, ... ; from line 1
*LOADTOMASS, XYZ, NO, NO, NO, YES, 9806
 포장, 1, 난간, 1
*USE-STLD, 포장
*PRESSURE ; Pressure Loads
; ELEM_LIST, CMD, ETYP, LTYP, DIR, VX, VY, VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; ETYP=PLATE, LTYP=FACE
; ELEM_LIST, CMD, ETYP, LTYP, iEDGE, DIR, VX, VY, VZ, PU, P1, P2, GROUP ; ETYP=PLATE, LTYP=EDGE
; ELEM_LIST, CMD, ETYP, iEDGE, DIR, VX, VY, VZ, PU, P1, P2, GROUP ; ETYP=PLANE
; ELEM_LIST, CMD, ETYP, iFACE, DIR, VX, VY, VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; ETYP=SOLID
; [PLATE] : plate, plane stress, [PLANE] : axisymmetric, plane strain
 677, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 678, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 679, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 680, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 681, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 682, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 684, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 685, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 686, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 687, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 688, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 689, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 691, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 692, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 693, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 694, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 695, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 696, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 698, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 699, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 700, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 701, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 702, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 703, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 705, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
 706, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,

707, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
708, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
709, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
710, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
712, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
713, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
714, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
715, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
716, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
717, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
719, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
720, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
721, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
722, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
723, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
724, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
726, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
727, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
728, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
729, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
730, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
731, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
733, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
734, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
735, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
736, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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738, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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741, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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743, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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745, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
747, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
748, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
749, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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761, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
762, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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921, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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923, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,

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927, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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986, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
987, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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992, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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994, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1004, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1005, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1006, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1007, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1012, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1013, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1014, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1015, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1017, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,

1018, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1019, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1027, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1029, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1033, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1067, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
1068, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1073, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
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1075, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -1.19817e-007, 0, 0, 0, 0,
; End of data for load case [포장] ------------------------
*USE-STLD, 난간
*PRESSURE ; Pressure Loads
; ELEM_LIST, CMD, ETYP, LTYP, DIR, VX, VY, VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; ETYP=PLATE, LTYP=FACE
; ELEM_LIST, CMD, ETYP, LTYP, iEDGE, DIR, VX, VY, VZ, PU, P1, P2, GROUP ; ETYP=PLATE, LTYP=EDGE
; ELEM_LIST, CMD, ETYP, iEDGE, DIR, VX, VY, VZ, PU, P1, P2, GROUP ; ETYP=PLANE
; ELEM_LIST, CMD, ETYP, iFACE, DIR, VX, VY, VZ, bPROJ, PU, P1, P2, P3, P4, GROUP ; ETYP=SOLID
; [PLATE] : plate, plane stress, [PLANE] : axisymmetric, plane strain
676, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
683, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
690, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
697, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
704, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
711, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
718, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
725, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
732, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
739, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
746, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
753, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
760, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
767, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
774, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
781, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
908, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
909, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
910, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
911, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,

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   936, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   937, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   938, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   939, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   996, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   997, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   998, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
   999, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1008, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1009, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1010, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1011, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1020, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1021, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1022, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1023, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1048, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1049, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1050, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
  1051, PRES , PLATE, FACE, LZ, 0, 0, 0, NO, -2.36166e-006, 0, 0, 0, 0,
; End of data for load case [난간] -------------------------
*PNLOADTYPE    ; Plane Load Type
; NAME=NAME, TYPE(POINT/LINE/AREA), DESC
; CP_X=X1, X2, ...
; CP_Y=Y1, Y2, ...
; DATA=X1, Y1, F1, M1                                                    ;
TYPE=POINT
;       ...
;       Xn, Yn, Fn, Mn
; DATA=bUNIFORM, TYPE, X1, Y1, L1, X2, Y2, L2                            ;
TYPE=LINE
; DATA=bUNIFORM, b3PT, X1, Y1, L1, X2, Y2, L2, X3, Y3, L3, X4, Y4, L4 ;
TYPE=AREA
  NAME=lc1, POINT,
  DATA=84237, 9550, 3.3, 0
       87537, 9550, 5.573, 0
       88837, 9550, 5.573, 0
  NAME=lc2, POINT,
  DATA=84237, 5385, 3.3, 0
       87537, 5385, 5.573, 0
       88837, 5385, 5.573, 0
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  NAME=lc3, POINT,
  DATA=84237, 1220, 3.3, 0
       87537, 1220, 5.573, 0
       88837, 1220, 5.573, 0
*PLANELOAD     ; Plane Loads
; LCNAME, LTNAME, ETYPE, GROUP                                          ; 1st
line
; ELEM-SEL, ELEM-GROUP, FACE, DIR, PROJ, DESC                           ;
2nd line
; OX, OY, OZ, XX, XY, XZ, YX, YY, YZ, TOL, bLAREA, iNODE1, ... , iNODEn  ; 3rd
line
   lc1, lc1, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 11988.4, 1263.8,  105451, 12012.4, 1263.8,  105053, 1.41297, 1263.8,  1,
NO
   lc1, lc1, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 10138.4, 1263.8,  105451, 10162.4, 1263.8,  105053, -1848.59, 1263.8,  1,
NO
   lc2, lc2, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 11988.4, 1263.8,  105451, 12012.4, 1263.8,  105053, 1.41297, 1263.8,  1,
NO
   lc2, lc2, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 10138.4, 1263.8,  105451, 10162.4, 1263.8,  105053, -1848.59, 1263.8,  1,
NO
   lc3, lc3, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 11988.4, 1263.8,  105451, 12012.4, 1263.8,  105053, 1.41297, 1263.8,  1,
NO
   lc3, lc3, PLATE,
   LPLANE, , 1, NLP, NO,
   397.972, 10138.4, 1263.8,  105451, 10162.4, 1263.8,  105053, -1848.59, 1263.8,  1,
NO
*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, 자중, 163, 255, 160, 255, 87, 128, 0, 128, 57
 ST, 포장, 0, 128, 57, 255, 0, 128, 85, 0, 192
 ST, 난간, 148, 87, 255, 255, 128, 0, 210, 210, 210
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 ST, lc1, 0, 128, 128, 192, 72, 0, 160, 255, 255
 ST, lc2, 146, 0, 255, 192, 0, 192, 192, 0, 192
 ST, lc3, 0, 128, 128, 85, 0, 192, 0, 128, 255
*EIGEN-CTRL     ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX, bSTRUM      ;
TYPE=EIGEN
; TYPE, bINCNL, iGNUM                                               ; TYPE=RITZ(line
1)
;           KIND1, CASE1/GROUND1, iNOG1, ...                        ;
TYPE=RITZ(from line2)
   LANCZOS, 10, 20, 1, 1e-010, NO, 0, 0, NO
*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-ASD05
; [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 , C27                , 1, KSCE-LSD15(RC),             ,C27            ,
NO, 1, , , , 0, 0, 0.00192726364252828, NO, 0, 0,                 ,               ,
   , 0, NO, 1, , , , 0, 0, 0
    2, CONC , C40                , 1, KSCE-LSD15(RC),             ,C40            ,
NO, 1, , , , 0, 0, 0.0028552053963382, NO, 0, 0,                  ,               ,
  , 0, NO, 1, , , , 0, 0, 0
*ENDDATA
```