PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	시지교 하부구조(부산)

```
;-----------------------------------------------------------------------------
;  MIDAS/Civil Text(MCT) File.
;  Date : 2016/1/24
;-----------------------------------------------------------------------------

*VERSION
   8.4.5

*UNIT    ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   TONF , M, KCAL, C

*PROJINFO    ; Project Information
   USER=Microsoft
   ADDRESS=Microsoft

*REBAR-MATL-CODE    ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD300, KS01-Civil(RC), SD300

*NODE    ; Nodes
; iNO, X, Y, Z
     1, 0, 0, 0
     2, 0, 0, 5.6
     3, 0, 0, 7.5
     4, 1.5, 0, 7.5
     5, 3.55, 0, 7.5
     6, 4.65, 0, 7.5
     7, -1.5, 0, 7.5
     8, -3.55, 0, 7.5
     9, -4.65, 0, 7.5
    10, 3.55, 0, 9.4
    11, -3.55, 0, 9.4
    12, 0, 0, 1.12
    13, 0, 0, 2.24
    14, 0, 0, 3.36
    15, 0, 0, 4.48

*ELEMENT    ; Elements
; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB, EXVAL, iOPT(EXVAL2) ; 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
; iEL, TYPE, iMAT, iPRO, iN1, iN2, REF, RPX, RPY, RPZ, iSUB, EXVAL  ; Frame(Ref. Point
)
```


PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	시지교 하부구조(부산)

```
     1, BEAM  ,    1,     1,     1,    12,     0,     0
     2, BEAM  ,    1,     2,     9,     8,     0,     0
     3, BEAM  ,    1,     2,     8,     7,     0,     0
     4, BEAM  ,    1,     2,     6,     5,     0,     0
     5, BEAM  ,    1,     2,     5,     4,     0,     0
     6, BEAM  ,    1,     3,     7,     3,     0,     0
     7, BEAM  ,    1,     3,     3,     4,     0,     0
     8, BEAM  ,    1,     1,    12,    13,     0,     0
     9, BEAM  ,    1,     1,    13,    14,     0,     0
    10, BEAM  ,    1,     1,    14,    15,     0,     0
    11, BEAM  ,    1,     1,    15,     2,     0,     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
; [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
; [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS   ; Ort
hotropic
; [DATA2] : 1, DB, NAME, CODE or 2, ELAST, POISN, THERMAL, DEN, MASS
    1, CONC , C24               , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012   ,
 C24

*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, SHAPE, [DATA1], [DATA2]                  ; 1st l
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL            ; 1st l
ine - VALUE
;       AREA, ASy, ASz, Ixx, Iyy, Izz                                       ; 2nd l
ine
;       CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz             ; 3rd l
ine
;       Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz                            ; 4th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st l
ine - SRC
;       D1, D2, [SRC]                                                       ; 2nd l
ine
```

```
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2        ; 1st l
ine - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23,
D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE               ; 1st l
ine - TAPERED
;       DB, NAME1, NAME2                                                     ; 2nd l
ine(STYPE=DB)
;       [DIM1], [DIM2]                                                       ; 2nd l
ine(STYPE=USER)
;       D11, D12, D13, D14, D15, D16, D17, D18                               ; 2nd l
ine(STYPE=VALUE)
;       AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1                                  ; 3rd l
ine(STYPE=VALUE)
;       CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1    ; 4th l
ine(STYPE=VALUE)
;       Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                   ; 5th l
ine(STYPE=VALUE)
;       D21, D22, D23, D24, D25, D26, D27, D28                               ; 6th l
ine(STYPE=VALUE)
;       AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                  ; 7th l
ine(STYPE=VALUE)
;       CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2    ; 8th l
ine(STYPE=VALUE)
;       Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                   ; 9th l
ine(STYPE=VALUE)
;       OPT1, OPT2, [JOINT]                                                  ; 2nd l
ine(STYPE=PSC)
;       ELAST, DEN, POIS, POIC, THERMAL                                      ; 2nd l
ine(STYPE=PSC-CMPW)
;       bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd l
ine(STYPE=PSC)
;       bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                      ; 3rd l
ine(STYPE=PSC-CMPW)
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]      ; 4th l
ine(STYPE=PSC)
;       [SIZE-A]-i                                                           ; 5th l
ine(STYPE=PSC)
;       [SIZE-B]-i                                                           ; 6th l
ine(STYPE=PSC)
;       [SIZE-C]-i                                                           ; 7th l
ine(STYPE=PSC)
;       [SIZE-D]-i                                                           ; 8th l
ine(STYPE=PSC)
;       [SIZE-A]-j                                                           ; 9th l
```



```
ine(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 l
ine(STYPE=CMP-B/I)
;       SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i              ; 3rd l
ine(STYPE=CMP-B/I)
;       SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j              ; 4th l
ine(STYPE=CMP-B/I)
;       N1, N2, Hr, Hr2, tr1, tr2                                            ; 5th l
ine(STYPE=CMP-B)
;       GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      ; 2nd l
ine(STYPE=CMP-CI/CT)
;       OPT1, OPT2, [JOINT]                                                  ; 3rd l
ine(STYPE=CMP-CI/CT)
;       [SIZE-A]-i                                                           ; 4th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-B]-i                                                           ; 5th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-C]-i                                                           ; 6th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-D]-i                                                           ; 7th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-A]-j                                                           ; 8th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-B]-j                                                           ; 9th l
ine(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, STYPE1, STYPE2                           ; 1st l
ine - CONSTRUCT
;       SHAPE, ...(same with other type data from shape)                     ; Befor
e (STYPE1)
;       SHAPE, ...(same with other type data from shape)                     ; After
  (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                                    ; 1st l
ine - COMPOSITE-SB
;       Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                                    ; 2nd l
ine
```

```
;       N1, N2, Hr, Hr2, tr1, tr2                                       ; 3rd l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh       ; 4th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - COMPOSITE-SI
;       Hw, tw, B, tf1, B2, tf2                                         ; 2nd l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh       ; 3rd l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - COMPOSITE-CI/CT
;       OPT1, OPT2, [JOINT]                                             ; 2nd l
ine
;       [SIZE-A]                                                        ; 3rd l
ine
;       [SIZE-B]                                                        ; 4th l
ine
;       [SIZE-C]                                                        ; 5th l
ine
;       [SIZE-D]                                                        ; 6th l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb               ; 7th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - PSC
;       OPT1, OPT2, [JOINT]                                             ; 2nd l
ine
;       bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE                 ; 3rd l
ine
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]              ; 4th l
ine
;       [SIZE-A]                                                        ; 5th l
ine
;       [SIZE-B]                                                        ; 6th l
ine
;       [SIZE-C]                                                        ; 7th l
ine
;       [SIZE-D]                                                        ; 8th l
ine
; [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(nCE
LL),  2(nCEL2)
; [SIZE-A] :  6(1CELL, 2CELL), 10(3CELL), 10(PSCM),  6(PSCH), 8(PSCT), 10(PSCB), 5(nCE
LL), 11(nCEL2)
; [SIZE-B] :  6(1CELL, 2CELL), 12(3CELL),  6(PSCM),  6(PSCH), 8(PSCT),  6(PSCB), 8(nCE
LL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),  9(PSCM), 10(PSCH), 7(PSCT),  8(PSCB), 0(nCE
LL), 11(nCEL2)
; [SIZE-D] :  8(1CELL, 2CELL), 13(3CELL),  6(PSCM),  7(PSCH), 8(PSCT),  5(PSCB), 0(nCE
LL), 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
    1, DBUSER    , 기둥              , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 3, 0, 0, 0,
0, 0, 0, 0, 0, 0
    2, TAPERED   , coping            , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
       2, 3, 0, 0, 0, 0, 0, 0,  3.8, 3, 0, 0, 0, 0, 0, 0
    3, DBUSER    , 중앙부            , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3.8, 3, 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

*DGN-SECT
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2]                  ; 1st l
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL            ; 1st l
ine - VALUE
;       AREA, ASy, ASz, Ixx, Iyy, Izz                                       ; 2nd l
ine
;       CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz             ; 3rd l
ine
;       Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz                            ; 4th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st l
ine - SRC
;       D1, D2, [SRC]                                                       ; 2nd l
ine
```

```
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2        ; 1st l
ine - COMBINED
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22, D23,
D24
; iSEC, TYPE, SNAME, [OFFSET2], bSD, SHAPE, iyVAR, izVAR, STYPE               ; 1st l
ine - TAPERED
;       DB, NAME1, NAME2                                                     ; 2nd l
ine(STYPE=DB)
;       [DIM1], [DIM2]                                                       ; 2nd l
ine(STYPE=USER)
;       D11, D12, D13, D14, D15, D16, D17, D18                               ; 2nd l
ine(STYPE=VALUE)
;       AREA1, ASy1, ASz1, Ixx1, Iyy1, Izz1                                  ; 3rd l
ine(STYPE=VALUE)
;       CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1    ; 4th l
ine(STYPE=VALUE)
;       Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2                   ; 5th l
ine(STYPE=VALUE)
;       D21, D22, D23, D24, D25, D26, D27, D28                               ; 6th l
ine(STYPE=VALUE)
;       AREA2, ASy2, ASz2, Ixx2, Iyy2, Izz2                                  ; 7th l
ine(STYPE=VALUE)
;       CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2    ; 8th l
ine(STYPE=VALUE)
;       Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2                   ; 9th l
ine(STYPE=VALUE)
;       OPT1, OPT2, [JOINT]                                                  ; 2nd l
ine(STYPE=PSC)
;       ELAST, DEN, POIS, POIC, THERMAL                                      ; 2nd l
ine(STYPE=PSC-CMPW)
;       bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd l
ine(STYPE=PSC)
;       bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J]                      ; 3rd l
ine(STYPE=PSC-CMPW)
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J]      ; 4th l
ine(STYPE=PSC)
;       [SIZE-A]-i                                                           ; 5th l
ine(STYPE=PSC)
;       [SIZE-B]-i                                                           ; 6th l
ine(STYPE=PSC)
;       [SIZE-C]-i                                                           ; 7th l
ine(STYPE=PSC)
;       [SIZE-D]-i                                                           ; 8th l
ine(STYPE=PSC)
;       [SIZE-A]-j                                                           ; 9th l
```



```
ine(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 l
ine(STYPE=CMP-B/I)
;       SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i              ; 3rd l
ine(STYPE=CMP-B/I)
;       SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j              ; 4th l
ine(STYPE=CMP-B/I)
;       N1, N2, Hr, Hr2, tr1, tr2                                            ; 5th l
ine(STYPE=CMP-B)
;       GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j      ; 2nd l
ine(STYPE=CMP-CI/CT)
;       OPT1, OPT2, [JOINT]                                                  ; 3rd l
ine(STYPE=CMP-CI/CT)
;       [SIZE-A]-i                                                           ; 4th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-B]-i                                                           ; 5th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-C]-i                                                           ; 6th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-D]-i                                                           ; 7th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-A]-j                                                           ; 8th l
ine(STYPE=CMP-CI/CT)
;       [SIZE-B]-j                                                           ; 9th l
ine(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, STYPE1, STYPE2                           ; 1st l
ine - CONSTRUCT
;       SHAPE, ...(same with other type data from shape)                     ; Befor
e (STYPE1)
;       SHAPE, ...(same with other type data from shape)                     ; After
  (STYPE2)
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                                    ; 1st l
ine - COMPOSITE-SB
;       Hw, tw, B, Bf1, tf1, B2, Bf2, tf2                                    ; 2nd l
ine
```

```
;       N1, N2, Hr, Hr2, tr1, tr2                                       ; 3rd l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh       ; 4th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - COMPOSITE-SI
;       Hw, tw, B, tf1, B2, tf2                                         ; 2nd l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh       ; 3rd l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - COMPOSITE-CI/CT
;       OPT1, OPT2, [JOINT]                                             ; 2nd l
ine
;       [SIZE-A]                                                        ; 3rd l
ine
;       [SIZE-B]                                                        ; 4th l
ine
;       [SIZE-C]                                                        ; 5th l
ine
;       [SIZE-D]                                                        ; 6th l
ine
;       SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb               ; 7th l
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE                               ; 1st l
ine - PSC
;       OPT1, OPT2, [JOINT]                                             ; 2nd l
ine
;       bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE                 ; 3rd l
ine
;       bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF]              ; 4th l
ine
;       [SIZE-A]                                                        ; 5th l
ine
;       [SIZE-B]                                                        ; 6th l
ine
;       [SIZE-C]                                                        ; 7th l
ine
;       [SIZE-D]                                                        ; 8th l
ine
; [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(nCE
LL),  2(nCEL2)
; [SIZE-A] :  6(1CELL, 2CELL), 10(3CELL), 10(PSCM),  6(PSCH), 8(PSCT), 10(PSCB), 5(nCE
LL), 11(nCEL2)
; [SIZE-B] :  6(1CELL, 2CELL), 12(3CELL),  6(PSCM),  6(PSCH), 8(PSCT),  6(PSCB), 8(nCE
LL), 18(nCEL2)
; [SIZE-C] : 10(1CELL, 2CELL), 13(3CELL),  9(PSCM), 10(PSCH), 7(PSCT),  8(PSCB), 0(nCE
LL), 11(nCEL2)
; [SIZE-D] :  8(1CELL, 2CELL), 13(3CELL),  6(PSCM),  7(PSCH), 8(PSCT),  5(PSCB), 0(nCE
LL), 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
    1, DBUSER    , 기둥              , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 3, 0, 0, 0,
0, 0, 0, 0, 0, 0
    2, TAPERED   , coping            , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
       2, 3, 0, 0, 0, 0, 0, 0,  3.8, 3, 0, 0, 0, 0, 0, 0
    3, DBUSER    , 중앙부            , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3.8, 3, 0, 0
, 0, 0, 0, 0, 0, 0


*TS-GROUP    ; Tapered Section Group
; NAME, ELEM_LIST, ZVAR, ZEXP, ZFROM, ZDIST, YVAR, YEXP, YFROM, YDIST, iSCM
coping, 2to5,  LINEAR, , , ,  LINEAR, , , , 0

*STLDCASE    ; Static Load Cases
; LCNAME, LCTYPE, DESC
   자중 , D ,


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

*ELASTICLINK
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GR
OUP                          ; 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, D
IR, bSHEAR, DRENDI, GROUP ; MULTI LINEAR
     1,     8,    11, RIGID,     0, NO, 0.5, 0.5,
     2,     5,    10, RIGID,     0, NO, 0.5, 0.5,

*RIGIDLINK    ; Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
     3, 111111, 2,


*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, 0, 192, 192, 93, 255, 87, 255, 87, 87

*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 , C24              , 1, KS01-Civil(RC),           ,C24          , NO, 1
, , , , 0, 0, 1713.12323780292, NO, 0, 0,           ,           ,             , 0,
NO, 1, , , , 0, 0, 0

*SECTION MANAGER-GROUP & PART    ; Section Manager - Group & Part
; SECT = NO, bSAMEJ                                                          ; lin
e 1
;        GRPDISIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE                          ; lin
e 2
; ..........................................................................  ;

;        LOOP UTIL (GRPDISIZE, GRPDJSIZE)                                    ;

;        GROUPID, GROUPNAME, GROUPTYPE                                       ; lin
e n
```



```
; ..........................................................................  ;

;        LOOP UTIL (PARTISIZE, PARTJSIZE)                                    ;

;        PARTTYPE, GROUPID, PARTNAME, PARTSHAPE, bSTIFFENER                  ; lin
e n
;        LINESIZE, LINEINDEX[i]......                                        ; lin
e n
; ..........................................................................  ;

   SECT=2, YES
 0, 0, 0, 0

*SECTION MANAGER-STIFFENER    ; Section Manager - Stiffener
; SECT = NO, bSAMEJ                                                          ; lin
e 1
;        STFNISIZE, STFNJSIZE                                                ; lin
e 2
; ..........................................................................  ;

;        LOOP UTIL (STFNISIZE, STFNJSIZE)                                    ;

;        TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM, CTC                     ; lin
e n
;        STIFFTYPE, dSIZE(0 ~ 20)                                            ; lin
e n
;        LINESIZE, LINEINDEX[i]......                                        ; lin
e n
; ..........................................................................  ;

   SECT=2, YES
 0, 0

*ENDDATA
```