

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	금호강교_하부(부산)

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

*VERSION

8.4.5

*UNIT ; Unit System

: FORCE, LENGTH, HEAT, TEMPER
KN , 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, 19
3, 0, 0, 20.5
4, 0.687, 0, 20.5
5, 1.65, 0, 20.5
6, 2.15, 0, 20.5
7, 3.25, 0, 20.5
8, -0.687, 0, 20.5
9, -1.65, 0, 20.5
10, -2.15, 0, 20.5
11, -3.25, 0, 20.5
12, 2.15, 0, 22
13, -2.15, 0, 22
14, 0, 0, 1
15, 0, 0, 2
16, 0, 0, 3
17, 0, 0, 4
18, 0, 0, 5
19, 0, 0, 6
20, 0, 0, 7
21, 0, 0, 8
22, 0, 0, 9
23, 0, 0, 10

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24, 0, 0, 11
25, 0, 0, 12
26, 0, 0, 13
27, 0, 0, 14
28, 0, 0, 15
29, 0, 0, 16
30, 0, 0, 17
31, 0, 0, 18
32, 0, 0, 9.5
33, 1.32, 0, 20.5

*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
)

1, BEAM , 1, 1, 1, 14, 0, 0
2, BEAM , 1, 2, 11, 10, 0, 0
3, BEAM , 1, 2, 10, 9, 0, 0
4, BEAM , 1, 2, 7, 6, 0, 0
5, BEAM , 1, 2, 6, 5, 0, 0
6, BEAM , 1, 3, 9, 8, 0, 0
7, BEAM , 1, 3, 5, 33, 0, 0
8, BEAM , 1, 4, 8, 3, 0, 0
9, BEAM , 1, 4, 3, 4, 0, 0
10, BEAM , 1, 1, 14, 15, 0, 0
11, BEAM , 1, 1, 15, 16, 0, 0
12, BEAM , 1, 1, 16, 17, 0, 0
13, BEAM , 1, 1, 17, 18, 0, 0
14, BEAM , 1, 1, 18, 19, 0, 0
15, BEAM , 1, 1, 19, 20, 0, 0
16, BEAM , 1, 1, 20, 21, 0, 0
17, BEAM , 1, 1, 21, 22, 0, 0
18, BEAM , 1, 1, 22, 32, 0, 0
19, BEAM , 1, 1, 23, 24, 0, 0
20, BEAM , 1, 1, 24, 25, 0, 0
21, BEAM , 1, 1, 25, 26, 0, 0
22, BEAM , 1, 1, 26, 27, 0, 0
23, BEAM , 1, 1, 27, 28, 0, 0
24, BEAM , 1, 1, 28, 29, 0, 0
25, BEAM , 1, 1, 29, 30, 0, 0
26, BEAM , 1, 1, 30, 31, 0, 0
27, BEAM , 1, 1, 31, 2, 0, 0

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28, BEAM , 1, 1, 32, 23, 0, 0
29, BEAM , 1, 3, 33, 4, 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 I
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st I
ine - VALUE
; AREA, ASy, ASz, lxx, lyy, lzz ; 2nd I
ine
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd I
ine
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st I
ine - SRC
; D1, D2, [SRC] ; 2nd I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st I
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 I
ine - TAPERED
; DB, NAME1, NAME2 ; 2nd I
ine(STYPE=DB)
; [DIM1], [DIM2] ; 2nd I

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ine(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd I
ine(STYPE=VALUE)
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd I
ine(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th I
ine(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th I
ine(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th I
ine(STYPE=VALUE)
; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th I
ine(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th I
ine(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th I
ine(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd I
ine(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ; 2nd I
ine(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd I
ine(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd I
ine(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th I
ine(STYPE=PSC)
; [SIZE-A]-i ; 5th I
ine(STYPE=PSC)
; [SIZE-B]-i ; 6th I
ine(STYPE=PSC)
; [SIZE-C]-i ; 7th I
ine(STYPE=PSC)
; [SIZE-D]-i ; 8th I
ine(STYPE=PSC)
; [SIZE-A]-j ; 9th I
ine(STYPE=PSC)
; [SIZE-B]-j ; 10th
ine(STYPE=PSC)
; [SIZE-C]-j ; 11th
ine(STYPE=PSC)
; [SIZE-D]-j ; 12th
ine(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd I
ine(STYPE=CMP-B/I)

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```
; 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
```

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```
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
; bUSERDEFMESH SIZE, MESH SIZE, 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, iHORIZ, HUSER, iVERT, VUSER
; [OFFSET2] : OFFSET, iCENT, iREF, iHORIZ, HUSERJ, iVERT, 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
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LL), 11(nCEL2)
; [SIZE-D] : 8(1CELL, 2CELL), 13(3CELL), 6(PSCM), 7(PSCH), 8(PSCT), 5(PSCB), 0(nCEL2), 18(nCEL2)
; [STIFF] : AREA, ASy, ASz, lxx, lyy, lzz
; [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 , 기동 , CC, 0, 0, 0, 0, 0, 0, YES, SR , 2, 3.3, 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, 3.3, 0, 0, 0, 0, 0, 0, 3, 3.3, 0, 0, 0, 0, 0, 0
3, DBUSER , 중앙부1 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3, 3.3, 0, 0
, 0, 0, 0, 0, 0
4, DBUSER , 중앙부2 , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3, 3.5, 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, SHAPE, [DATA1], [DATA2] ; 1st I
ine - DB/USER
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, iCEL ; 1st I
ine - VALUE
; AREA, ASy, ASz, lxx, lyy, lzz ; 2nd I
ine
; CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz ; 3rd I
ine
; Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL ; 1st I
ine - SRC
; D1, D2, [SRC] ; 2nd I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, 1, DB, NAME1, NAME2, D1, D2 ; 1st I
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 I
ine - TAPERED

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; DB, NAME1, NAME2 ; 2nd I
ine(STYPE=DB)
; [DIM1], [DIM2] ; 2nd I
ine(STYPE=USER)
; D11, D12, D13, D14, D15, D16, D17, D18 ; 2nd I
ine(STYPE=VALUE)
; AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 ; 3rd I
ine(STYPE=VALUE)
; CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 ; 4th I
ine(STYPE=VALUE)
; Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 ; 5th I
ine(STYPE=VALUE)
; D21, D22, D23, D24, D25, D26, D27, D28 ; 6th I
ine(STYPE=VALUE)
; AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 ; 7th I
ine(STYPE=VALUE)
; CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 ; 8th I
ine(STYPE=VALUE)
; Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 ; 9th I
ine(STYPE=VALUE)
; OPT1, OPT2, [JOINT] ; 2nd I
ine(STYPE=PSC)
; ELAST, DEN, POIS, POIC, THERMAL ; 2nd I
ine(STYPE=PSC-CMPW)
; bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE ; 3rd I
ine(STYPE=PSC)
; bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] ; 3rd I
ine(STYPE=PSC-CMPW)
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] ; 4th I
ine(STYPE=PSC)
; [SIZE-A]-i ; 5th I
ine(STYPE=PSC)
; [SIZE-B]-i ; 6th I
ine(STYPE=PSC)
; [SIZE-C]-i ; 7th I
ine(STYPE=PSC)
; [SIZE-D]-i ; 8th I
ine(STYPE=PSC)
; [SIZE-A]-j ; 9th I
ine(STYPE=PSC)
; [SIZE-B]-j ; 10th I
ine(STYPE=PSC)
; [SIZE-C]-j ; 11th I
ine(STYPE=PSC)
; [SIZE-D]-j ; 12th I

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```
line(STYPE=PSC)
; GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S ; 2nd I
ine(STYPE=CMP-B/I)
; SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i ; 3rd I
ine(STYPE=CMP-B/I)
; SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j ; 4th I
ine(STYPE=CMP-B/I)
; N1, N2, Hr, Hr2, tr1, tr2 ; 5th I
ine(STYPE=CMP-B)
; GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j ; 2nd I
ine(STYPE=CMP-CI/CT)
; OPT1, OPT2, [JOINT] ; 3rd I
ine(STYPE=CMP-CI/CT)
; [SIZE-A]-i ; 4th I
ine(STYPE=CMP-CI/CT)
; [SIZE-B]-i ; 5th I
ine(STYPE=CMP-CI/CT)
; [SIZE-C]-i ; 6th I
ine(STYPE=CMP-CI/CT)
; [SIZE-D]-i ; 7th I
ine(STYPE=CMP-CI/CT)
; [SIZE-A]-j ; 8th I
ine(STYPE=CMP-CI/CT)
; [SIZE-B]-j ; 9th I
ine(STYPE=CMP-CI/CT)
; [SIZE-C]-j ; 10th
ine(STYPE=CMP-CI/CT)
; [SIZE-D]-j ; 11th
line(STYPE=CMP-CI/CT)
; iSEC, TYPE, SNAME, [OFFSET], bSD, STYPE1, STYPE2 ; 1st I
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 I
ine - COMPOSITE-SB
; Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 ; 2nd I
ine
; N1, N2, Hr, Hr2, tr1, tr2 ; 3rd I
ine
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 4th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st I
ine - COMPOSITE-SI
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```
; Hw, tw, B, tf1, B2, tf2 ; 2nd I
ine
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh ; 3rd I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st I
ine - COMPOSITE-CI/CT
; OPT1, OPT2, [JOINT] ; 2nd I
ine
; [SIZE-A] ; 3rd I
ine
; [SIZE-B] ; 4th I
ine
; [SIZE-C] ; 5th I
ine
; [SIZE-D] ; 6th I
ine
; SW, GN, CTC, Bc, Tc, Hh, EgDsb, DgdDsb, Pgd, Psb ; 7th I
ine
; iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE ; 1st I
ine - PSC
; OPT1, OPT2, [JOINT] ; 2nd I
ine
; bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE ; 3rd I
ine
; bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] ; 4th I
ine
; [SIZE-A] ; 5th I
ine
; [SIZE-B] ; 6th I
ine
; [SIZE-C] ; 7th I
ine
; [SIZE-D] ; 8th I
ine
; [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
; [DATA2] : CSHAPE 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)
```

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; [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
1, DBUSER, 기동, CC, 0, 0, 0, 0, 0, 0, YES, SR, 2, 3.3, 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, 3.3, 0, 0, 0, 0, 0, 0, 3, 3.3, 0, 0, 0, 0, 0, 0
3, DBUSER, 중앙부1, CC, 0, 0, 0, 0, 0, 0, YES, SB, 2, 3, 3.3, 0, 0
0, 0, 0, 0, 0, 0
4, DBUSER, 중앙부2, CC, 0, 0, 0, 0, 0, 0, YES, SB, 2, 3, 3.5, 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,
고정하중-상부, D,
활하중-상부, D,
풍하중-coping, W,
풍하중-기동, W,
풍하중-활하중, WL,
온도하중, WL,
풍하중-상부, W,

*DGN-CONC : Concrete Design Code

; CODE=CODE, RHOC, RHOR, RHOW, MRF, SHR-RATIO { , METHOD, A1, A2 }
; line 1
; [ACI318-89] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
; line 2
; [ACI318-95] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
; line 2
; [ACI318-99] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V

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; line 2
; [ACI318-02] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
; line 2
; [ACI318-05] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
; line 2
; [ACI318-08] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE; line 2
; [ACI318-11] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE; line 2
; [AIK-USD94] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V
; line 2
; [TWN-USD92] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, bTOR, TRFT, SCWB
; line 2
; [TWN-USD100] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, bTOR, TRFT, SCWB
; line 2
; [KCI-USD99] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
; line 2
; [KCI-USD03] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB
; line 2
; [KCI-USD07] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE; line 2
; [KCI-USD12] : bSPECIAL, PHI-B, PHI-T, PHIC1, PHI-C2, PHI-V, TLF, SLF, TSLCB, SPW
ALL, BNDR-MTHD, CD, IE, EXPOSURE; line 2
; [BS8110-97] : GAMMA-MC, GAMMA-MS, GAMMA-MV
; line 2
; [EUROCODE2] : GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, iSCODE
; line 2
; [EUROCODE2:04] : GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, ALPHACC, iSCODE,
; line 2
; bRULE, WEAK-FACT, iDUC, GAMMA-RD-B, GAMMA-RD-C, S-GRUP
; line 2
; FRAMETYPE, AUA1, SPLCK, SOILFACTOR, TB, TC, TD, AGR, I, DAMPINGRAT
BCJOINT, NTC2008, UF, GAMMA-RD-W, GAMMA-RD-J ; line 2
; STRUT-ANG, bBEHAVIOR-FACT, BEHAVIOR-FACT-VALUE, iNTC, bVCWALL, bVC
COLM, dPHIEF, bAUTOA, bAUTOC, A, B, C ; line 2
; [EUROCODE2-2:05]: GAMMA-CF, GAMMA-CA, GAMMA-SF, GAMMA-SA, GAMMA_CL, GAMMA_SL, ALPHAC
C, iSCODE, STRUT-ANG.; line 2
; [IS456:2000] : bSPECIAL, GAMMA-C, GAMMA-S, FOS, SubRex
; line 2
; [GB50010-02] : bSPECIAL, GAMMA-C, GAMMA-S, KIND, iSlabType
; line 2
; [GB50010-10] : bSPECIAL, GAMMA-C, GAMMA-S, KIND, iSlabType, bTOR, TRFT
; line 2
; [CSA-A23.3-94] : bSPECIAL, PHI-C, PHI-S, PHI-M
; line 2

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```
; [AIK-WSD2K]      : bSPECIAL
; line 2
; [AIJ-WSD99]      : bSPECIAL, KIND
; line 2
; [AASHTO-LRF012]  : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V, KIND
; line 2
; [AASHTO-LRF002]  : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V, KIND
; line 2
; [AASHTO-LFD96]   : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-USD05]     : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-USD96]     : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [KSCE-RAIL-USE04]: bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [TWN-BRG-LSD90]  : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V
; line 2
; [JTJ023-85]      : GAMMA-C, GAMMA-S, KIND
; line 2
; [CSA-S6-00]      : bSPECIAL, PHI-C, PHI-S, KIND
; line 2
; [IRC:21-2000]    : GAMMA-C, GAMMA-S
; line 2
; [SNIP 2.05.03-84*]: nBRIDGE, bmb7mb8, mb7mb8Type, mb7, mb8, bmb9, mb9Type, mb9
; line 2
; [SP 35.13330.2011]: nBRIDGE, bmb7mb8, mb7mb8Type, mb7, mb8, bmb9, mb9Type, mb9
; line 2
; Member Check    : bBEAM, bCOLM, bBRCE, bWALL, bSLAB, bMAT, bRBEAM, bRCOLM, bBRBCE, b
RWALL, bRSLAB, bRMAT, bSBEAM, bCANTIL, bUNDER-BM/COLM
CODE=KSCE-USD05, 0, 0, 0, 1, 0, , ,
NO, 0, 0, 0, 0, 0, 0
YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, YES, 0
```

```
*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
```

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```
; iNO, iNODE1, iNODE2, LINK, ANGLE, (UN)SYM, NUM, DIST1, FORCE1 ... DIST10, FORCE10, D
IR, bSHEAR, DREND1, GROUP ; MULTI LINEAR
1, 10, 13, RIGID, 0, NO, 0.5, 0.5,
2, 6, 12, RIGID, 0, NO, 0.5, 0.5,
```

```
*MEMBERTYPE      : Modify Member Type
; ELEM_LIST, TYPE, SUBTYPE
1 10to28, COLUMN, 0
```

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

```
*USE-STLD, 고정하중-상부
```

```
*CONLOAD          : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
12, 0, 0, -5636, 0, 0, 0,
13, 0, 0, -5636, 0, 0, 0,
```

```
; End of data for load case [고정하중-상부] -----
```

```
*USE-STLD, 활하중-상부
```

```
*CONLOAD          : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
12, 0, 0, -1480, 0, 0, 0,
13, 0, 0, -1480, 0, 0, 0,
```

```
; End of data for load case [활하중-상부] -----
```

```
*USE-STLD, 풍하중-coping
```

```
*CONLOAD          : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
7, -29.7, 0, 0, 0, 0, 0,
```

```
; End of data for load case [풍하중-coping] -----
```

```
*USE-STLD, 풍하중-기둥
```

```
*CONLOAD          : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
32, -94.05, 0, 0, 0, 0, 0,
```

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; End of data for load case [풍하중-기동] -----

*USE-STLD, 풍하중-활하중

*CONLOAD ; Nodal Loads

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
12, -67.5, 0, 0, 0, -651.92, 0,
13, -67.5, 0, 0, 0, -651.92, 0,

; End of data for load case [풍하중-활하중] -----

*USE-STLD, 온도하중

*CONLOAD ; Nodal Loads

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
12, 0, 105.8, 0, 0, 0, 0,
13, 0, 105.8, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-상부

*CONLOAD ; Nodal Loads

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
12, -383, 0, 0, 0, 0, 0,
13, -383, 0, 0, 0, 0, 0,

; End of data for load case [풍하중-상부] -----

*LOADCOMB ; Combinations

; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2

NAME=ULB01, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 2.15

NAME=ULB02, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 풍하중-coping, 1.3

ST, 풍하중-기동, 1.3, ST, 풍하중-상부, 1.3

NAME=ULB03, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3

ST, 풍하중-coping, 0.65, ST, 풍하중-기동, 0.65, ST, 풍하중-활하중, 0.65

ST, 풍하중-상부, 0.65

NAME=ULB04, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3

ST, 온도하중, -1.3

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NAME=ULB05, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 온도하중, 1.3

ST, 활하중-상부, 1.3

NAME=ULB06, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 풍하중-coping, 1.25

ST, 풍하중-기동, 1.25, ST, 풍하중-상부, 1.25, ST, 온도하중, -1.25

NAME=ULB07, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 풍하중-coping, 1.25

ST, 풍하중-기동, 1.25, ST, 풍하중-상부, 1.25, ST, 온도하중, 1.25

NAME=ULB08, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 활하중-상부, 1.25

ST, 풍하중-coping, 0.625, ST, 풍하중-기동, 0.625

ST, 풍하중-활하중, 0.625, ST, 온도하중, -1.25, ST, 풍하중-상부, 0.625

NAME=ULB09, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 활하중-상부, 1.25

ST, 풍하중-coping, 0.625, ST, 풍하중-기동, 0.625

ST, 풍하중-활하중, 0.625, ST, 온도하중, 1.25, ST, 풍하중-상부, 0.625

NAME=최대, GEN, ACTIVE, 0, 1, , 0, 0

CB, ULB01, 1, CB, ULB02, 1, CB, ULB03, 1, CB, ULB04, 1, CB, ULB05, 1

CB, ULB06, 1, CB, ULB07, 1, CB, ULB08, 1, CB, ULB09, 1

NAME=cLCB1, CONC, STRENGTH, 0, 0, 1.3D, 0, 0

ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 2.15

NAME=cLCB2, CONC, STRENGTH, 0, 0, 1.3D+1.3W[1], 0, 0

ST, 고정하중-상부, 1.3, ST, 자중, 1.3, ST, 풍하중-coping, 1.3

ST, 풍하중-기동, 1.3, ST, 풍하중-상부, 1.3

NAME=cLCB3, CONC, STRENGTH, 0, 0, 1.3D-1.3W[1], 0, 0

ST, 고정하중-상부, 1.3, ST, 자중, 1.3, ST, 활하중-상부, 1.3

ST, 풍하중-coping, 0.65, ST, 풍하중-기동, 0.65, ST, 풍하중-활하중, 0.65

ST, 풍하중-상부, 0.65

NAME=cLCB4, CONC, STRENGTH, 0, 0, 1.3D+1.3W[2], 0, 0

ST, 고정하중-상부, 1.3, ST, 자중, 1.3, ST, 활하중-상부, 1.3

ST, 온도하중, -1.3

NAME=cLCB5, CONC, STRENGTH, 0, 0, 1.3D-1.3W[2], 0, 0

ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3, ST, 자중, 1.3

ST, 온도하중, 1.3

NAME=cLCB6, CONC, STRENGTH, 0, 0, 1.3D+1.3W[3], 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 풍하중-coping, 1.25

ST, 풍하중-기동, 1.25, ST, 풍하중-상부, 1.25, ST, 온도하중, -1.25

NAME=cLCB7, CONC, STRENGTH, 0, 0, 1.3D-1.3W[3], 0, 0

ST, 고정하중-상부, 1.25, ST, 자중, 1.25, ST, 풍하중-coping, 1.25

ST, 풍하중-기동, 1.25, ST, 풍하중-상부, 1.25, ST, 온도하중, 1.25

NAME=cLCB8, CONC, STRENGTH, 0, 0, 1.3D+0.65W[1]+1.3WL, 0, 0

ST, 고정하중-상부, 1.25, ST, 자중, 1.25, ST, 활하중-상부, 1.25

ST, 풍하중-coping, 0.625, ST, 풍하중-기동, 0.625

ST, 풍하중-상부, 0.625, ST, 온도하중, -1.25, ST, 풍하중-활하중, 0.625

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NAME=cLCB9, CONC, STRENGTH, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 활하중-상부, 1.25

ST, 풍하중-coping, 0.625, ST, 풍하중-기둥, 0.625

ST, 풍하중-활하중, 0.625, ST, 풍하중-상부, 0.625, ST, 온도하중, 1.25

*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, 255, 0, 192, 0, 157, 192, 192, 192, 192

ST, 고정하중-상부, 192, 72, 0, 0, 128, 192, 148, 87, 255

ST, 활하중-상부, 85, 192, 0, 255, 255, 87, 255, 0, 192

ST, 풍하중-coping, 85, 192, 0, 192, 128, 0, 192, 128, 0

ST, 풍하중-기둥, 255, 255, 255, 255, 87, 128, 212, 160, 255

ST, 풍하중-활하중, 255, 0, 128, 0, 128, 192, 255, 255, 255

ST, 온도하중, 210, 210, 210, 255, 255, 87, 255, 0, 192

CB, ULB01, 192, 128, 0, 146, 0, 255, 192, 192, 0

CB, ULB02, 255, 0, 128, 255, 0, 128, 212, 160, 255

ST, 풍하중-상부, 255, 255, 87, 255, 87, 128, 255, 0, 128

CB, ULB03, 0, 192, 128, 192, 0, 192, 146, 0, 255

CB, ULB04, 255, 255, 255, 255, 255, 87, 255, 192, 160

CB, ULB05, 255, 0, 128, 0, 192, 192, 148, 87, 255

CB, ULB06, 146, 0, 255, 192, 0, 192, 255, 255, 255

CB, ULB07, 0, 192, 192, 210, 210, 210, 255, 160, 255

CB, ULB08, 85, 0, 192, 192, 72, 0, 255, 87, 128

CB, ULB09, 210, 210, 210, 255, 192, 87, 210, 210, 210

CBC, cLCB1, 192, 0, 192, 192, 192, 0, 0, 128, 57

CBC, cLCB2, 0, 128, 128, 192, 0, 192, 148, 87, 255

CBC, cLCB3, 0, 128, 128, 0, 128, 128, 85, 192, 0

CBC, cLCB4, 78, 0, 255, 192, 128, 0, 146, 0, 255

CBC, cLCB5, 85, 192, 0, 192, 192, 192, 0, 128, 57

CBC, cLCB6, 192, 0, 192, 192, 192, 192, 146, 0, 255

CBC, cLCB7, 0, 192, 128, 85, 192, 0, 160, 255, 255

CBC, cLCB8, 163, 160, 255, 212, 160, 255, 160, 255, 255

CBC, cLCB9, 255, 255, 255, 192, 192, 192, 192, 0, 192

CB, 최대, 163, 160, 255, 255, 255, 87, 146, 0, 255

*MEMBER ; Member

; iKEY, ELEM, bREVERSE, AELEM1, AELEM2, ...

1, 1, NO, 10, 11, 12, 13, 14, 15, 16, 17, 18, 28, 19, 20, 21, 22, 23, 24, W
25, 26, 27

*DGN-MATL ; Modify Steel(Concrete) Material

; iMAT, TYPE, MNAME, [DATA1] ; STEEL

; iMAT, TYPE, MNAME, [DATA2], [R-DATA], FC1, bSERV, SHORT, LONG ; CONC

; iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA] ; SRC

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; 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

, KS01-Civil(RC), SD300, SD300, , 16800, NO, 0, 0, , ,

, 0, NO, 1, , , 0, 0, 0

*LCOM-RCCOL ; Load Combination for RC Column

; STRE=ST_LCNAME1, ST_LCNAME2, ST_LCNAME3, ...

; SERV=SE_LCNAME1, SE_LCNAME2, SE_LCNAME3, ...

; GRUP=CG_LCNAME1, CG_LCNAME2, CG_LCNAME3, ...

STRE=cLCB9, cLCB8, cLCB7, cLCB6, cLCB5, cLCB4, cLCB3, cLCB2, cLCB1

*DPAR-RCCOL ; Design Parameter for RC Column

; EL_LIST, iXDirBd, iYDirBd, bPosi, bPosj, bPosm, bAutoEq ; 1st l

ine

; bAutoDeltans, bAutoDeltas, bShChk, bAutoBd, Rhomax, Cmy, Cmz, ; 2nd l

ine

; Dc, Deltansy, Deltansz, Deltasy, Deltasz, Remark ; 3rd l

ine

; bCTC, CTC, bBd_NS, Bd_nsy, Bd_nsz, bBd_S, Bd_sy, Bd_ssz, bRS, Ry, Rz ; 4th l

ine

1, 0, 0, YES, NO, NO, YES

YES, YES, YES, YES, 0.08, 1, 1

0.1, 1, 1, 1, 1,

NO, 0, NO, 0, 0, NO, 0, 0, NO, 0, 0

*CPAR-RCCOL ;Checking Parameter for RC Column

; ELEM = ELEM, REMARK ; line 1

; POSITION1 = DC1, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 2(layer1)

; ... ;

; DC5, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 6(layer5)

; SBNUM, SBDIST, SBSIZE ; line 7

; POSITIONNM = DC1, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 8(layer1)

; ... ;

; DC5, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 12(layer5)

; SBNUM, SBDIST, SBSIZE ; line 13

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```
; POSITIONJ = DC1, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 14(layer1)
;
; ... ;
; DC5, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 18(layer5)
; SBNUM, SBDIST, SBSIZE ; line 19
; [COLM] : NUM, S1, S2
ELEM = 1,
POSITIONI = 0.1, 73, D32, , 0, , , 0, ,
POSITIONI = 0.2, 61, D29, , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONM = 0, 0, , , 0, , , 0, ,
POSITIONM = 0, 0, , , 0, , , 0, ,
POSITIONM = 0, 0, , , 0, , , 0, ,
POSITIONM = 0, 0, , , 0, , , 0, ,
POSITIONM = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONJ = 0, 0, , , 0, , , 0, ,
POSITIONJ = 0, 0, , , 0, , , 0, ,
POSITIONJ = 0, 0, , , 0, , , 0, ,
POSITIONJ = 0, 0, , , 0, , , 0, ,
POSITIONJ = 0, 0, , , 0, , , 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
; ..... ;
```

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

*SECTION MANAGER-STIFFENER ; Section Manager - Stiffener
; SECT = NO, bSAMEJ ; lin
e 1
; STFNSIZE, STFNJSIZE ; lin
e 2
; ..... ;
;
; LOOP UTIL (STFNSIZE, 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
```