

PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	용계2교 하부구조(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, 10.58
3, 6.4, 0, 0
4, 6.4, 0, 10.58
5, 0, 0, 11.58
6, 6.4, 0, 11.78
7, 6.7, 0, 11.78
8, 7.5, 0, 11.78
9, 8.65, 0, 11.78
10, -0.3, 0, 11.58
11, -1.1, 0, 11.58
12, -2.25, 0, 11.58
13, 3.2, 0, 11.68
14, 0, 0, 1.058
15, 0, 0, 2.116
16, 0, 0, 3.174
17, 0, 0, 4.232
18, 0, 0, 5.29
19, 0, 0, 6.348
20, 0, 0, 7.406
21, 0, 0, 8.464
22, 0, 0, 9.522
23, 6.4, 0, 1.058

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24, 6.4, 0, 2.116
25, 6.4, 0, 3.174
26, 6.4, 0, 4.232
27, 6.4, 0, 5.29
28, 6.4, 0, 6.348
29, 6.4, 0, 7.406
30, 6.4, 0, 8.464
31, 6.4, 0, 9.522
32, 5.33333333333333, 0, 11.7466666666667
33, 4.26666666666667, 0, 11.7133333333333
34, 1.06666666666667, 0, 11.6133333333333
35, 2.13333333333333, 0, 11.6466666666667
36, -0.3, 0, 12.58
37, 6.7, 0, 12.98
38, 0, 0, -0.575
39, 6.4, 0, -0.575
40, 0, 0, 5.002
41, 6.4, 0, 5.002

*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, 1, 3, 23, 0, 0
3, BEAM , 1, 2, 12, 11, 0, 0
4, BEAM , 1, 3, 9, 8, 0, 0
6, BEAM , 1, 5, 8, 7, 0, 0
7, BEAM , 1, 5, 7, 6, 0, 0
8, BEAM , 1, 5, 6, 32, 0, 0
9, BEAM , 1, 4, 11, 10, 0, 0
10, BEAM , 1, 4, 10, 5, 0, 0
11, BEAM , 1, 4, 5, 34, 0, 0
12, BEAM , 1, 1, 14, 15, 0, 0
13, BEAM , 1, 1, 15, 16, 0, 0
14, BEAM , 1, 1, 16, 17, 0, 0
15, BEAM , 1, 1, 17, 40, 0, 0
16, BEAM , 1, 1, 18, 19, 0, 0
17, BEAM , 1, 1, 19, 20, 0, 0
18, BEAM , 1, 1, 20, 21, 0, 0
19, BEAM , 1, 1, 21, 22, 0, 0
20, BEAM , 1, 1, 22, 2, 0, 0

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21, BEAM , 1, 1, 23, 24, 0, 0
22, BEAM , 1, 1, 24, 25, 0, 0
23, BEAM , 1, 1, 25, 26, 0, 0
24, BEAM , 1, 1, 26, 41, 0, 0
25, BEAM , 1, 1, 27, 28, 0, 0
26, BEAM , 1, 1, 28, 29, 0, 0
27, BEAM , 1, 1, 29, 30, 0, 0
28, BEAM , 1, 1, 30, 31, 0, 0
29, BEAM , 1, 1, 31, 4, 0, 0
30, BEAM , 1, 5, 32, 33, 0, 0
31, BEAM , 1, 5, 33, 13, 0, 0
32, BEAM , 1, 4, 34, 35, 0, 0
33, BEAM , 1, 4, 35, 13, 0, 0
34, BEAM , 1, 1, 38, 1, 0, 0
35, BEAM , 1, 1, 39, 3, 0, 0
36, BEAM , 1, 1, 40, 18, 0, 0
37, BEAM , 1, 1, 41, 27, 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

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*MATL-COLOR

```

: iMAT, W_R, W_G, W_B, HF_R, HF_G, HF_B, HE_R, HE_G, HE_B, bBLEND, FACT
1, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

```

*SECTION : Section

```

: iSEC, TYPE, SNAME, [OFFSET], bSD, 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

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: 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
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

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```
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)
```

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```
; 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
; 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
```

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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, HUSER, iVERT, VUSER, 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, 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, 2.2, 0, 0, 0
, 0, 0, 0, 0, 0, 0
2, TAPERED , coping(좌) , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
1.5, 2.5, 0, 0, 0, 0, 0, 0, 2, 2.5, 0, 0, 0, 0, 0, 0
3, TAPERED , coping(우) , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
1.9, 2.5, 0, 0, 0, 0, 0, 0, 2.4, 2.5, 0, 0, 0, 0, 0, 0
4, DBUSER , 중앙부(좌) , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0
, 0, 0, 0, 0, 0, 0
5, DBUSER , 중앙부(우) , CC, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2.4, 2.5, 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
5, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, [DATA1], [DATA2] ; 1st l

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ine - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, SHAPE, BLT, D1, ..., D8, ICEL ; 1st l
ine - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz ; 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, lxx1, lyy1, lzz1 ; 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, lxx2, lyy2, lzz2 ; 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)

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```
;      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)
;      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, EgdEsb, 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
```

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```
line(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
;      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, EgdEsb, 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
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PROJECT TITLE :

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; [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, HUSER1, HUSERJ, iVERT, VUSER1, 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, 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, 2.2, 0, 0, 0, 0, 0, 0, 0, 0
2, TAPERED , coping(좌) , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R 1.5, 2.5, 0, 0, 0, 0, 0, 0, 2, 2.5, 0, 0, 0, 0, 0, 0
3, TAPERED , coping(우) , CC, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R 1.9, 2.5, 0, 0, 0, 0, 0, 0, 2.4, 2.5, 0, 0, 0, 0, 0, 0
4, DBUSER , 중앙부(좌) , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2, 2.5, 0, 0, 0, 0, 0, 0, 0
5, DBUSER , 중앙부(우) , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 2.4, 2.5, 0, 0, 0, 0, 0, 0, 0

*STLDCASE : Static Load Cases
; LCNAME, LCTYPE, DESC

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자중 , D ,
고정하중-상부, D ,
활하중-상부, L ,
풍하중-상부, W ,
풍하중-코핑, W ,
풍하중-기동, W ,
풍하중-활하중, WL,
온도하중, T ,
지점침하, STL,

*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
; 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

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; 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
; [AIK-WSD2K] : bSPECIAL
; line 2
; [AIJ-WSD99] : bSPECIAL, KIND
; line 2
; [AASHTO-LRFD12] : bSPECIAL, PHI-B, PHI-T, PHI-C1, PHI-C2, PHI-V, KIND
; line 2
; [AASHTO-LRFD02] : 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
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; [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, YES, 0

*CONSTRAINT : Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
38 39, 111111,

*ELASTICLINK
; iNO, 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, 10, 36, RIGID, 0, NO, 0.5, 0.5,
2, 7, 37, RIGID, 0, NO, 0.5, 0.5,

*MEMBERTYPE : Modify Member Type
; ELEM_LIST, TYPE, SUBTYPE
1 2 12to29 34to37, COLUMN, 0

*RIGIDLINK : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
5, 111111, 2,
6, 111111, 4,

*USE-STLD, 자중

; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,

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

*USE-STLD, 고정하중-상부

*CONLOAD : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
36, 0, 0, -4973.48, 0, 0, 0,
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	Author	Microsoft	File Name	용계2교 하부구조(부산)

37, 0, 0, -4973.48, 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
36, 0, 0, -1808.78, 0, 0, 0,
37, 0, 0, -1808.78, 0, 0, 0,

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

*USE-STLD, 풍하중-상부

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
36, -477.457, 0, 0, 0, 0, 0,
37, -477.457, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-코핑

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
9, -15, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-기둥

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
40, -73.623, 0, 0, 0, 0, 0,
41, -73.623, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중-활하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
36, -87.5, 0, 0, 0, -425.59, 0,
37, -87.5, 0, 0, 0, -425.59, 0,

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	Author	Microsoft	File Name	용계2교 하부구조(부산)

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

*USE-STLD, 온도하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
36, 0, 145.35, 0, 0, 0, 0,
37, 0, 145.35, 0, 0, 0, 0,

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

*USE-STLD, 지점침하

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
36, 0, 0, -101.218, 0, 0, 0,
37, 0, 0, -101.218, 0, 0, 0,

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

*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2
NAME=LC1, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 2.15
NAME=LC2, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 풍하중-상부, 1.3
ST, 풍하중-코핑, 1.3, ST, 풍하중-기둥, 1.3
NAME=LC3, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3
ST, 풍하중-상부, 0.65, ST, 풍하중-코핑, 0.65, ST, 풍하중-기둥, 0.65
ST, 풍하중-활하중, 0.65
NAME=LC4, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3
ST, 온도하중, -1.3, ST, 지점침하, -1.3
NAME=LC5, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.3, ST, 고정하중-상부, 1.3, ST, 활하중-상부, 1.3
ST, 온도하중, 1.3, ST, 지점침하, 1.3
NAME=LC6, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 풍하중-상부, 1.25
ST, 풍하중-코핑, 1.25, ST, 풍하중-기둥, 1.25, ST, 온도하중, -1.25
ST, 지점침하, -1.25
NAME=LC7, CONC, STRENGTH, 0, 0, , 0, 0

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ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 풍하중-상부, 1.25
ST, 풍하중-코핑, 1.25, ST, 풍하중-기둥, 1.25, ST, 온도하중, 1.25
ST, 지점침하, 1.25
NAME=LC8, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 활하중-상부, 1.25
ST, 풍하중-상부, 0.625, ST, 풍하중-코핑, 0.625, ST, 풍하중-기둥, 0.625
ST, 풍하중-활하중, 0.625, ST, 온도하중, -1.25, ST, 지점침하, -1.25
NAME=LC9, CONC, STRENGTH, 0, 0, , 0, 0
ST, 자중, 1.25, ST, 고정하중-상부, 1.25, ST, 활하중-상부, 1.25
ST, 풍하중-상부, 0.625, ST, 풍하중-코핑, 0.625, ST, 풍하중-기둥, 0.625
ST, 온도하중, 1.25, ST, 지점침하, 1.25, ST, 풍하중-활하중, 0.625
NAME=최대, CONC, STRENGTH, 0, 1, , 0, 0
CBC, LC1, 1, CBC, LC2, 1, CBC, LC3, 1, CBC, LC4, 1, CBC, LC5, 1
CBC, LC6, 1, CBC, LC7, 1, CBC, LC8, 1, CBC, LC9, 1

*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, 128, 0, 255, 192, 160, 160, 192, 255
ST, 고정하중-상부, 210, 210, 210, 0, 128, 128, 255, 160, 255
ST, 활하중-상부, 212, 160, 255, 255, 192, 160, 210, 210, 210
ST, 풍하중-상부, 160, 192, 255, 128, 192, 0, 255, 255, 87
ST, 풍하중-코핑, 0, 157, 192, 255, 192, 160, 255, 0, 128
ST, 풍하중-기둥, 160, 192, 255, 85, 192, 0, 255, 87, 128
ST, 풍하중-활하중, 78, 0, 255, 0, 157, 192, 0, 192, 192
ST, 온도하중, 0, 128, 192, 192, 72, 0, 0, 128, 255
ST, 지점침하, 78, 0, 255, 160, 192, 255, 148, 87, 255
CBC, LC1, 78, 0, 255, 192, 192, 0, 146, 0, 255
CBC, LC2, 146, 0, 255, 85, 192, 0, 255, 160, 255
CBC, LC3, 255, 128, 0, 255, 87, 87, 85, 192, 0
CBC, LC4, 255, 255, 255, 255, 128, 0, 0, 192, 128
CBC, LC5, 85, 192, 0, 192, 128, 0, 0, 128, 57
CBC, LC6, 255, 255, 255, 128, 192, 0, 146, 0, 255
CBC, LC7, 192, 128, 0, 255, 192, 160, 255, 192, 160
CBC, LC8, 255, 192, 160, 210, 210, 210, 192, 192, 0
CBC, LC9, 146, 0, 255, 255, 87, 128, 146, 0, 255
CBC, 최대, 160, 192, 255, 128, 192, 0, 255, 192, 160

*MEMBER : Member
: iKEY, ELEM, bREVERSE, AELEM1, AELEM2, ...
1, 34, NO, 1, 12, 13, 14, 15, 36, 16, 17, 18, 19, 20
2, 35, NO, 2, 21, 22, 23, 24, 37, 25, 26, 27, 28, 29

*DGN-MATL : Modify Steel(Concrete) Material
: iMAT, TYPE, MNAME, [DATA1] : STEEL

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: iMAT, TYPE, MNAME, [DATA2], [R-DATA], FC1, 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
, 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=LC9, LC8, LC7, LC6, LC5, LC4, LC3, LC2, LC1

*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_sz, bRS, Ry, Rz : 4th l
ine
34, 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
35, 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)
: ... : ...

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	Author	Microsoft	File Name	용계2교 하부구조(부산)

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;          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
; POSITIONNJ = 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 = 34,
POSITIONI = 0.1, 51, D25, , 0, , , 0, ,
POSITIONI = 0.2, 46, D25, , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONNJ = 0, 0, , , 0, , , 0, ,
POSITIONNJ = 0, 0, , , 0, , , 0, ,
POSITIONNJ = 0, 0, , , 0, , , 0, ,
POSITIONNJ = 0, 0, , , 0, , , 0, ,
0, 0,
ELEM = 35,
POSITIONI = 0.1, 51, D25, , 0, , , 0, ,
POSITIONI = 0.2, 46, D25, , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
POSITIONI = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
POSITIONNM = 0, 0, , , 0, , , 0, ,
0, 0,
POSITIONNJ = 0, 0, , , 0, , , 0, ,
POSITIONNJ = 0, 0, , , 0, , , 0, ,

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```

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
; .....                                                ;

      SECT=2, YES
0, 0, 0, 0
      SECT=3, 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

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PROJECT TITLE :

	Company		Client	
	Author	Microsoft	File Name	용계2교 하부구조(부산)

e n
;

SECT=2, YES
0, 0
SECT=3, YES
0, 0

*ENDDATA