

PROJECT TITLE :

	Company		Client	
	Author		File Name	청도천4교_하부구조(부산방향)

: 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
10, 0, 0, 8.695
11, 0, 0, 10.195
12, -1.75, 0, 10.195
13, -2.3, 0, 10.195
14, -3.35, 0, 10.195
15, 1.75, 0, 10.195
16, 2.3, 0, 10.195
17, 3.35, 0, 10.195
18, -2.3, 0, 11.695
19, 2.3, 0, 11.695
21, 1.4, 0, 10.195
22, -1.4, 0, 10.195
24, 0, 0, -0.187
25, 0, 0, 4.263
26, 0, 0, 2.483
27, 0, 0, 5.371
28, 0, 0, 6.479
29, 0, 0, 7.587
30, 0, 0, 3.07633333333333
31, 0, 0, 3.66966666666667
32, 0, 0, 0.4805
33, 0, 0, 1.148
34, 0, 0, 1.8155

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*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
)

12, BEAM	,	1,	2,	12,	22,	0,	0
13, BEAM	,	1,	1,	16,	15,	0,	0
14, BEAM	,	1,	1,	17,	16,	0,	0
15, BEAM	,	1,	1,	13,	12,	0,	0
16, BEAM	,	1,	2,	11,	21,	0,	0
17, BEAM	,	1,	2,	21,	15,	0,	0
18, BEAM	,	1,	2,	22,	11,	0,	0
19, BEAM	,	1,	1,	14,	13,	0,	0
20, BEAM	,	1,	3,	24,	32,	0,	0
21, BEAM	,	1,	3,	25,	27,	0,	0
22, BEAM	,	1,	3,	26,	30,	0,	0
23, BEAM	,	1,	3,	27,	28,	0,	0
24, BEAM	,	1,	3,	28,	29,	0,	0
25, BEAM	,	1,	3,	29,	10,	0,	0
26, BEAM	,	1,	3,	30,	31,	0,	0
27, BEAM	,	1,	3,	31,	25,	0,	0
28, BEAM	,	1,	3,	32,	33,	0,	0
29, BEAM	,	1,	3,	33,	34,	0,	0
30, BEAM	,	1,	3,	34,	26,	0,	0

*GROUP ; Group
: NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
column , 10, , 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
: 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

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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
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)

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; [SIZE-D]-i ; 7th l
ine(STYPE=COMP-CI/CT)
; [SIZE-A]-j ; 8th l
ine(STYPE=COMP-CI/CT)
; [SIZE-B]-j ; 9th l
ine(STYPE=COMP-CI/CT)
; [SIZE-C]-j ; 10th
line(STYPE=COMP-CI/CT)
; [SIZE-D]-j ; 11th
line(STYPE=COMP-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

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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, 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, 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, TAPERED , 내민보 , CC, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
1.5, 2.5, 0, 0, 0, 0, 0, 0, 3, 2.5, 0, 0, 0, 0, 0, 0
2, DBUSER , 상단 중앙 , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3, 2.7489, 0
, 0, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, 0, YES, SR , 2, 3.5, 0, 0, 0
, 0, 0, 0, 0, 0, 0, 0

*SECT-COLOR

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; 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 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
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

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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)
; 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)

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; [SIZE-D]-i ; 7th l
ine(STYPE=COMP-CI/CT)
; [SIZE-A]-j ; 8th l
ine(STYPE=COMP-CI/CT)
; [SIZE-B]-j ; 9th l
ine(STYPE=COMP-CI/CT)
; [SIZE-C]-j ; 10th
line(STYPE=COMP-CI/CT)
; [SIZE-D]-j ; 11th
line(STYPE=COMP-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

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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, 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(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, 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, TAPERED , 내민보 , CC, 0, 0, 0, 0, 0, 0, 0, 0, 0, YES, SB , 1, 1, USE
R
1.5, 2.5, 0, 0, 0, 0, 0, 0, 3, 2.5, 0, 0, 0, 0, 0, 0
2, DBUSER , 상단 중앙 , CC, 0, 0, 0, 0, 0, 0, 0, YES, SB , 2, 3, 2.7489, 0
, 0, 0, 0, 0, 0, 0, 0
3, DBUSER , 기둥 , CC, 0, 0, 0, 0, 0, 0, 0, YES, SR , 2, 3.5, 0, 0, 0
, 0, 0, 0, 0, 0, 0

```

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*TS-GROUP : Tapered Section Group
 ; NAME, ELEM_LIST, ZVAR, ZEXP, ZFROM, ZDIST, YVAR, YEXP, YFROM, YDIST, iSCM
 왼쪽, 15 19, LINEAR, , , , LINEAR, , , , 0
 오른쪽, 13 14, LINEAR, , , , LINEAR, , , , 0

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

자중, D,
 활하중, L,
 풍하중 교축, W,
 부등침하, STL,
 상부구조 고정하중, D,
 풍하중 교축 직각, W,
 풍하중 coping, W,
 유수압, FP,
 유목하중, CO,
 풍하중(교축직)-재하, W,
 풍하중 coping-재하, W,
 풍하중 column-유비고, W,
 풍하중 column-유비고, W,
 풍하중 column-유고려, W,
 풍하중 column-유고려, W,
 풍하중 교축(재하), 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
 ; 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

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; 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
 ; [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

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; [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-LS090]  : 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, bBRCE, b
; bWALL, bRSLAB, bRMAT, bSBEAM, bCANTIL, bUNDER-BM/COLM
; CODE=KSCE-USD05, 0, 0, 0, 1, 0, , ,
; NO, 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
; 24, 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, DREND1, GROUP ; MULTI LINEAR
; 1, 18, 13, RIGID, 0, NO, 0.5, 0.5,
; 2, 19, 16, RIGID, 0, NO, 0.5, 0.5,

```

```

*SECTDATA-CHK      : Beam/Column Section Data for Design
; iSEC, TYPE, ENVTPE ; line 1
; [BEAM-T]-I, [BEAM-T]-M, [BEAM-T]-J ; line 2(layer1)
; ... ; ...
; [BEAM-T]-I, [BEAM-T]-M, [BEAM-T]-J ; line 11(layer10)
; [BEAM-B]-I, [BEAM-B]-M, [BEAM-B]-J ; line 12(layer1)
; ... ; ...

```

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; [BEAM-B]-I, [BEAM-B]-M, [BEAM-B]-J ; line 21(layer10)
; [SUB-BAR]-I, [SUB-BAR]-M, [SUB-BAR]-J ; line 22
; Dc1, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 2(layer1)
; ... ; ...
; Dc5, [COLM]-P1, [COLM]-P2, [COLM]-P3 ; line 6(layer5)
; SBSIZE, SBSPACE, SBNUM, SBSIZE(y), SBSIZE(z), SBNUM(y), SBNUM(z) ; line 7
; [BEAM-T] : Dt, NUM, S1, S2
; [BEAM-B] : Db, NUM, S1, S2
; [SUB-BAR] : NUM, S, DIST, ANGLE, bTBAR, TBAR, TBAR_S, BUNDLE, BUNDEL_N, LBAR, LBAR_N
; bBUBAR, BUBAR, BUBAR_N, BUBAR_ANGLE
; [COLM] : NUM, S1, S2
; 3, COLM, DRY
; 0.1, 104, D25, , 0, , , 0, ,
; 0.2, 98, D25, , 0, , , 0, ,
; 0, 0, , , 0, , , 0, ,
; 0, 0, , , 0, , , 0, ,
; 0, 0, , , 0, , , 0, ,
; 0, 2, , , 2, 2

```

```

*MEMBERTYPE      : Modify Member Type
; ELEM_LIST, TYPE, SUBTYPE
; 20to30, COLUMN, 0

```

```

*RIGIDLINK        : Rigid Link
; M-NODE, DOF, S-NODE LIST, GROUP
; 11, 111111, 10,

```

```

*USE-STLD, 자중

```

```

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

```

```

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

```

```

*USE-STLD, 활하중

```

```

*CONLOAD          : Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
; 18, 0, 0, -1453.72, 0, 0, 0,
; 19, 0, 0, -1453.72, 0, 0, 0,

```

```

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

```

```

*USE-STLD, 풍하중 교축

```

PROJECT TITLE :

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	Author		File Name	청도천4교_하부구조(부산방향)

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
18, 0, 335.1, 0, 0, 0, 0,
19, 0, 335.1, 0, 0, 0, 0,

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

*USE-STLD, 상부구조 고정하중

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
18, 0, 0, -6434.6, 0, 0, 0,
19, 0, 0, -6434.6, 0, 0, 0,

; End of data for load case [상부구조 고정하중] -----

*USE-STLD, 풍하중 교축 직각

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
18, -360.9, 0, 0, 0, 0, 0,
19, -360.9, 0, 0, 0, 0, 0,

; End of data for load case [풍하중 교축 직각] -----

*USE-STLD, 풍하중 coping

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
17, -22.5, 0, 0, 0, 0, 0,

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

*USE-STLD, 유수압

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
26, -2.67, 0, 0, 0, 0, 0,

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

*USE-STLD, 유목하중

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

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25, -30.3, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중 (교축직)-재하

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
18, -180.45, 0, 0, 0, 0, 0,
19, -180.45, 0, 0, 0, 0, 0,

; End of data for load case [풍하중 (교축직)-재하] -----

*USE-STLD, 풍하중 coping-재하

*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
17, -11.25, 0, 0, 0, 0, 0,

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

*USE-STLD, 풍하중 column-유비고

*BEAMLOAD ; Element Beam Loads
; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE] : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN] : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
20, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
21, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
22, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
23, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
24, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
25, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
26, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
27, BEAM , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,

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      28, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
      29, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,
      30, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.625, 1, -2.625, 0, 0, 0, 0
, , NO, 0, 0, NO,

```

; End of data for load case [풍하중 column-유비고] -----

*USE-STLD, 풍하중 column-유비고

*BEAMLOAD ; Element Beam Loads

```

; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
      20, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      21, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      22, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      23, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      24, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      25, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      26, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      27, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      28, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      29, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,
      30, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.25, 1, -5.25, 0, 0, 0, 0,
, NO, 0, 0, NO,

```

; End of data for load case [풍하중 column-유비고] -----

*USE-STLD, 풍하중 column-유고려

*BEAMLOAD ; Element Beam Loads

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; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
      21, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.665, 1, -2.665, 0, 0, 0, 0,
, NO, 0, 0, NO,
      23, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.665, 1, -2.665, 0, 0, 0, 0,
, NO, 0, 0, NO,
      24, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.665, 1, -2.665, 0, 0, 0, 0,
, NO, 0, 0, NO,
      25, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -2.665, 1, -2.665, 0, 0, 0, 0,
, NO, 0, 0, NO,

```

; End of data for load case [풍하중 column-유고려] -----

*USE-STLD, 풍하중 column-유고려

*BEAMLOAD ; Element Beam Loads

```

; ELEM_LIST, CMD, TYPE, DIR, bPROJ, [ECCEN], [VALUE], GROUP
; ELEM_LIST, CMD, TYPE, TYPE, DIR, VX, VY, VZ, bPROJ, [ECCEN], [VALUE], GROUP
; [VALUE]      : D1, P1, D2, P2, D3, P3, D4, P4
; [ECCEN]      : bECCEN, ECCDIR, I-END, J-END, bJ-END
; [ADDITIONAL] : bADDITIONAL, ADDITIONAL_I-END, ADDITIONAL_J-END, bADDITIONAL_J-END
      21, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.33, 1, -5.33, 0, 0, 0, 0,
, NO, 0, 0, NO,
      23, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.33, 1, -5.33, 0, 0, 0, 0,
, NO, 0, 0, NO,
      24, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.33, 1, -5.33, 0, 0, 0, 0,
, NO, 0, 0, NO,
      25, BEAM   , UNILoad, GX, NO , NO, aDir[1], , , , 0, -5.33, 1, -5.33, 0, 0, 0, 0,
, NO, 0, 0, NO,

```

; End of data for load case [풍하중 column-유고려] -----

*USE-STLD, 풍하중 교축(재하)

*CONLOAD ; Nodal Loads

```

; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
      18, 0, 167.55, 0, 0, 0, 0,
      19, 0, 167.55, 0, 0, 0, 0,

```

; End of data for load case [풍하중 교축(재하)] -----

PROJECT TITLE :

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	Author		File Name	청도천4교_하부구조(부산방향)

*LOADCOMB : Combinations

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

NAME=코핑검토, GEN, ACTIVE, 0, 0, , 0, 0

ST, 자중, 1.3, ST, 상부구조 고정하중, 1.3, ST, 활하중, 2.15

NAME=cLCB1, CONC, STRENGTH, 0, 0, 1.3D+2.15L+1.3Q, 0, 0

ST, 자중, 1.3, ST, 활하중, 2.15, ST, 상부구조 고정하중, 1.3

ST, 유수압, 1.3, ST, 유목하중, 1.3

NAME=cLCB2, CONC, STRENGTH, 0, 0, 1.3D+1.3W(교직)+1.3Q, 0, 0

ST, 자중, 1.3, ST, 상부구조 고정하중, 1.3, ST, 풍하중 교축 직각, 1.3

ST, 유수압, 1.3, ST, 유목하중, 1.3, ST, 풍하중 coping, 1.3

ST, 풍하중 column-유고려, 1.3

NAME=cLCB3, CONC, STRENGTH, 0, 0, 1.3D+1.3L+0.65WL+1.3Q, 0, 0

ST, 자중, 1.3, ST, 상부구조 고정하중, 1.3, ST, 활하중, 1.3

ST, 풍하중(교축직)-재하, 0.65, ST, 풍하중 coping-재하, 0.65

ST, 유수압, 1.3, ST, 유목하중, 1.3, ST, 풍하중 column-유고려, 0.65

NAME=cLCB4, CONC, STRENGTH, 0, 0, 1.3D+1.3L+1.3Q-1.3Q, 0, 0

ST, 자중, 1.3, ST, 상부구조 고정하중, 1.3, ST, 활하중, 1.3

ST, 유수압, 1.3, ST, 유목하중, 1.3

NAME=cLCB5, CONC, STRENGTH, 0, 0, 1.3D+1.3L+1.3Q-1.3Q, 0, 0

ST, 자중, 1.3, ST, 상부구조 고정하중, 1.3, ST, 활하중, 1.3

ST, 유수압, 1.3, ST, 유목하중, 1.3

NAME=cLCB6, CONC, STRENGTH, 0, 0, 1.25D+1.25W+1.25Q, 0, 0

ST, 자중, 1.25, ST, 상부구조 고정하중, 1.25, ST, 풍하중 교축 직각, 1.25

ST, 풍하중 coping, 1.25, ST, 풍하중 column-유고려, 1.25

ST, 유수압, 1.25, ST, 유목하중, 1.25

NAME=cLCB7, CONC, STRENGTH, 0, 0, 1.25D+1.25W+1.25Q, 0, 0

ST, 자중, 1.25, ST, 상부구조 고정하중, 1.25, ST, 풍하중 교축 직각, 1.25

ST, 풍하중 coping, 1.25, ST, 풍하중 column-유고려, 1.25

ST, 유수압, 1.25, ST, 유목하중, 1.25

NAME=cLCB8, CONC, STRENGTH, 0, 0, , 0, 0

ST, 자중, 1.25, ST, 상부구조 고정하중, 1.25, ST, 활하중, 1.25

ST, 풍하중(교축직)-재하, 0.625, ST, 풍하중 coping-재하, 0.625

ST, 풍하중 column-유고려, 0.625, ST, 유수압, 1.25, ST, 유목하중, 1.25

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

ST, 자중, 1.25, ST, 상부구조 고정하중, 1.25, ST, 활하중, 1.25

ST, 풍하중(교축직)-재하, 0.625, ST, 풍하중 coping-재하, 0.625

ST, 풍하중 column-유고려, 0.625, ST, 유수압, 1.25, ST, 유목하중, 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, 0, 128, 255, 192, 0, 192, 192, 128, 0

CBC, cLCB1, 255, 0, 192, 0, 192, 128, 93, 255, 87

CBC, cLCB3, 212, 160, 255, 160, 192, 255, 192, 72, 0

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	Author		File Name	청도천4교_하부구조(부산방향)

ST, 활하중, 0, 128, 128, 0, 128, 128, 163, 255, 160

ST, 풍하중 교축, 210, 210, 210, 0, 128, 192, 78, 0, 255

ST, 풍하중 교축 직각, 85, 0, 192, 255, 0, 192, 0, 192, 128

ST, 부등침하, 163, 255, 160, 212, 160, 255, 160, 255, 255

ST, 상부구조 고정하중, 0, 128, 192, 255, 87, 128, 255, 87, 128

ST, 풍하중 coping-재하, 0, 128, 128, 160, 255, 255, 0, 192, 128

CBC, cLCB2, 85, 192, 0, 163, 255, 160, 255, 160, 255

ST, 풍하중 coping, 255, 255, 255, 192, 72, 0, 148, 87, 255

ST, 풍하중 column-유비고, 192, 192, 192, 0, 157, 192, 192, 0, 192

ST, 풍하중 column-유고려, 85, 0, 192, 163, 255, 160, 0, 128, 192

ST, 유수압, 93, 255, 87, 0, 128, 255, 255, 87, 128

ST, 유목하중, 85, 192, 0, 255, 87, 87, 85, 192, 0

ST, 풍하중(교축직)-재하, 0, 128, 192, 0, 157, 192, 85, 0, 192

ST, 풍하중 column-유비고, 0, 128, 128, 160, 255, 255, 160, 192, 255

ST, 풍하중 column-유고려, 212, 160, 255, 85, 192, 0, 212, 160, 255

CBC, cLCB4, 255, 255, 255, 255, 128, 0, 0, 192, 128

CBC, cLCB6, 0, 128, 128, 163, 160, 255, 0, 128, 255

CBC, cLCB8, 210, 210, 210, 255, 255, 87, 93, 255, 87

CB, 코핑검토, 192, 192, 192, 163, 160, 255, 192, 192, 192

CBC, cLCB5, 192, 0, 192, 0, 128, 255, 160, 192, 255

CBC, cLCB7, 0, 157, 192, 255, 87, 128, 148, 87, 255

CBC, cLCB9, 255, 255, 87, 192, 192, 192, 255, 160, 255

ST, 풍하중 교축(재하), 210, 210, 210, 255, 128, 0, 210, 210, 210

*MEMBER : Member

; iKEY, ELEM, bREVERSE, AELEM1, AELEM2, ...
1, 20, NO, 28, 29, 30, 22, 26, 27, 21, 23, 24, 25

*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
; 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, GHK, 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, , ,

PROJECT TITLE :

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	Author		File Name	청도천4교_하부구조(부산방향)

, 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=cLCB8, cLCB6, cLCB4, cLCB3, cLCB2, cLCB1

GRUP=column

*DPAR-RCCOL ; Design Parameter for RC Column

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

ine

: bAutoDeltans, bAutoDeltas, bShChk, bAutoBd, Rhomax, Cmy, Cmj, ; 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

20, 0, 0, YES, NO, NO, YES

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

0.15, 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

: POSITIONI = 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

: 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 = 20,

POSITIONI = 0.1, 104, D25, , 0, , , 0, ,

POSITIONI = 0.2, 98, D25, , 0, , , 0, ,

POSITIONI = 0, 0, , , 0, , , 0, ,

POSITIONI = 0, 0, , , 0, , , 0, ,

POSITIONI = 0, 0, , , 0, , , 0, ,

0, 0,

PROJECT TITLE :

	Company		Client	
	Author		File Name	청도천4교_하부구조(부산방향)

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

: ;

SECT=1, 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) ;

PROJECT TITLE :

	Company		Client	
	Author		File Name	청도천4교_하부구조(부신방향)

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

SECT=1, YES
0, 0

*ENDDATA