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: MIDAS/Civil Text(MCT) File.
: Date : 2018/2/2
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*VERSION
8.7.0

*UNIT : Unit System
: FORCE, LENGTH, HEAT, TEMPER
KN , M, KCAL, C

*REBAR-MATL-CODE : Rebar Material Code
: CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
KSCE-LSD15(RC), SD300, KSCE-LSD15(RC), SD300

*NODE : Nodes
: iNO, X, Y, Z
1, 6.032, 0, -11.4225
2, 6.032, 0, -7.0335
3, 6.032, 0, -2.4335
4, 0.977163431752228, -0.29283737323346, 0
5, 11.2171634317522, -0.29283737323346, 0
6, 0, 0, 0
7, 0.032, 0, 0
8, 0.912, 0, 0
9, 1.832, 0, 0
10, 2.832, 0, 0
11, 3.982, 0, 0
12, 4.332, 0, 0
13, 4.532, 0, 0
14, 4.732, 0, 0
15, 4.932, 0, 0
16, 5.132, 0, 0
17, 6.032, 0, 0
18, 6.932, 0, 0
19, 7.132, 0, 0
20, 7.332, 0, 0
21, 7.532, 0, 0
22, 7.732, 0, 0
23, 8.082, 0, 0
24, 9.232, 0, 0
25, 10.232, 0, 0
26, 11.152, 0, 0
27, 12.032, 0, 0
28, 12.064, 0, 0
29, 0.854336411380975, 0.294406030080187, 0
30, 11.094336411381, 0.294406030080187, 0

*ELEMENT : Elements
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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, 0, 0, 255, 166, 202, 240, 160, 160, 164, NO, 0.5
2, 0, 0, 255, 192, 192, 192, 160, 160, 164, NO, 0.5
3, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5

*SECTION : Section
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE :
1st line - TAPERED
: DB, NAME1, NAME2 : 2nd
line(STYPE=DB)
: [DIM1], [DIM2] : 2nd
line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd
line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd
line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th
line(STYPE=VALUE)
: D21, D22, D23, D24, D25, D26, D27, D28 : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd
line(STYPE=PSC)
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: 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
1, BEAM, , 2, 5, 1, 2, 0, 0
2, BEAM, , 1, 4, 2, 3, 0, 0
3, BEAM, , 1, 8, 6, 7, 0, 0
4, BEAM, , 1, 6, 7, 8, 0, 0
5, BEAM, , 1, 6, 8, 9, 0, 0
6, BEAM, , 1, 6, 9, 10, 0, 0
7, BEAM, , 1, 6, 10, 11, 0, 0
8, BEAM, , 1, 6, 11, 12, 0, 0
9, BEAM, , 1, 7, 12, 13, 0, 0
10, BEAM, , 1, 7, 13, 14, 0, 0
11, BEAM, , 1, 7, 14, 15, 0, 0
12, BEAM, , 1, 7, 15, 16, 0, 0
13, BEAM, , 1, 3, 16, 17, 0, 0
14, BEAM, , 1, 3, 18, 17, 0, 0
15, BEAM, , 1, 7, 19, 18, 0, 0
16, BEAM, , 1, 7, 20, 19, 0, 0
17, BEAM, , 1, 7, 21, 20, 0, 0
18, BEAM, , 1, 7, 22, 21, 0, 0
19, BEAM, , 1, 6, 23, 22, 0, 0
20, BEAM, , 1, 6, 24, 23, 0, 0
21, BEAM, , 1, 6, 25, 24, 0, 0
22, BEAM, , 1, 6, 26, 25, 0, 0
23, BEAM, , 1, 6, 27, 26, 0, 0
24, BEAM, , 1, 8, 28, 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, USEELAST, ELAST
: [DATA1] : 2, ELAST, POISN, THERMAL, DEN, MASS
: [DATA1] : 3, Ex, Ey, Ez, Tx, Ty, Tz, Sxy, Sxz, Syz, Pxy, Pxz, Pyz, DEN, MASS :
Orthotropic
: [DATA2] : 1, DB, NAME, CODE, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN,
MASS
1, STEEL, SWS50, , 0, 0, , C, NO, 0.02, 1, KS-Civil(S), , SWS50
, NO, 2.0594e+008
2, USER, C21, , 0, 0, , C, NO, 0, 2, 2.4834e+007, 0.167, 1.0000e-005, 16.478,
0
3, CONC, C21, , 0, 0, , C, NO, 0.05, 1, KS01-Civil(RC), KCI-2012, C21
, NO, 2.4834e+007
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: ELAST, DEN, POIS, POIC, THERMAL : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(STYPE=PSC)
: [SIZE-B]-j : 10th
line(STYPE=PSC)
: [SIZE-C]-j : 11th
line(STYPE=PSC)
: [SIZE-D]-j : 12th
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2 : 5th
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdB, DgDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th
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line(STYPE=COMP-CI/CT)
: [SIZE-B]-j : 9th
line(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, bWE, STYPE1, STYPE2 : 1st line
- CONSTRUCT
: SHAPE, ...(same with other type data from shape) : Before
(STYPE1)
: SHAPE, ...(same with other type data from shape) : After
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-SI
: Hw, tw, B, Bf1, B2, tf2 : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT] : 2nd line
: [SIZE-A] : 3rd line
: [SIZE-B] : 4th line
: [SIZE-C] : 5th line
: [SIZE-D] : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdEsb, DgdDsb, Pgd, Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line -
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESHSIZE, MESHSIZE, bUSERINPSTIFF, [STIFF] : 4th line
: bWE, [WARPING POINT]-i, [WARPING POINT]-j : 5th line
: [SIZE-A] : 6th line
: [SIZE-B] : 7th line
: [SIZE-C] : 8th line
: [SIZE-D] : 9th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
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: [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSER, HUSER, iVERT, VUSER, VUSER]
: [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
: [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 코평-단부 , CC, 0, 0, 0, 0, 0, YES, NO, B
0.9665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0,
0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 0.8, 2, NO
1, 0.8, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
2, COMPOSITE , 코평-별단면1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0,
0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 1.496, 2, NO
1, 1.496, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
3, COMPOSITE , 코평-중앙부 , CT, 0, 0, 0, 0, 0, 0, YES, NO, B
2.3665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0,
0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 1.6, 2, NO
1, 1.6, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
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1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
4, SOD , 가동 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SOD-B
YES, 0.1, 1.4, 0.1, 0.1, 1.4, 0.1, 1.765, 0.035, 0.035, 0.025, 0.025, 0, 0
2, Rib, 0, 0.15, 0.016, 0, 0, 0, 0, 0, Rib2, 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0
4, 0, 1, Top-Center, 0, 3, 3, YES, 0.35, Rib, 1, TC1, YES, 0.35, Rib, 1, TC2, YES, 0.35,
Rib, 1, TC3, 3, 1, Bottom-Center, 0, 3, 3, YES, 0.35, Rib, 0, TC4, YES, 0.35, Rib, 0, TC5, YES,
0.35, Rib, 0, TC6, 1, 0, Web-Left, 0, 2, 2, YES, 0.6, Rib2, 1, LW1, YES, 0.6, Rib2, 1, LW2, 2, 0,
Web-Right, 0, 2, 2, YES, 0.6, Rib2, 0, RW1, YES, 0.6, Rib2, 0, RW2
5, DBUSER , Con'c 가동 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2.8, 2.6, 0, 0, 0,
0, 0, 0, 0, 0
6, TAPERED , 코평1 , CT, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B, 1, 1, CMP-B
1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
1.6, 0.9665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1.6, 1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 0, 0, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0,
0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
0
0
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
7, TAPERED , 코평2 , CT, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B, 1, 3, CMP-B
1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
1.6, 1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1.6, 2.3665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1, 0, 0, 0, 3, 3
1, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0
0
0
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
8, DBUSER , 코평-단부마감 , CT, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 1, 1.6, 0, 0, 0, 0,
0, 0, 0, 0
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*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
6, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
7, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
8, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*COMP-GEN-SECT-PSC-DESIGN : Composite Section for PSC Design
: SECT, bCompPSC, (Z1, Z2, Z3, t1, t2, t3, TotT)-I, (Z1, Z2, Z3, t1, t2, t3, TotT)-J
1, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
2, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
3, NO, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0
*DGN-SECT
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, [DATA1], [DATA2] : 1st
line - DB/USER
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, BLT, D1, ..., D8, iCEL : 1st
line - VALUE
: AREA, ASy, ASz, lxx, lyy, lzz : 2nd line
: CyP, CyM, CzP, CzM, QyB, QzB, PERI_OUT, PERI_IN, Cy, Cz : 3rd
line
: Y1, Y2, Y3, Y4, Z1, Z2, Z3, Z4, Zyy, Zzz : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, ELAST, DEN, POIS, POIC, SF, THERMAL :
1st line - SRC
: D1, D2, [SRC] : 2nd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 1, DB, NAME1, NAME2, D1, D2 :
1st line - COMBINED
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE, 2, D11, D12, D13, D14, D15, D21, D22,
D23, D24
: iSEC, TYPE, SNAME, [OFFSET2], bSD, bWE, SHAPE, iyVAR, izVAR, STYPE :
1st line - TAPERED
: DB, NAME1, NAME2 : 2nd
line(STYPE=DB)
: [DIM1], [DIM2] : 2nd
line(STYPE=USER)
: D11, D12, D13, D14, D15, D16, D17, D18 : 2nd
line(STYPE=VALUE)
: AREA1, ASy1, ASz1, lxx1, lyy1, lzz1 : 3rd
line(STYPE=VALUE)
: CyP1, CyM1, CzP1, CzM1, QyB1, QzB1, PERI_OUT1, PERI_IN1, Cy1, Cz1 : 4th
line(STYPE=VALUE)
: Y11, Y12, Y13, Y14, Z11, Z12, Z13, Z14, Zyy1, Zyy2 : 5th
line(STYPE=VALUE)
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: D21, D22, D23, D24, D25, D26, D27, D28 : 6th
line(STYPE=VALUE)
: AREA2, ASy2, ASz2, lxx2, lyy2, lzz2 : 7th
line(STYPE=VALUE)
: CyP2, CyM2, CzP2, CzM2, QyB2, QzB2, PERI_OUT2, PERI_IN2, Cy2, Cz2 : 8th
line(STYPE=VALUE)
: Y21, Y22, Y23, Y24, Z21, Z22, Z23, Z24, Zyy2, Zzz2 : 9th
line(STYPE=VALUE)
: OPT1, OPT2, [JOINT] : 2nd
line(STYPE=PSC)
: ELAST, DEN, POIS, POIC, THERMAL : 2nd
line(STYPE=PSC-CMPW)
: bSHEARCHK, [SCHK-I], [SCHK-J], [WT-I], [WT-J], WI, WJ, bSYM, bSIDEHOLE : 3rd
line(STYPE=PSC)
: bSHEARCHK, bSYM, bHUNCH, [CMPWEB-I], [CMPWEB-J] : 3rd
line(STYPE=PSC-CMPW)
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF-I], [STIFF-J] : 4th
line(STYPE=PSC)
: [SIZE-A]-i : 5th
line(STYPE=PSC)
: [SIZE-B]-i : 6th
line(STYPE=PSC)
: [SIZE-C]-i : 7th
line(STYPE=PSC)
: [SIZE-D]-i : 8th
line(STYPE=PSC)
: [SIZE-A]-j : 9th
line(STYPE=PSC)
: [SIZE-B]-j : 10th
line(STYPE=PSC)
: [SIZE-C]-j : 11th
line(STYPE=PSC)
: [SIZE-D]-j : 12th
line(STYPE=PSC)
: GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMULTI, EsEc-L, EsEc-S : 2nd
line(STYPE=CMP-B/I)
: SW_i, Hw_i, tw_i, B_i, Bf1_i, tf1_i, B2_i, Bf2_i, tf2_i : 3rd
line(STYPE=CMP-B/I)
: SW_j, Hw_j, tw_j, B_j, Bf1_j, tf1_j, B2_j, Bf2_j, tf2_j : 4th
line(STYPE=CMP-B/I)
: N1, N2, Hr, Hr2, tr1, tr2 : 5th
line(STYPE=CMP-B)
: GN, CTC, Bc, Tc, Hh, EgdB, DgdDsb, Pgd, Psb, bSYM, SW_i, SW_j : 2nd
line(STYPE=CMP-CI/CT)
: OPT1, OPT2, [JOINT] : 3rd
```

```
line(STYPE=CMP-CI/CT)
: [SIZE-A]-i : 4th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-i : 5th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-i : 6th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-i : 7th
line(STYPE=CMP-CI/CT)
: [SIZE-A]-j : 8th
line(STYPE=CMP-CI/CT)
: [SIZE-B]-j : 9th
line(STYPE=CMP-CI/CT)
: [SIZE-C]-j : 10th
line(STYPE=CMP-CI/CT)
: [SIZE-D]-j : 11th
line(STYPE=CMP-CI/CT)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, STYPE1, STYPE2 : 1st line
- CONSTRUCT
: SHAPE, ...(same with other type data from shape) : Before
(STYPE1)
: SHAPE, ...(same with other type data from shape) : After
(STYPE2)
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line
COMPOSITE-SB
: Hw, tw, B, Bf1, tf1, B2, Bf2, tf2 : 2nd line
: N1, N2, Hr, Hr2, tr1, tr2 : 3rd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 4th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line
COMPOSITE-SI
: Hw, tw, B, tf1, B2, tf2 : 2nd line
: SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, bMulti, Elong, Esh : 3rd line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line
COMPOSITE-CI/CT
: OPT1, OPT2, [JOINT] : 2nd line
: [SIZE-A] : 3rd line
: [SIZE-B] : 4th line
: [SIZE-C] : 5th line
: [SIZE-D] : 6th line
: SW, GN, CTC, Bc, Tc, Hh, EgdB, DgdDsb, Pgd, Psb : 7th line
: iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE : 1st line
PSC
: OPT1, OPT2, [JOINT] : 2nd line
: bSHEARCHK, [SCHK], [WT], WIDTH, bSYM, bSIDEHOLE : 3rd line
: bUSERDEFMESH SIZE, MESH SIZE, bUSERINPSTIFF, [STIFF] : 4th line
```

```
: bWE, [WARPING POINT]-i, [WARPING POINT]-j : 5th line
: [SIZE-A] : 6th line
: [SIZE-B] : 7th line
: [SIZE-C] : 8th line
: [SIZE-D] : 9th line
: [DATA1] : 1, DB, NAME or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10
: [DATA2] : CCSHAPE or iCEL or iN1, iN2
: [SRC] : 1, DB, NAME1, NAME2 or 2, D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, iN1, iN2
: [DIM1], [DIM2] : D1, D2, D3, D4, D5, D6, D7, D8
: [OFFSET] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER
: [OFFSET2] : OFFSET, iCENT, iREF, iHORZ, HUSER, iVERT, VUSER, VUSER
: [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
: [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1. COMPOSITE , 코핑-단부 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
0.9665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 0.8, 2, NO
1, 0.8, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
2. COMPOSITE , 코핑-변단면1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 1.496, 2, NO
1, 1.496, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
```

```
1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
3. COMPOSITE , 코핑-중앙부 , CT, 0, 0, 0, 0, 0, 0, YES, NO, B
2.3665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 1, 1, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
1, 1.6, 2, NO
1, 1.6, 2, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
1.6, 1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
4. SOD , 가동 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SOD-B
YES, 0.1, 1.4, 0.1, 0.1, 1.4, 0.1, 1.765, 0.035, 0.035, 0.025, 0.025, 0, 0
2, Rib, 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, Rib2, 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0
4, 0, 1, Top-Center, 0, 3, 3, YES, 0.35, Rib, 1, TC1, YES, 0.35, Rib, 1, TC2, YES, 0.35, Rib, 1, TC3, 3, 1, Bottom-Center, 0, 3, 3, YES, 0.35, Rib, 0, TC4, YES, 0.35, Rib, 0, TC5, YES, 0.35, Rib, 0, TC6, 1, 0, Web-Left, 0, 2, 2, YES, 0.6, Rib2, 1, LW1, YES, 0.6, Rib2, 1, LW2, 2, 0, Web-Right, 0, 2, 2, YES, 0.6, Rib2, 0, RW1, YES, 0.6, Rib2, 0, RW2
5. DBUSER , Con'c 가동 , CC, 0, 0, 0, 0, 0, 0, YES, NO, SB , 2, 2.8, 2.6, 0, 0, 0, 0, 0, 0, 0
6. TAPERED , 코핑1 , CT, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B, 1, 1, CMP-B
1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
1.6, 0.9665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1.6, 1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
3, 0, 0, 0, 3, 3
3, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, Rib(t=12mm), 0, 0.15, 0.012, 0, 0, 0, 0, 0, 0, Rib(t=10mm), 0, 0.15, 0.01, 0, 0, 0, 0, 0, 0
0
0
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
3, 0.35, 0, NO, 0.35, 0, NO, 0.35, 0, NO
0, 0, 0, 0, 0, 0
0
0
0
0
0
0
7. TAPERED , 코핑2 , CT, 0, 0, 0, 0, 0, 0, 0, 0, YES, NO, CP_B, 1, 3, CMP-B
1, 1.6, 1.6, 0.001, 0, 8.29265, 0, 0.3, 0.18, 1.2, NO, ,
1.6, 1.8665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1.6, 2.3665, 0.016, 1.4, 0.1, 0.032, 1.4, 0.1, 0.035
1, 0, 0, 0, 3, 3
1, Rib(t=16mm), 0, 0.15, 0.016, 0, 0, 0, 0, 0, 0, 0
0
0
```



```
: [ADDITIONAL]          : bADDITIONAL,  ADDITIONAL_I-END,  ADDITIONAL_J-END,
bADDITIONAL_J-END
1. BEAM   , UNILoad, GX, NO , NO, aDir[1], . . . , 0, -2.805, 1, -2.805, 0, 0, 0, 0, , NO, 0,
0, NO,
2. BEAM   , UNILoad, GX, NO , NO, aDir[1], . . . , 0, -2.805, 1, -2.805, 0, 0, 0, 0, , NO, 0,
0, NO,
24. BEAM   , CONLoad, GX, NO , NO, aDir[1], . . . , 1, -5.76, 0, 0, 0, 0, 0, 0, , NO, 0, 0,
NO,
: End of data for load case [Wind on Live(교축직각)] -----
*USE-STLD, Wind(교축)
*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
1. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 5.61, 1, 5.61, 0, 0, 0, 0, , NO, 0, 0,
NO,
2. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 5.61, 1, 5.61, 0, 0, 0, 0, , NO, 0, 0,
NO,
3. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3, 1, 3.02619, 0, 0, 0, 0, , NO, 0, 0,
NO,
4. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3.02619, 1, 3.74638, 0, 0, 0, 0, , NO,
0, 0, NO,
5. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3.74638, 1, 4.4993, 0, 0, 0, 0, , NO,
0, 0, NO,
6. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 4.4993, 1, 5.31769, 0, 0, 0, 0, , NO,
0, 0, NO,
7. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 5.31769, 1, 6.25885, 0, 0, 0, 0, , NO,
0, 0, NO,
8. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.25885, 1, 6.54528, 0, 0, 0, 0, , NO,
0, 0, NO,
9. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.54528, 1, 6.70896, 0, 0, 0, 0, , NO,
0, 0, NO,
10. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.70896, 1, 6.87264, 0, 0, 0, 0, , NO,
0, 0, NO,
11. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.87264, 1, 7.03632, 0, 0, 0, 0, , NO,
0, 0, NO,
12. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 7.03632, 1, 7.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
13. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 7.2, 1, 7.2, 0, 0, 0, 0, , NO, 0, 0, NO,
15. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 7.03632, 1, 7.2, 0, 0, 0, 0, , NO, 0, 0,
NO,
16. LINE  , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.87264, 1, 7.03632, 0, 0, 0, 0, , NO,
```

```
1, 10,
2, 10,
3, 10,
4, 10,
5, 10,
6, 10,
7, 10,
8, 10,
9, 10,
10, 10,
11, 10,
12, 10,
13, 10,
15, 10,
16, 10,
17, 10,
18, 10,
19, 10,
20, 10,
21, 10,
22, 10,
23, 10,
24, 10,
: End of data for load case [Temp] -----
*LOADCOMB      : Combinations
: NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE   : line 1
: ANAL1, LCNAME1, FACT1, ...                                     : from line 2
NAME=Temp, GEN, ACTIVE, 0, 1, , 0, 0
ST, Temperature(+), 1, ST, Temperature(-), 1, ST, Temp, 1
NAME=01 Dead, GEN, ACTIVE, 0, 0, , 0, 0
ST, 자중, 1, ST, Dead, 1
NAME=02 Live, GEN, ACTIVE, 0, 0, , 0, 0
ST, Live, 1
NAME=03 Temp, GEN, ACTIVE, 0, 0, , 0, 0
CB, Temp, 1
NAME=04 S&B, GEN, ACTIVE, 0, 0, , 0, 0
ST, Start&braking, 1
NAME=05 Wind, GEN, ACTIVE, 0, 1, , 0, 0
ST, Wind on Live(교축직각), 1, ST, Wind(교축), 1
NAME=Ser, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1, CB, 02 Live, 1
NAME=LC1, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1, CB, 02 Live, 1
NAME=LC2, GEN, ACTIVE, 0, 0, , 0, 0
CB, LC1, 1, CB, 03 Temp, 1
```

```
0, 0, NO,
17. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.70896, 1, 6.87264, 0, 0, 0, 0, , NO,
0, 0, NO,
18. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.54528, 1, 6.70896, 0, 0, 0, 0, , NO,
0, 0, NO,
19. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 6.25885, 1, 6.54528, 0, 0, 0, 0, , NO,
0, 0, NO,
20. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 5.31769, 1, 6.25885, 0, 0, 0, 0, , NO,
0, 0, NO,
21. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 4.4993, 1, 5.31769, 0, 0, 0, 0, , NO,
0, 0, NO,
22. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3.74638, 1, 4.4993, 0, 0, 0, 0, , NO,
0, 0, NO,
23. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3.02619, 1, 3.74638, 0, 0, 0, 0, , NO,
0, 0, NO,
24. LINE   , UNILoad, GY, NO , NO, aDir[1], . . . , 0, 3, 1, 3.02619, 0, 0, 0, 0, , NO, 0, 0,
NO,
: End of data for load case [Wind(교축)] -----
*USE-STLD, Start&braking
*CONLOAD      : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
4, 0, 17.974, 5.831, 0, 0, 0,
5, 0, -16.67, 5.937, 0, 0, 0,
29, 662.307, -154.613, -5.831, 0, 0, 0,
30, 620.315, 153.309, -5.937, 0, 0, 0,
: End of data for load case [Start&braking] -----
*USE-STLD, Temperature(+)
*CONLOAD      : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
4, 0, 147.864, -0.322, 0, 0, 0,
5, 0, -142.434, 0.341, 0, 0, 0,
29, 54.442, 436.211, 0.322, 0, 0, 0,
30, -54.442, -441.64, -0.341, 0, 0, 0,
: End of data for load case [Temperature(+)] -----
*USE-STLD, Temperature(-)
*CONLOAD      : Nodal Loads
: NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
4, 0, -59.145, 0.129, 0, 0, 0,
5, 0, 56.974, -0.136, 0, 0, 0,
29, -21.777, -174.484, -0.129, 0, 0, 0,
30, 21.777, 176.656, 0.136, 0, 0, 0,
: End of data for load case [Temperature(-)] -----
*USE-STLD, Temp
*ELTEMPER     : Element Temperatures
: ELEM_LIST, TEMPER, GROUP
```

```
NAME=LC3, GEN, ACTIVE, 0, 0, , 0, 0
CB, LC1, 1, CB, 04 S&B, 1
NAME=LC4, GEN, ACTIVE, 0, 0, , 0, 0
CB, LC1, 1, CB, 05 Wind, 1
NAME=LC5, GEN, ACTIVE, 0, 0, , 0, 0
CB, LC1, 1, CB, 05 Wind, 1, CB, 04 S&B, 1
NAME=cLCB1, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1.35, CB, 02 Live, 1.85
NAME=cLCB2, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1.6, CB, 02 Live, 1.6
NAME=cLCB3, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1.35, CB, 02 Live, 1.4
NAME=cLCB4, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1.35, ST, Wind(교축직각), 1.3, ST, Wind(교축), 1.3
NAME=cLCB5, GEN, ACTIVE, 0, 0, , 0, 0
CB, 01 Dead, 1.35, CB, 02 Live, 1.4, ST, Wind(교축직각), 0.675
ST, Wind(교축), 0.675, ST, Wind on Live(교축직각), 1.35
ST, Start&braking, 1.4
NAME=cLCB, GEN, ACTIVE, 0, 1, , 0, 0
CB, cLCB1, 1, CB, cLCB2, 1, CB, cLCB3, 1, CB, cLCB4, 1, CB, cLCB5, 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, Dead, 255, 128, 0, 93, 255, 87, 93, 255, 87
ST, Live, 255, 0, 192, 192, 192, 0, 0, 128, 192
ST, Wind(교축직각), 212, 160, 255, 255, 192, 160, 160, 255, 255
ST, Start&braking, 255, 255, 255, 192, 192, 0, 255, 87, 128
ST, Temperature(+), 255, 192, 87, 0, 128, 192, 0, 128, 192
ST, Wind on Live(교축직각), 255, 87, 128, 210, 210, 210, 255, 160, 255
ST, Temperature(-), 85, 192, 0, 146, 0, 255, 0, 128, 128
ST, Wind(교축), 0, 128, 128, 255, 0, 192, 128, 192, 0
ST, 자중, 192, 0, 192, 255, 255, 87, 255, 192, 160
ST, Temp, 146, 0, 255, 0, 128, 57, 255, 0, 128
CB, Temp, 78, 0, 255, 85, 192, 0, 0, 192, 128
CB, 01 Dead, 255, 0, 128, 255, 87, 87, 255, 255, 87
CB, 02 Live, 85, 0, 192, 78, 0, 255, 78, 0, 255
CB, 03 Temp, 255, 0, 192, 192, 72, 0, 255, 128, 0
CB, 04 S&B, 0, 192, 192, 255, 255, 255, 0, 128, 57
CB, 05 Wind, 192, 192, 0, 0, 128, 57, 192, 128, 0
CB, Ser, 192, 192, 192, 255, 0, 128, 78, 0, 255
CB, LC1, 255, 128, 0, 192, 192, 192, 160, 192, 255
CB, LC2, 163, 255, 160, 160, 255, 255, 85, 192, 0
CB, LC3, 255, 87, 128, 160, 255, 255, 0, 128, 57
CB, LC4, 210, 210, 210, 0, 128, 57, 255, 87, 128
CB, LC5, 255, 192, 160, 0, 128, 192, 255, 0, 192
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CB, cLCB1, 160, 192, 255, 0, 128, 128, 255, 87, 87
CB, cLCB2, 146, 0, 255, 163, 160, 255, 85, 192, 0
CB, cLCB3, 93, 255, 87, 0, 128, 128, 0, 192, 128
CB, cLCB4, 192, 192, 192, 160, 192, 255, 0, 128, 128
CB, cLCB5, 0, 128, 192, 0, 128, 128, 0, 192, 192
CB, cLCB, 93, 255, 87, 78, 0, 255, 255, 192, 160
*DGN-MATL      : Modify Steel(Concrete) Material
: iMAT, TYPE, MNAME, [DATA1]                : STEEL
: iMAT, TYPE, MNAME, [DATA2], [R-DATA], FCI, bSERV, SHORT, LONG : CONC
: iMAT, TYPE, MNAME, [DATA3], [DATA2], [R-DATA]      : SRC
: iMAT, TYPE, MNAME, [DATA5]                    : STEEL(None) &
KSCE-ASD05
: [DATA1] : 1, DB, CODE, NAME or 2, ELAST, POISN, FU, FY1, FY2, FY3, FY4
:          FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
: [DATA2] : 1, DB, CODE, NAME or 2, FC, CHK, LAMBDA
: [DATA3] : 1, DB, CODE, NAME or 2, ELAST, FU, FY1, FY2, FY3, FY4
:          FY5, FY6, AFT, AFT2, AFT3, FY, AFV, AFV2, AFV3
: [DATA4] : 1, DB, CODE, NAME or 2, FC
: [DATA5] : 3, ELAST, POISN, AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8, AL9, AL10
:          MIN1, MIN2, MIN3
: [R-DATA]: RBCODE, RBMAIN, RBSUB, FY(R), FYS
           1, STEEL, SWS50          , 1, KS-Civil(S),          ,SWS50          , 1,
KSCE-LSD15(RC),          ,          , , , , 0, 0.NO,0.0000e+000,          0,, 0, 0.0, 0, 0.0, 0,
0.0, 0, 0.0, 0, 0.0.0000e+000,          0,, 0, 0.0, 0, 0.0, 0, 0.0, 0, 0.0, 0, 0.0.0000e+000,          0,, 0,
0.0, 0, 0.0, 0, 0.0, 0, 0.0, 0, 0.
           3, CONC , C21          , 1, KS01-Civil(RC),          ,C21          , NO, 1,
KS01-Civil(RC), SD300, SD300, , , 14700, NO, 0, 0,          ,          ,          , 0,
NO, 1, , , , 0, 0, 0
*SECTION MANAGER-GROUP & PART      : Section Manager - Group & Part
: SECT = NO, bSAME]                : line 1
:      GRPDJSIZE, GRPDJSIZE, PARTISIZE, PARTJSIZE                : line 2
: ..... :
:      LOOP UTIL (GRPDJSIZE, GRPDJSIZE)                :
:      GROUPID, GROUPNAME, GROUPTYPE                : line n
: ..... :
:      LOOP UTIL (PARTISIZE, PARTJSIZE)                :
:      PARTTYPE, GROUPID, PARTNAME, PARTSHAPE, bSTIFFENER                :
line n
:      LINESIZE, LINEINDEX[i]..... : line n
: ..... :
SECT=1, YES
0, 0, 0, 0
SECT=2, YES
0, 0, 0, 0
SECT=3, YES
```

```
0, 0, 0, 0
SECT=6, YES
0, 0, 0, 0
SECT=7, YES
0, 0, 0, 0
*SECTION MANAGER-STIFFENER      : Section Manager - Stiffener
: SECT = NO, bSAME]                : line 1
:      STFJNJSIZE, STFJNJSIZE                : line 2
: ..... :
:      LOOP UTIL (STFJNJSIZE, STFJNJSIZE)                :
:      TYPE, Z, STANDREF, POSLINE, STANDREFL, NUM, CTC                : line
n
:      STIFFTYPE, dSIZE(0 ~ 20)                : line n
:      LINESIZE, LINEINDEX[i]..... : line n
: ..... :
SECT=1, YES
0, 0
SECT=2, YES
0, 0
SECT=3, YES
0, 0
SECT=6, YES
0, 0
SECT=7, YES
0, 0
*ENDDDATA
```