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;  MIDAS/Civil Text(MCT) File.
;  Date :
;------------------------------------------------------------
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*VERSION
   8.7.5
*UNIT     ; Unit System
; FORCE, LENGTH, HEAT, TEMPER
   KN    , M, KCAL, C
*PROJINFO     ; Project Information
; PROJECT, REVISION, USER, EMAIL, ADDRESS, TEL, FAX,
CLIENT, TITLE, ENGINEER, EDATE        ; One Line per Data
; CHECK1, CDATE1, CHECK2, CDATE2, CHECK3, CDATE3,
APPROVE, ADATE, COMMENT                        ; One Line per
Data
   USER=Park HJ
   ADDRESS=111
*STRUCTYPE     ; Structure Type
; iSTYP, iMASS, iSMAS, bMASSOFFSET, bSELFWEIGHT, GRAV,
TEMPER, bALIGNBEAM, bALIGNSLAB, bROTRIGID
      0, 1, 1, NO, NO, 9.806, 0, YES, NO, NO
*REBAR-MATL-CODE     ; Rebar Material Code
; CONC_CODE, CONC_MDB, SRC_CODE, SRC_MDB
 KS01-Civil(RC), SD240, KS01-Civil(RC), SD240
*NODE     ; Nodes
; iNO, X, Y, Z
   101, 0, 3.125, 0
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   103, 8.83000000000001, 3.125, 0
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   105, 11.375, 3.125, 0
   106, 17.23, 3.125, 0
   107, 23.988, 3.125, 0
   108, 25.04, 3.125, 0
   109, 25.63, 3.125, 0
   110, 31.872, 3.125, 0
   111, 34.03, 3.125, 0
   112, 34.55, 3.125, 0
   113, 35.55, 3.125, 0
   114, 36.068, 3.125, 0
   115, 38.179, 3.125, 0
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   120, 50.867, 3.125, 0
   121, 51.63, 3.125, 0
   122, 53.545, 3.125, 0
   123, 61.351, 3.125, 0
   124, 62.03, 3.125, 0
   125, 72.83, 3.125, 0
   126, 73.463, 3.125, 0
   127, 81.019, 3.125, 0
   128, 83.23, 3.125, 0
   129, 83.947, 3.125, 0
   130, 84.947, 3.125, 0
   131, 85.514, 3.125, 0
   132, 87.825, 3.125, 0
   133, 92.43, 3.125, 0
   134, 97.035, 3.125, 0
   135, 99.346, 3.125, 0
   136, 99.913, 3.125, 0
   137, 100.913, 3.125, 0
   138, 101.63, 3.125, 0
   139, 103.841, 3.125, 0
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   141, 112.03, 3.125, 0
   142, 122.83, 3.125, 0
   143, 123.509, 3.125, 0
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   145, 133.23, 3.125, 0
   146, 133.993, 3.125, 0
   147, 134.993, 3.125, 0
   148, 135.59, 3.125, 0
   149, 137.872, 3.125, 0
   150, 142.43, 3.125, 0
   151, 147.081, 3.125, 0
   152, 149.394, 3.125, 0
   153, 149.959, 3.125, 0
   154, 150.959, 3.125, 0
   155, 151.63, 3.125, 0
   156, 153.989, 3.125, 0
   157, 160.83, 3.125, 0
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   159, 170.03, 3.125, 0
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   162, 179.23, 3.125, 0
   163, 187.43, 3.125, 0
   164, 187.87, 3.125, 0
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   207, 23.988, -3.125, 0
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   230, 84.947, -3.125, 0
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  264, 187.87, -3.125, 0
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  1002, 0.430000000000007, 2.05, -1.9
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  1010, 187.43, 2.05, -1.9
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  2002, 0.430000000000007, -4.2, -1.9
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  2004, 42.43, -4.2, -1.9
  2005, 92.43, -2.05, -1.9
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  2007, 142.43, -2.05, -1.9
  2008, 142.43, -4.2, -1.9
  2009, 187.43, -2.05, -1.9
  2010, 187.43, -4.2, -1.9
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  2012, 142.83, 3.125, 0
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; iEL, TYPE, iMAT, iPRO, iN1, iN2, ANGLE, iSUB,
  ; 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
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  104, BEAM  ,  1,  2, 104, 105,  0,  0
  105, BEAM  ,  1,  2, 105, 106,  0,  0
  106, BEAM  ,  1,  2, 106, 107,  0,  0
  107, BEAM  ,  1,  2, 107, 108,  0,  0
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  109, BEAM  ,  1,  3, 109, 110,  0,  0
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  111, BEAM  ,  1,  4, 111, 112,  0,  0
  112, BEAM  ,  1,  5, 112, 113,  0,  0
  113, BEAM  ,  1,  5, 113, 114,  0,  0
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306, BEAM  ,    1,   16,  116,  216,    0,    0
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310, BEAM  ,    1,   16,  128,  228,    0,    0
311, BEAM  ,    1,   16,  133,  233,    0,    0
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313, BEAM  ,    1,   16,  141,  241,    0,    0
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316, BEAM  ,    1,   16,  150,  250,    0,    0
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318, BEAM  ,    1,   16,  157,  257,    0,    0
319, BEAM  ,    1,   16,  159,  259,    0,    0
320, BEAM  ,    1,   16,  162,  262,    0,    0
321, BEAM  ,    1,   16,  163,  263,    0,    0
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323, BEAM  ,    1,    7, 2012,  151,    0,    0
*GROUP    ; Group
; NAME, NODE_LIST, ELEM_LIST, PLANE_TYPE
  가로보     , 102 103 106to121by5 109to157by16 124to241by39 128 133 138 142 \
        145 150 155 159 162 203 206to221by5 209 224 225 228 233 238 242 245 250 \
        255 257 259 262 263, 301to321, 0
  현장이음   , 105 107 113 119 123 126 130 136 140 143 147 153 158 160 205 207 \
        213 219 223 226 230 236 240 243 247 253 258 260, , 0
  지점부     , 102 116 133 150 163 202 216 233 250 263, 301to321by5, 0
  주형 G2   , , 201to263, 0
  주형 G1   , , 101to163 322 323, 0
  교량받침 G2, 2001to2010, , 0
  교량받침 G1, 1001to1010, , 0
  주형      , , 101to163 201to263 322 323, 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, STANDARD, CODE/PRODUCT, DB, 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, STANDARD, CODE/PRODUCT, DB, USEELAST, ELAST or 2, ELAST, POISN, THERMAL, DEN, MASS
    1, USER  , SM490                    , 0, 0, , C, NO, 0, 2,
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2.1000e+008, 0.3, 1.2000e-005, 95.299, 0
*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, 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, Ixx, Iyy, Izz ; 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, Ixx1, Iyy1, Izz1 ; 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, Ixx2, Iyy2, Izz2 ; 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)
; 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, EgdEsb, 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-B
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line

; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th 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
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [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, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 01 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.012
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
2, COMPOSITE , 02 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.014, 2.75, 0.05, 0.017
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
3, COMPOSITE , 03 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.014
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
4, COMPOSITE , 04 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES

5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
5, COMPOSITE , 05-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
6, COMPOSITE , 05-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
7, COMPOSITE , 06 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.024, 2.75, 0.05, 0.028
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
8, COMPOSITE , 07-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
9, COMPOSITE , 07-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
10, COMPOSITE , 08 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
11, COMPOSITE , 09 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.015
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
12, COMPOSITE , 10 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
13, COMPOSITE , 11-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES

5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
14, COMPOSITE , 11-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
15, COMPOSITE , 12 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.02, 2.75, 0.05, 0.024
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
16, DBUSER , cross , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1, 0.4, 0.01, 0.012, 0.4, 0.012, 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
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
9, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
10, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
11, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
12, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
13, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
14, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
15, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
16, 255, 0, 0, 0, 255, 0, 0, 0, 255, NO, 0.5
*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, Ixx, Iyy, Izz ; 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, Ixx1, Iyy1, Izz1 ; 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, Ixx2, Iyy2, Izz2 ; 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)
; 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, EgdEsb, 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-B
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~4) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-I
; Hw, tw, B1, tf1, B2, tf2 ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~2) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th line
; iSEC, TYPE, SNAME, [OFFSET], bSD, bWE, SHAPE ; 1st line - COMPOSITE-TUB
; Hw, tw, B1, Bf1, tf1, B2, Bf2, tf2, Bf3, tfp ; 2nd line
; [SHAPE-NUM], [STIFF-SHAPE], [STIFF-POS] (1~3) ; 3rd line
; SW, GN, CTC, Bc, Tc, Hh, EsEc, DsDc, Ps, Pc, TsTc, bMulti, Elong, Esh ; 4th 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
; [OFFSET2]: OFFSET, iCENT, iREF, iHORZ, HUSERI, HUSERJ, iVERT, VUSERI, VUSERJ
; [SHAPE-NUM]: SHAPE-NUM, POS, STIFF-NUM1, STIFF-NUM2, STIFF-NUM3, STIFF-NUM4
; [STIFF-SHAPE]: SHAPE-NUM, for(SHAPE-NUM) { NAME, SIZE1~8 }
; [STIFF-POS]: STIFF-NUM, for(STIFF-NUM) { SPACING, iSHAPE, bCALC }
; [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, Ixx, Iyy, Izz
; [SCHK] : bAUTO_Z1, Z1, bAUTO_Z3, Z3
; [WT] : bAUTO_TOR, TOR, bAUTO_SHR1, SHR1, bAUTO_SHR2, SHR2, bAUTO_SHR3, SHR3
; [CMPWEB] : EFD, LRF, A, B, H, T
; [WARPING POINT] : nWarpingCheck, X1,X2,X3,X4,X5,X6, Y1,Y2,Y3,Y4,Y5,Y6
1, COMPOSITE , 01 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.012

2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
2, COMPOSITE , 02 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.014, 2.75, 0.05, 0.017
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
3, COMPOSITE , 03 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.014
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
4, COMPOSITE , 04 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
5, COMPOSITE , 05-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
6, COMPOSITE , 05-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
7, COMPOSITE , 06 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.024, 2.75, 0.05, 0.028
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
8, COMPOSITE , 07-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
9, COMPOSITE , 07-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
10, COMPOSITE , 08 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.018, 2.75, 0.05, 0.02
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0,

0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
11, COMPOSITE , 09 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.012, 2.75, 0.05, 0.015
2, 0, 0, 0, 3, 5
2, Stiffener1, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
3, 0.6875, 0, YES, 0.6875, 0, YES, 0.6875, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
12, COMPOSITE , 10 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.01, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
13, COMPOSITE , 11-1 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 5
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.16, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
5, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES, 0.458333, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
14, COMPOSITE , 11-2 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.016, 2.75, 0.05, 0.018
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
15, COMPOSITE , 12 , CC, 0, 0, 0, 0, 0, 0, YES, NO, B
1.9, 0.013, 2.75, 0.1, 0.02, 2.75, 0.05, 0.024
2, 0, 0, 0, 5, 3
2, Stiffener1, 0, 0.3, 0.022, 0, 0, 0, 0, 0, 0, Stiffener2, 0, 0.2, 0.012, 0, 0, 0, 0, 0, 0
0
0
5, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES, 0.458333, 0, YES
3, 0.6875, 1, YES, 0.6875, 1, YES, 0.6875, 1, YES
6.25, 1, 6.25, 6.25, 0.27, 0.03, 8.35624, 0, 0.3, 0.18, 1, NO, ,
16, DBUSER , cross , CC, 0, 0, 0, 0, 0, 0, YES, NO, H , 2, 1, 0.4, 0.01, 0.012, 0.4, 0.012, 0, 0, 0, 0
*STLDCASE ; Static Load Cases
; LCNAME, LCTYPE, DESC
자중 , USER,
1차고정하중, USER, 슬래브
2차고정하중, USER, "방호벽, 중분대"
풍하중, USER, "방호벽, 중분대"
K값단위하중, USER, "방호벽, 중분대"
*CONSTRAINT ; Supports
; NODE_LIST, CONST(Dx,Dy,Dz,Rx,Ry,Rz), GROUP
1005, 111000,
1006 2005 2006, 101000,
1001 1003 1007 1009, 011000,
1002 1004 1008 1010 2001to2004 2007to2010, 001000,
*ELASTICLINK ; Elastic Link
; iNO, iNODE1, iNODE2, LINK, ANGLE, SDx, SDy, SDz, SRx, SRy, SRz, bSHEAR, DRy, DRz, GROUP ; 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, DIR, FUNCTION, bSHEAR, DRENDI, GROUP ; MULTI LINEAR
1, 263, 2010, RIGID, 0, NO, 0.5, 0.5,
2, 263, 2009, RIGID, 0, NO, 0.5, 0.5,
3, 250, 2008, RIGID, 0, NO, 0.5, 0.5,
4, 250, 2007, RIGID, 0, NO, 0.5, 0.5,
5, 233, 2006, RIGID, 0, NO, 0.5, 0.5,
6, 233, 2005, RIGID, 0, NO, 0.5, 0.5,
7, 216, 2004, RIGID, 0, NO, 0.5, 0.5,
8, 216, 2003, RIGID, 0, NO, 0.5, 0.5,
9, 202, 2002, RIGID, 0, NO, 0.5, 0.5,
10, 202, 2001, RIGID, 0, NO, 0.5, 0.5,
11, 163, 1010, RIGID, 0, NO, 0.5, 0.5,
12, 163, 1009, RIGID, 0, NO, 0.5, 0.5,
13, 150, 1008, RIGID, 0, NO, 0.5, 0.5,
14, 150, 1007, RIGID, 0, NO, 0.5, 0.5,
15, 133, 1006, RIGID, 0, NO, 0.5, 0.5,
16, 133, 1005, RIGID, 0, NO, 0.5, 0.5,
17, 116, 1004, RIGID, 0, NO, 0.5, 0.5,
18, 116, 1003, RIGID, 0, NO, 0.5, 0.5,
19, 102, 1002, RIGID, 0, NO, 0.5, 0.5,
20, 102, 1001, RIGID, 0, NO, 0.5, 0.5,
*OFFSET ; Beam End Offsets
; ELEM_LIST, TYPE, RGDXi, RGDYi, RGDZi, RGDXj, RGDYj,

```
RGDZj, GROUP  ; TYPE=GLOBAL
;     ELEM_LIST,     TYPE,     RGDi,     RGDj,     GROUP
        ; TYPE=ELEMENT
   301, ELEMENT, 1.375, 1.375,
   302, ELEMENT, 1.375, 1.375,
   303, ELEMENT, 1.375, 1.375,
   304, ELEMENT, 1.375, 1.375,
   305, ELEMENT, 1.375, 1.375,
   306, ELEMENT, 1.375, 1.375,
   307, ELEMENT, 1.375, 1.375,
   308, ELEMENT, 1.375, 1.375,
   309, ELEMENT, 1.375, 1.375,
   310, ELEMENT, 1.375, 1.375,
   311, ELEMENT, 1.375, 1.375,
   312, ELEMENT, 1.375, 1.375,
   313, ELEMENT, 1.375, 1.375,
   314, ELEMENT, 1.375, 1.375,
   315, ELEMENT, 1.375, 1.375,
   316, ELEMENT, 1.375, 1.375,
   317, ELEMENT, 1.375, 1.375,
   318, ELEMENT, 1.375, 1.375,
   319, ELEMENT, 1.375, 1.375,
   320, ELEMENT, 1.375, 1.375,
   321, ELEMENT, 1.375, 1.375,
; *LOADTOMASS, DIR, bNODAL, bBEAM, bFLOOR, bPRES, GRAV
;     LCNAME1, FACTOR1, LCNAME2, FACTOR2, ...   ; from
line 1
*LOADTOMASS, XYZ, YES, YES, YES, YES, 9.806
   자중, 1, 1차고정하중, 1, 2차고정하중, 1
*USE-STLD, 자중
; *SELFWEIGHT, X, Y, Z, GROUP
*SELFWEIGHT, 0, 0, -1,
; End of data for load case [자중] -------------------------
*USE-STLD, 1차고정하중
*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
   101, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.691, 1, -45.691, 0, 0, 0, 0, , NO, 0, 0, NO,
   101, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
-5.697, 1, -5.697, 0, 0, 0, 0, , NO, 0, 0, NO,
   102, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
-5.697, 1, -5.697, 0, 0, 0, 0, , NO, 0, 0, NO,
   102, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
-45.691, 1, -45.691, 0, 0, 0, 0, , NO, 0, 0, NO,
   103, BEAM    , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,
-5.697, 1, -5.697, 0, 0, 0, 0, , NO, 0, 0, NO,
   103, BEAM    , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,
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209, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0,

-45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -0.947, 1, -0.947, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.287, 1, -45.287, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.691, 1, -45.691, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -5.697, 1, -5.697, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNILOAD, GZ, NO , NO, aDir[1], , , , 0, -45.691, 1, -45.691, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -5.697, 1, -5.697, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [1차고정하중]
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*USE-STLD, 2차고정하중
*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
101, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
102, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
103, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
104, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
105, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
106, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
107, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
108, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
109, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
110, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
111, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
112, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
113, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
114, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
115, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
116, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
117, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
118, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
119, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
120, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
121, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
122, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,

NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
123, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
124, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
125, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
126, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
127, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
128, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
129, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
130, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
131, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
132, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
133, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
134, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
135, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
136, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
137, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
138, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
139, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
140, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
141, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
142, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
143, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
144, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
145, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
146, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
147, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
148, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
149, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
150, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
151, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
152, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
153, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
154, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
155, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
156, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
157, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
158, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
159, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
160, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
161, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
162, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
163, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851,
NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
201, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
211, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,
-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
220, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199,

-1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
250, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
251, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
252, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
253, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
254, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
255, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
256, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
260, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
261, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNILOAD, GZ, NO , YES, 0, GY, -1.199, -1.199, NO, 0, -17.713, 1, -17.713, 0, 0, 0, 0, , NO, 0, 0, NO,
322, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
323, BEAM , UNILOAD, GZ, NO , YES, 0, GY, 0.851, 0.851, NO, 0, -15.979, 1, -15.979, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [2차고정하중]
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*USE-STLD, 풍하중
*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
201, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
201, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
202, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
203, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
204, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
205, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,

-57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
206, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
207, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
208, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
209, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
210, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
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211, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
212, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
213, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
214, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
215, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
216, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
217, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
218, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
219, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
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220, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
221, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
222, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
223, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
224, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
225, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
226, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
227, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
228, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
229, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
230, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
231, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
232, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
233, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
234, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
235, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0,

-57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
236, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
237, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
238, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
239, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
240, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
241, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
242, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
243, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
244, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
245, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
246, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
247, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
248, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
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249, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
249, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
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256, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
257, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
258, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
259, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
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260, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
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261, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
262, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNIMOMENT, GX, NO , NO, aDir[1], , , , 0, -57.238, 1, -57.238, 0, 0, 0, 0, , NO, 0, 0, NO,
263, BEAM , UNILOAD, GY, NO , NO, aDir[1], , , , 0, 24.1, 1, 24.1, 0, 0, 0, 0, , NO, 0, 0, NO,
; End of data for load case [풍하중] ----------
*USE-STLD, K값단위하중
*CONLOAD ; Nodal Loads
; NODE_LIST, FX, FY, FZ, MX, MY, MZ, GROUP
101, 0, 0, 0, 0, 1, 0,
164, 0, 0, 0, 0, -1, 0,
201, 0, 0, 0, 0, 1, 0,
264, 0, 0, 0, 0, -1, 0,
; End of data for load case [K값단위하중] ----------
*MVLDCODE ; Moving Load Code

```
; CODE=CODE
   CODE=KOREA
*LINELANE     ; Traffic Line Lanes
; NAME=NAME, LDIST, GROUP, SKEWS, SKEWE, MOVING, LW,
WS, bLANEOPT, ALLOWWIDTH  ; line 1
;                iELEM1,   ECC1,   FACT1,   bSPAN1,   ECCVL...
                  ; from line 2
   NAME=L1, LANE, , 0, 0, BOTH, 3, 1.8, NO, 0
         101, -1.3, 0.182, YES, 0,   102, -1.3, 0.182, NO, 0
         103, -1.3, 0.182, NO, 0,   104, -1.3, 0.182, NO, 0
         105, -1.3, 0.182, NO, 0,   106, -1.3, 0.182, NO, 0
         107, -1.3, 0.182, NO, 0,   108, -1.3, 0.182, NO, 0
         109, -1.3, 0.182, NO, 0,   110, -1.3, 0.182, NO, 0
         111, -1.3, 0.182, NO, 0,   112, -1.3, 0.182, NO, 0
         113, -1.3, 0.182, NO, 0,   114, -1.3, 0.182, NO, 0
         115, -1.3, 0.182, NO, 0,   116, -1.3, 0.167, YES, 0
         117, -1.3, 0.167, NO, 0,   118, -1.3, 0.167, NO, 0
         119, -1.3, 0.167, NO, 0,   120, -1.3, 0.167, NO, 0
         121, -1.3, 0.167, NO, 0,   122, -1.3, 0.167, NO, 0
         123, -1.3, 0.167, NO, 0,   124, -1.3, 0.167, NO, 0
         125, -1.3, 0.167, NO, 0,   126, -1.3, 0.167, NO, 0
         127, -1.3, 0.167, NO, 0,   128, -1.3, 0.167, NO, 0
         129, -1.3, 0.167, NO, 0,   130, -1.3, 0.167, NO, 0
         131, -1.3, 0.167, NO, 0,   132, -1.3, 0.167, YES, 0
         133, -1.3, 0.167, NO, 0,   134, -1.3, 0.167, NO, 0
         135, -1.3, 0.167, NO, 0,   136, -1.3, 0.167, NO, 0
         137, -1.3, 0.167, NO, 0,   138, -1.3, 0.167, NO, 0
         139, -1.3, 0.167, NO, 0,   140, -1.3, 0.167, NO, 0
         141, -1.3, 0.167, NO, 0,   142, -1.3, 0.167, NO, 0
         143, -1.3, 0.167, NO, 0,   144, -1.3, 0.167, NO, 0
         145, -1.3, 0.167, NO, 0,   146, -1.3, 0.167, NO, 0
         147, -1.3, 0.167, NO, 0,   148, -1.3, 0.167, NO, 0
         149, -1.3, 0.175, YES, 0,   322, -1.3, 0.175, NO, 0
         150, -1.3, 0.175, NO, 0,   323, -1.3, 0.175, NO, 0
         151, -1.3, 0.175, NO, 0,   152, -1.3, 0.175, NO, 0
         153, -1.3, 0.175, NO, 0,   154, -1.3, 0.175, NO, 0
         155, -1.3, 0.175, NO, 0,   156, -1.3, 0.175, NO, 0
         157, -1.3, 0.175, NO, 0,   158, -1.3, 0.175, NO, 0
         159, -1.3, 0.175, NO, 0,   160, -1.3, 0.175, NO, 0
         161, -1.3, 0.175, NO, 0,   162, -1.3, 0.175, NO, 0
         163, -1.3, 0.175, NO, 0
   NAME=L2, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
         101, 1.7, 0.182, YES, 0,   102, 1.7, 0.182, NO, 0
         103, 1.7, 0.182, NO, 0,   104, 1.7, 0.182, NO, 0
         105, 1.7, 0.182, NO, 0,   106, 1.7, 0.182, NO, 0
         107, 1.7, 0.182, NO, 0,   108, 1.7, 0.182, NO, 0
         109, 1.7, 0.182, NO, 0,   110, 1.7, 0.182, NO, 0
         111, 1.7, 0.182, NO, 0,   112, 1.7, 0.182, NO, 0
         113, 1.7, 0.182, NO, 0,   114, 1.7, 0.182, NO, 0
         115, 1.7, 0.182, NO, 0,   116, 1.7, 0.167, YES, 0
         117, 1.7, 0.167, NO, 0,   118, 1.7, 0.167, NO, 0
         119, 1.7, 0.167, NO, 0,   120, 1.7, 0.167, NO, 0
         121, 1.7, 0.167, NO, 0,   122, 1.7, 0.167, NO, 0
         123, 1.7, 0.167, NO, 0,   124, 1.7, 0.167, NO, 0
         125, 1.7, 0.167, NO, 0,   126, 1.7, 0.167, NO, 0
         127, 1.7, 0.167, NO, 0,   128, 1.7, 0.167, NO, 0
         129, 1.7, 0.167, NO, 0,   130, 1.7, 0.167, NO, 0
         131, 1.7, 0.167, NO, 0,   132, 1.7, 0.167, YES, 0
         133, 1.7, 0.167, NO, 0,   134, 1.7, 0.167, NO, 0
         135, 1.7, 0.167, NO, 0,   136, 1.7, 0.167, NO, 0
         137, 1.7, 0.167, NO, 0,   138, 1.7, 0.167, NO, 0
         139, 1.7, 0.167, NO, 0,   140, 1.7, 0.167, NO, 0
         141, 1.7, 0.167, NO, 0,   142, 1.7, 0.167, NO, 0
         143, 1.7, 0.167, NO, 0,   144, 1.7, 0.167, NO, 0
         145, 1.7, 0.167, NO, 0,   146, 1.7, 0.167, NO, 0
         147, 1.7, 0.167, NO, 0,   148, 1.7, 0.167, NO, 0
         149, 1.7, 0.175, YES, 0,   322, 1.7, 0.175, NO, 0
         150, 1.7, 0.175, NO, 0,   323, 1.7, 0.175, NO, 0
         151, 1.7, 0.175, NO, 0,   152, 1.7, 0.175, NO, 0
         153, 1.7, 0.175, NO, 0,   154, 1.7, 0.175, NO, 0
         155, 1.7, 0.175, NO, 0,   156, 1.7, 0.175, NO, 0
         157, 1.7, 0.175, NO, 0,   158, 1.7, 0.175, NO, 0
         159, 1.7, 0.175, NO, 0,   160, 1.7, 0.175, NO, 0
         161, 1.7, 0.175, NO, 0,   162, 1.7, 0.175, NO, 0
         163, 1.7, 0.175, NO, 0
   NAME=L3, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
         201, -1.55, 0.182, YES, 0,   202, -1.55, 0.182, NO, 0
         203, -1.55, 0.182, NO, 0,   204, -1.55, 0.182, NO, 0
         205, -1.55, 0.182, NO, 0,   206, -1.55, 0.182, NO, 0
         207, -1.55, 0.182, NO, 0,   208, -1.55, 0.182, NO, 0
         209, -1.55, 0.182, NO, 0,   210, -1.55, 0.182, NO, 0
         211, -1.55, 0.182, NO, 0,   212, -1.55, 0.182, NO, 0
         213, -1.55, 0.182, NO, 0,   214, -1.55, 0.182, NO, 0
         215, -1.55, 0.182, NO, 0,   216, -1.55, 0.167, YES, 0
         217, -1.55, 0.167, NO, 0,   218, -1.55, 0.167, NO, 0
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         227, -1.55, 0.167, NO, 0,   228, -1.55, 0.167, NO, 0
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         231, -1.55, 0.167, NO, 0,   232, -1.55, 0.167, YES, 0
         233, -1.55, 0.167, NO, 0,   234, -1.55, 0.167, NO, 0
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         237, -1.55, 0.167, NO, 0,   238, -1.55, 0.167, NO, 0
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         243, -1.55, 0.167, NO, 0,   244, -1.55, 0.167, NO, 0
         245, -1.55, 0.167, NO, 0,   246, -1.55, 0.167, NO, 0
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         249, -1.55, 0.175, YES, 0,   250, -1.55, 0.175, NO, 0
         251, -1.55, 0.175, NO, 0,   252, -1.55, 0.175, NO, 0
         253, -1.55, 0.175, NO, 0,   254, -1.55, 0.175, NO, 0
         255, -1.55, 0.175, NO, 0,   256, -1.55, 0.175, NO, 0
         257, -1.55, 0.175, NO, 0,   258, -1.55, 0.175, NO, 0
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         263, -1.55, 0.175, NO, 0
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         201, 1.095, 0.182, YES, 0,   202, 1.095, 0.182, NO, 0
         203, 1.095, 0.182, NO, 0,   204, 1.095, 0.182, NO, 0
         205, 1.095, 0.182, NO, 0,   206, 1.095, 0.182, NO, 0
         207, 1.095, 0.182, NO, 0,   208, 1.095, 0.182, NO, 0
         209, 1.095, 0.182, NO, 0,   210, 1.095, 0.182, NO, 0
         211, 1.095, 0.182, NO, 0,   212, 1.095, 0.182, NO, 0
         213, 1.095, 0.182, NO, 0,   214, 1.095, 0.182, NO, 0
         215, 1.095, 0.182, NO, 0,   216, 1.095, 0.167, YES, 0
         217, 1.095, 0.167, NO, 0,   218, 1.095, 0.167, NO, 0
         219, 1.095, 0.167, NO, 0,   220, 1.095, 0.167, NO, 0
         221, 1.095, 0.167, NO, 0,   222, 1.095, 0.167, NO, 0
         223, 1.095, 0.167, NO, 0,   224, 1.095, 0.167, NO, 0
         225, 1.095, 0.167, NO, 0,   226, 1.095, 0.167, NO, 0
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235, 1.095, 0.167, NO, 0, 236, 1.095, 0.167, NO, 0
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263, 1.095, 0.175, NO, 0
NAME=R2, CROSS, 가로보, 0, 0, BOTH, 3, 1.8, NO, 0
201, -1.905, 0.182, YES, 0, 202, -1.905, 0.182, NO, 0
203, -1.905, 0.182, NO, 0, 204, -1.905, 0.182, NO, 0
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161, 1.345, 0.175, NO, 0, 162, 1.345, 0.175, NO, 0
163, 1.345, 0.175, NO, 0
*LSUPPORT ; Lane Supports - Negative Moments at Interior Piers
; iTYPE, ELEM_LIST, POSITION ; (When iTYPE=0)
; iTYPE, GRUP-NAME ; (When iTYPE=1)
0, 116 133 150 216 233 250, END-I
0, 115 132 149 215 232 249, END-J
*VEHICLE ; Vehicles
; if Moving Load Code is China
; NAME=NAME, 1, TYPE-NAME, CODE ; standard
; NAME=NAME, 2, LTYPE, [TRUCK/LANE] or [TRAIN/SUBWAY] or [CROWD] ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
; [TRUCK/LANE] : 1, P, Qm, Qq ; truck(JTG)
; [TRUCK/LANE] : 2, P, Qm, Qq ; lane load1
; [TRUCK/LANE] : 3, Qk, Pk1, L1, Pk2, L2 ; lane load2
; [TRUCK/LANE] : 4, dW, dD ; crawler type
; [TRUCK/LANE] : 5 ; GC type load
; [TRAIN/SUBWAY] : iTYPE, W1, D1, W2, D2 ; train-type1,3
; [TRAIN/SUBWAY] : iTYPE, DD, FD, BD, MAINCOUNT ; train-type2
; [TRAIN/SUBWAY] : 4, P1, D1, P2, D2, P3, D3, P4, dD, Po, n, IFR ; subway
; [CROWD] : 1, dW1 ; crowd-type1

; [CROWD] : 2, dW1, dL1, dW2, dL2, WIDTH ; crowd-type2
; if Moving Load Type is India
; NAME=NAME, 1, TYPE-NAME, CODE ; standard
; NAME=NAME, 2, bWTB, P, D, Pb, Db, dD1, dD2, NDIST ; user: line 1
; NAME=NAME, 2, bWTB, dD1, dD2, NDIST ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
; if Moving Load Code is CANADA
; NAME=NAME, 1, TYPE-NAME, DLA, CODE, [DYNA] ; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST, [DYNA] ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
; [DYNA] : nDYNA, FACT1AXLE, FACT2AXLE, FACT3AXLE ; Dynamic Load Allowance
; if Moving Load Code is BS
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM ; standard
; NAME=nLane, FACTOR1, FACTOR2, FACTOR3, FACTOR4, ADDDATA, AL, CA, LL ; HA, HA & HB, HA & HB(Auto)
; NAME=NAME, 2, iSTYPE, W1, W2, W3, L, Pa, Pb, D1, D2, d, UNITNUM ; user(BS 5400)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BS-DATA-LF] ; user(HA)
; NAME=NAME, 2, iSTYPE, [BS-DATA-HB] ; user(HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA2], [BS-DATA-HB2], [BS-DATA-LF] ; user(HA&HB)
; NAME=NAME, 2, iSTYPE, [BD37/01-HA], [BD37/01-HB], [BS-DATA-LF] ; user(HA&HB(AUTO))
; NAME=NAME, 2, iSTYPE, W, L ; user(Pedestrian)
; NAME=NAME, 2, iSTYPE, V, AN, MINS, MAXS, P1, D1, P2, D2, ... ; user(Special Vehicle)
; [BS-DATA-HA] : W1, W2, W3, EXP, EXP2, L1, L2, Pa
; [BS-DATA-HA2] : W1, W2, W3, EXP, EXP2, L1, L2
; [BS-DATA-HB] : Pb, D1, D2, d, UNITNUM
; [BS-DATA-HB2] : Pb, D1, D2, d, dd, UNITNUM
; [BS-DATA-LF] : nLT, LF1, LF2, LF3, LF4
; if Moving Load Code is EUROCODE
; NAME=NAME, 1, iTYPE, TYPE-NAME, PSY1, PSY2, PHI, [AF7] ; standard (LM1, FLM1)
; NAME=NAME, 1, iTYPE, TYPE-NAME, bDF, bU, PHI, PSY, ADJ, IN ; standard (others)
; NAME=NAME, 2, 1, [AF7] ; user(Type 1)
; [LOAD7], D, PHI, TPSY, UPSY ; user(Type 1): line 2
; NAME=NAME, 2, 2, ALP, TPSY, W, BET, LPSY, P1, D1, P2, D2, ... ; user(Type 2)
; NAME=NAME, 2, 3 ; user(Type 3)
; [LOADCASE1] ; user(Type 3): line 2
; [LOADCASE2] ; user(Type 3): line 3
; [LOADCASE3] ; user(Type 3): line 4
; NAME=NAME, 2, 4, WS, V, AN, MINS, MAXS, DYF, UI, F, P1, D1, P2, D2, ... ; user(Type 4)
; NAME=NAME, 2, 5, INT, bPHI1, PHI1, bPHI2, PHI2 ; user(Type 5)
; [VEHICLE1] ; user(Type 5): line 2
; [VEHICLE2] ; user(Type 5): line 3
; [VEHICLE3] ; user(Type 5): line 4
; [AF7] : TF1, TF2, TF3, UF1, UF2, UF3, UF4 ; adjustment factor
; [LOAD7] : TL1, TL2, TL3, UL1, UL2, UL3, UL4 ; tandem/udl loads
; [LOADCASE] : bUSE, N, bDF, bUI, PHI, P1, L1, P2, L2, ... ; load case
; [VEHICLE] : bUSE, N, P1, L1, P2, L2, ... ; vehicle
; if Moving Load Code is RUSSIA
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (SK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (SK FATIGUE)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC, dLOADFAC_UDL, s1[3], s1_UDL[3] ; standard (AK)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N14)
; NAME=NAME, 1, iTYPE, K, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC,
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; standard (N11)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; standard (SUBWAY TRAINS)
; NAME=NAME, 1, iTYPE, VARIABLE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; standard (TRAMCARS)
; NAME=NAME, 1, iTYPE, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NK-80)
; NAME=NAME, 1, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; standard (NG-60)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; standard (UNIFORM LOAD)
; NAME=NAME, 1, iTYPE, BRIDGETYPE, W, bFATI, nLOADFAC, dLOADFAC ; standard (UNIFORM LOAD(W/O OTHER LOADS))
; NAME=NAME, 1, iTYPE, BRIDGETYPE, P ; standard (CONCENTRATED LOAD (W/O OTHER LOADS))
; NAME=NAME, 2, iTYPE, W, nDYNAFAC, dDYNAFAC, dDYNAFAC_UDL
; bFATI, nLOADFAC, dLOADFAC,

dLOADFAC_UDL, s1[3], s1_UDL[3] ; user (Type 1)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; user (Type 2)
; NAME=NAME, 2, iTYPE, Variable, nDYNAFAC, dDYNAFAC, dEMPTYCAR
; bFATI, nLOADFAC, dLOADFAC, ; user (Type 3)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 4)
; NAME=NAME, 2, iTYPE, nDYNAFAC, dDYNAFAC, nLOADFAC, dLOADFAC
; bTWOVEHI, TWOVEHI_FACT, b2NDREDUC, 2NDREDUC_FACT ; user (Type 5)
; NAME=NAME, 2, iTYPE, W, D, nDYNAFAC, dDYNAFAC, bFATI, nLOADFAC, dLOADFAC ; user (Type 6)
; NAME=NAME, 2, iTYPE, P, W, bFATI, nLOADFAC, dLOADFAC ; user (Type 7)
; if Moving Load Code is KSCE-LSD15
; NAME=NAME, 1, TYPE-NAME, nLANETYPE, dDYNAFAC, CODE, nLANELOAD, L, CONVERTDIST ; standard
; NAME=NAME, 2, 8, L1, W1, W2, EXP, dDYNAFAC, nLANELOAD, L, CONVERTDIST ; user: line 1 (Type 1)
; NAME=NAME, 2, 1, W1, W2, D1, D2, 0, 0, 0, NO ; user: line 1 (Type 2)
; NAME=NAME, 2, 6, LOADNUM, DIST, W, L, 0, 0, 0, NO ; user: line 1 (Type 3)
; LOAD1, DIST1, (DIST2_1), LOAD2, DIST2, (DIST2_2), ... ; user: from line 2
; if Moving Load Code is South Africa
; NAME=NAME, 1, TYPE-NAME, CODE, bINCREL, dINCREL ; standard NA
; NAME=NAME, 1, TYPE-NAME, CODE, UNITNUM ; standard NB
; NAME=NAME, 1, TYPE-NAME, CODE, OPPOSITE ; standard NC
; NAME=NAME, 2, TYPE, W1, L, W2, W3, PA, bINCREL, dINCREL ; user NA
; NAME=NAME, 2, TYPE, PB, UNITNUM, DELTA, D1, D2 ; user NB
; NAME=NAME, 2, TYPE, P, OPPOSITE, NUM1, NUM2, NUM3 [DIST1], [DIST2], [DIST3] ; user NC
; if Load Type is Permit Truck
; NAME=NAME, 3, AXLE-TYPE-NUM, IMP-FACTOR ; user(Permit Truck)
; AXLE-TYPE-NAME1, bEDWL1, bSV1, P1, D1, P2, D2, ..., Pn, Dn ; user(from line 2)
; ...
; AXLE-TYPE-NAMEn, bEDWLn, bSVn, P1, D1, P2, D2, ..., Pn, Dn
; AXLE-TYPE1, SPACING1, bVS1, AXLE-TYPE2, SPACING2, bVS2 ... ; line 2+AXLE-TYPE-NUM
; if Moving Load Code is not one of those specified above.
; NAME=NAME, 1, TYPE-NAME, DLA, CODE ; standard
; NAME=NAME, 2, bTRAIN, W(W1), PL(D1), PLM(W2), PLV(D2), NDIST ; user: line 1
; LOAD1, DIST1, LOAD2, DIST2, ... ; user: from line 2
NAME=DB-24, 1, DB-24, 0, KS-RB
NAME=DL-24, 1, DL-24, 0, KS-RB
*MVLDCASE ; Moving Load Cases
; NAME=NAME, nLCTYPE, SCALE1, SCALE2, SCALE3, SCALE4, SCALE5, SCALE6, COMB, DESC, LCOM, SERIAL ; 1st line
; nLTYPE, 2LFACTOR1, 2LFACTOR2, 3LFACTOR1, 3LFACTOR2, 3LFACTOR3, 3LFACTOR4 ; 2st line
; TYPE1, VCLASS1, SCALE1, iMIN1, iMAX1, LANE11, LANE12, ... ; 3nd line
; ... ; ...
; TYPEn, VCLASSn, SCALEn, iMINn, iMAXn, LANEn1, LANEn2, ... ; n+1th line
; NAME=NAME, nLCTYPE, VEHICLE, REFLANE, ECCEN, SCALE, DESC ; Permit
; NAME=NAME, nLCTYPE, DESC, bOPTIM, SUBLANEW, MINSPACING, MARGIN, LANE, MINNUM, MAXNUM, SERIAL ; Traffic Lane Optimization
; TYPE1, VCLASS1, SCALE1... ; Traffic Lane Optimization 1st line
; ... ; Traffic Lane Optimization ...
; TYPEn, VCLASSn, SCALEn... ; Traffic Lane Optimization n+1th line
NAME=DB_L, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, COMBINED, , 0, 1
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, L1, L2, L3
NAME=DL_L, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, COMBINED, , 0, 2
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, L1, L2, L3
NAME=DB_R, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, COMBINED, , 0, 3
1, 1, 1, 1, 1, 0.5, 0.25
VL, DB-24, 1, 1, 3, R1, R2, R3
NAME=DL_R, 0, 1, 1, 0.9, 0.75, 0.75, 0.75, COMBINED, , 0, 4
1, 1, 1, 1, 1, 0.5, 0.25
VL, DL-24, 1, 1, 3, R1, R2, R3
*SM-GROUP ; Settlement Group
; GRNAME, DISPLACEMENT, NODE_LIST
A1, 0.01, 1001 1002 2001 2002
P1, 0.01, 1003 1004 2003 2004
P2, 0.01, 1005 1006 2005 2006
P3, 0.01, 1007 1008 2007 2008
A2, 0.01, 1009 1010 2009 2010
*SMLDCASE ; Settlement Load Cases
; NAME=NAME, iSMIN, iSMAX, SCALE, DESC ; line 1
; GRNAME1, GRNAME2, ... ; from line 2
NAME=SE, 1, 5, 1,
A1, P1, P2, P3, A2
*LOADCOMB ; Combinations
; NAME=NAME, KIND, ACTIVE, bES, iTYPE, DESC, iSERV-TYPE, nLCOMTYPE ; line 1
; ANAL1, LCNAME1, FACT1, ... ; from line 2

```
   NAME=DB-DL(Envelope), GEN, ACTIVE, 0, 1, , 0, 0
        MV, DB_L, 1, MV, DL_L, 1, MV, DB_R, 1, MV, DL_R, 1
   NAME=고정하중, GEN, ACTIVE, 0, 0, , 0, 0
        ST, 자중, 1, ST, 1차고정하중, 1, ST, 2차고정하중, 1
   NAME=1차고정하중, GEN, ACTIVE, 0, 0, , 0, 0
        ST, 자중, 1, ST, 1차고정하중, 1
   NAME=활하중+지점침하, GEN, ACTIVE, 0, 0, , 0, 0
        SM, SE, 1, CB, DB-DL(Envelope), 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, 160, 255, 0, 128, 255, 0, 192, 128
 ST, 1차고정하중, 255, 0, 128, 160, 255, 255, 0, 192, 128
 ST, 2차고정하중, 85, 192, 0, 0, 157, 192, 255, 128, 0
 ST, 풍하중, 192, 0, 192, 255, 160, 255, 192, 192, 192
 ST, K값단위하중, 192, 128, 0, 0, 128, 192, 192, 192, 0
 MV, DB_L, 255, 0, 128, 192, 0, 192, 212, 160, 255
 MV, DL_L, 192, 192, 0, 146, 0, 255, 212, 160, 255
 MV, DB_R, 255, 87, 87, 0, 128, 255, 255, 255, 255
 MV, DL_R, 255, 192, 160, 0, 128, 255, 163, 160, 255
 CB, DB-DL(Envelope), 93, 255, 87, 0, 128, 192, 255, 0, 192
 CB, 고정하중, 255, 87, 87, 93, 255, 87, 0, 192, 128
 CB, 활하중+지점침하, 85, 192, 0, 163, 255, 160, 160, 192, 255
 SM, SE, 0, 192, 128, 163, 255, 160, 255, 128, 0
 CB, 1차고정하중, 128, 192, 0, 192, 192, 0, 160, 255, 255
*EIGEN-CTRL     ; Eigenvalue Analysis Control
; TYPE, iFREQ, iITER, iDIM, TOL, bMINMAX, FRMIN, FRMAX,
bSTRUM    ; TYPE=EIGEN
;                TYPE,                bINCNL,                iGNUM
   ; TYPE=RITZ(line 1)
;                        KIND1,    CASE1/GROUND1,    iNOG1,    ...
    ; TYPE=RITZ(from line2)
   LANCZOS, 20, 20, 1, 1e-010, NO, 0, 0, NO
*LINK-KEY     ; Link Key
; iKEY, TYPE, LINK KEY
  1, ELNK, 1
  2, ELNK, 2
  3, ELNK, 3
  4, ELNK, 4
  5, ELNK, 5
  6, ELNK, 6
  7, ELNK, 7
  8, ELNK, 8
  9, ELNK, 9
  10, ELNK, 10
  11, ELNK, 11
  12, ELNK, 12
  13, ELNK, 13
  14, ELNK, 14
  15, ELNK, 15
  16, ELNK, 16
  17, ELNK, 17
  18, ELNK, 18
  19, ELNK, 19
  20, ELNK, 20
*ENDDATA
```